

# **BONANZA CREEK ENERGY**

**WELD COUNTY**

**SEC 36-T5N-R63W**

**STATE NORTH PLATTE F-36 FED 25N-20-06**

**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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	17,000.81	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	16,243.26	6,265.00	566.56	370.97	2.897	CC
ABND VERT MONAHAN FARR 1 - OWB - Design #1	16,300.00	6,265.00	569.39	369.66	2.851	ES, SF
ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB -	16,300.00	6,100.00	242.78	83.36	1.523	ES, SF
ABND VERT MONAHAN FEDERAL 24 (GYRO) - OWB -	16,305.37	6,100.00	242.72	84.07	1.530	CC
EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL	12,592.48	6,657.35	1,898.52	1,764.13	14.128	CC
EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL	12,600.00	6,661.26	1,898.52	1,764.07	14.120	ES
EXIST HZ NORTH PLATTE 24-21-24HZ - OWB - FINAL	16,800.00	10,898.00	2,078.20	1,810.24	7.756	SF
EXIST HZ NORTH PLATTE E-A-24HNA - OWB - FINAL	12,064.87	6,009.00	3,294.56	3,173.03	27.107	CC, ES
EXIST HZ NORTH PLATTE E-A-24HNA - OWB - FINAL	17,000.81	11,075.43	3,626.46	3,357.04	13.460	SF
EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL	12,200.00	4,757.00	3,457.87	3,352.80	32.910	ES
EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL	12,204.99	4,751.77	3,457.86	3,352.87	32.935	CC
EXIST HZ NORTH PLATTE E-A-24HNC - OWB - FINAL	17,000.81	11,175.53	3,795.56	3,528.44	14.209	SF
EXIST HZ NORTH PLATTE J-F-24HZ - OWB - FINAL SU	12,005.04	6,364.73	2,609.60	2,484.58	20.874	CC, ES
EXIST HZ NORTH PLATTE J-F-24HZ - OWB - FINAL SU	17,000.81	11,181.82	2,852.37	2,585.71	10.696	SF
EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL S	12,132.07	6,377.00	1,096.48	970.50	8.703	CC, ES
EXIST HZ NORTH PLATTE O-K-24HC - OWB - FINAL S	15,900.00	10,198.02	1,217.57	986.99	5.281	SF
EXIST HZ NORTH PLATTE O-K-24HNB - OWB - FINAL	12,200.00	6,531.06	954.73	825.15	7.368	SF
EXIST HZ NORTH PLATTE O-K-24HNB - OWB - FINAL	12,236.28	6,547.00	954.37	824.92	7.372	CC, ES
EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL	12,383.70	6,508.53	972.83	843.11	7.499	CC
EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL	12,400.00	6,522.00	972.89	842.89	7.484	ES
EXIST HZ NORTH PLATTE O-K-24HNB - STK 1 - FINAL	16,835.40	11,000.00	1,144.32	875.91	4.263	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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	9,990.09	6,257.00	255.30	62.46	1.324	Level 3, CC, ES, SF
EXIST HZ SI 70 RANCH USX BB 25-99HZ - OWB - FIN	9,100.00	8,948.28	104.93	49.95	1.909	CC
EXIST HZ SI 70 RANCH USX BB 25-99HZ - OWB - FIN	9,200.00	8,867.91	118.82	38.80	1.485	Level 3, ES, SF
EXIST HZ SI 70 RANCH USX BB25-68HN - OWB - FINA	11,512.60	9,057.84	93.73	19.37	1.260	Level 3, CC
EXIST HZ SI 70 RANCH USX BB25-68HN - OWB - FINA	11,600.00	9,057.25	128.16	9.33	1.079	Level 2, ES, SF
EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FIN	7,741.57	10,828.78	104.27	44.65	1.749	CC
EXIST HZ SI 70 RANCH USX BB25-96-1HN - OWB - FIN	7,900.00	10,703.00	141.34	23.80	1.202	Level 2, ES, SF
EXIST HZ STATE NORTH PLATTE 11-36-1XRLC - OWB	100.00	90.54	100.40	99.99	239.426	CC
EXIST HZ STATE NORTH PLATTE 11-36-1XRLC - OWB	600.00	589.95	101.04	97.29	26.954	ES
EXIST HZ STATE NORTH PLATTE 11-36-1XRLC - OWB	1,000.00	978.90	127.69	120.91	18.847	SF
EXIST HZ STATE NORTH PLATTE 11-36-1XRNLB - OW	314.95	306.52	137.85	136.28	87.794	CC, ES
EXIST HZ STATE NORTH PLATTE 11-36-1XRNLB - OW	1,100.00	1,083.22	230.51	223.67	33.709	SF
EXIST HZ STATE NORTH PLATTE 34-31-36HNB - OWB	6,712.90	10,874.00	645.23	554.75	7.131	CC
EXIST HZ STATE NORTH PLATTE 34-31-36HNB - OWB	6,750.00	10,874.00	647.19	554.07	6.950	ES
EXIST HZ STATE NORTH PLATTE 34-31-36HNB - OWB	6,850.00	10,874.00	671.31	572.47	6.792	SF
EXIST HZ STATE NORTH PLATTE 44-41-36HNB - OWB	6,939.75	10,752.00	1,153.71	1,035.76	9.782	CC
EXIST HZ STATE NORTH PLATTE 44-41-36HNB - OWB	6,950.00	10,752.00	1,153.82	1,035.61	9.760	ES
EXIST HZ STATE NORTH PLATTE 44-41-36HNB - OWB	7,050.00	10,752.00	1,166.83	1,046.49	9.696	SF
EXIST HZ STATE NORTH PLATTE F11-J14-36HNC - OW	608.35	599.35	76.98	73.03	19.461	CC, ES
EXIST HZ STATE NORTH PLATTE F11-J14-36HNC - OW	1,000.00	985.50	106.58	99.69	15.452	SF
EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OW	531.73	522.67	57.55	54.14	16.867	CC
EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OW	600.00	590.79	57.85	53.95	14.831	ES
EXIST HZ STATE NORTH PLATTE F21-J24-36HNC - OW	1,000.00	990.84	75.23	68.32	10.893	SF
EXIST HZ STATE NORTH PLATTE F-J-36HNB - OWB -	100.00	88.89	124.03	123.63	306.518	CC
EXIST HZ STATE NORTH PLATTE F-J-36HNB - OWB -	300.00	288.69	124.35	122.52	67.692	ES
EXIST HZ STATE NORTH PLATTE F-J-36HNB - OWB -	1,000.00	985.38	201.02	194.18	29.381	SF
EXIST HZ STATE NORTH PLATTE K21-O24-36HNB - O	450.86	441.72	38.17	35.51	14.340	CC
EXIST HZ STATE NORTH PLATTE K21-O24-36HNB - O	500.00	490.70	38.30	35.29	12.739	ES
EXIST HZ STATE NORTH PLATTE K21-O24-36HNB - O	1,100.00	1,091.42	63.67	55.96	8.251	SF
EXIST HZ STATE NORTH PLATTE K-35-36MRLNB - OW	6,929.45	12,909.75	259.87	101.86	1.645	CC
EXIST HZ STATE NORTH PLATTE K-35-36MRLNB - OW	7,000.00	12,934.65	272.13	75.77	1.386	Level 3, ES
EXIST HZ STATE NORTH PLATTE K-35-36MRLNB - OW	7,050.00	12,950.28	294.40	79.09	1.367	Level 3, SF
EXIST HZ STATE NORTH PLATTE K-O-36HC - OWB - F	414.40	407.92	127.64	125.01	48.573	CC, ES
EXIST HZ STATE NORTH PLATTE K-O-36HC - OWB - F	4,600.00	4,654.21	248.08	194.95	4.669	SF
EXIST HZ STATE NORTH PLATTE T34-P31-36HNC - O	6,793.82	10,915.00	589.66	509.67	7.371	CC
EXIST HZ STATE NORTH PLATTE T34-P31-36HNC - O	6,800.00	10,915.00	589.72	509.55	7.356	ES
EXIST HZ STATE NORTH PLATTE T34-P31-36HNC - O	6,850.00	10,915.00	594.99	513.42	7.294	SF
EXIST HZ STATE NORTH PLATTE T44-P41-36HNC - O	6,908.10	10,862.00	899.21	786.85	8.003	CC, ES
EXIST HZ STATE NORTH PLATTE T44-P41-36HNC - O	6,950.00	10,862.00	901.51	788.25	7.959	SF
EXIST HZ STATE NORTH PLATTE T-P-36HNB - OWB -	6,831.04	10,816.00	649.73	549.94	6.511	CC, ES
EXIST HZ STATE NORTH PLATTE T-P-36HNB - OWB -	6,850.00	10,816.00	650.31	550.33	6.504	SF
EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - O	6,991.62	10,918.00	1,425.37	1,305.58	11.899	CC
EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - O	7,000.00	10,918.00	1,425.44	1,305.41	11.876	ES
EXIST HZ STATE NORTH PLATTE Y44-U41-36HNC - O	7,100.00	10,918.00	1,436.83	1,314.22	11.719	SF
EXIST HZ STATE NORTH PLATTE Y-U-36HC - OWB - F	7,038.36	10,918.00	1,726.05	1,607.12	14.513	CC
EXIST HZ STATE NORTH PLATTE Y-U-36HC - OWB - F	7,050.00	10,918.00	1,726.18	1,606.89	14.471	ES
EXIST HZ STATE NORTH PLATTE Y-U-36HC - OWB - F	7,200.00	10,918.00	1,749.61	1,626.29	14.188	SF
SI VERT 70 RANCH USX BB 25-04 (GYRO) - OWB - GY	11,562.51	6,208.03	3,104.16	2,989.47	27.065	CC, ES
SI VERT 70 RANCH USX BB 25-04 (GYRO) - OWB - GY	11,800.00	6,200.00	3,113.24	2,997.84	26.978	SF
STATE NORTH PLATTE F-36 FED 25N-10-01 - OWB - P	300.00	300.00	120.01	118.04	60.870	CC, ES
STATE NORTH PLATTE F-36 FED 25N-10-01 - OWB - P	11,800.00	10,974.09	3,120.31	2,929.31	16.336	SF
STATE NORTH PLATTE F-36 FED 25N-10-02 - OWB - P	300.00	300.00	120.59	118.62	61.162	CC, ES

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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						
STATE NORTH PLATTE F-36 FED 25N-10-02 - OWB - P	11,700.00	10,999.56	2,509.58	2,318.53	13.135	SF
STATE NORTH PLATTE F-36 FED 25N-10-03 - OWB - P	300.00	300.00	124.43	122.46	63.111	CC, ES
STATE NORTH PLATTE F-36 FED 25N-10-03 - OWB - P	11,700.00	11,097.28	1,870.57	1,678.67	9.748	SF
STATE NORTH PLATTE F-36 FED 25N-10-04 - OWB - P	300.00	300.00	131.51	129.54	66.701	CC, ES
STATE NORTH PLATTE F-36 FED 25N-10-04 - OWB - P	11,700.00	11,254.86	1,232.76	1,040.06	6.397	SF
STATE NORTH PLATTE F-36 FED 25N-20-07 - OWB - P	306.40	306.43	19.57	17.56	9.730	CC
STATE NORTH PLATTE F-36 FED 25N-20-07 - OWB - P	400.00	399.92	19.86	17.19	7.430	ES
STATE NORTH PLATTE F-36 FED 25N-20-07 - OWB - P	17,000.81	17,348.07	682.22	307.12	1.819	SF
STATE NORTH PLATTE F-36 FED 25N-20-08 - OWB - P	245.40	245.46	39.53	37.96	25.081	CC
STATE NORTH PLATTE F-36 FED 25N-20-08 - OWB - P	300.00	299.93	39.67	37.70	20.158	ES
STATE NORTH PLATTE F-36 FED 25N-20-08 - OWB - P	17,000.81	17,677.76	1,264.14	888.66	3.367	SF
STATE NORTH PLATTE F-36 FED 25N-30-05 - OWB - P	421.32	421.28	19.87	17.04	7.016	CC
STATE NORTH PLATTE F-36 FED 25N-30-05 - OWB - P	500.00	499.93	20.09	16.70	5.930	ES
STATE NORTH PLATTE F-36 FED 25N-30-05 - OWB - P	17,000.81	16,693.82	724.51	351.80	1.944	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		Offset		Semi Major Axis			Distance							Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft) +E/-W (usft)		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
3,000.00	2,765.95	2,803.95	2,803.95	22.01	9.64	-70.97	9,786.00	3,614.97	10,022.12	9,991.52	30.60	327.540						
3,100.00	2,852.08	2,890.08	2,890.08	23.09	9.94	-71.21	9,786.00	3,614.97	10,003.34	9,971.40	31.94	313.198						
3,200.00	2,938.20	2,976.20	2,976.20	24.16	10.24	-71.45	9,786.00	3,614.97	9,984.78	9,951.50	33.29	299.978						
3,300.00	3,024.32	3,062.32	3,062.32	25.24	10.54	-71.70	9,786.00	3,614.97	9,966.45	9,931.81	34.63	287.757						
3,400.00	3,110.45	3,148.45	3,148.45	26.32	10.85	-71.94	9,786.00	3,614.97	9,948.34	9,912.35	35.99	276.429						
3,500.00	3,196.57	3,234.57	3,234.57	27.40	11.15	-72.18	9,786.00	3,614.97	9,930.46	9,893.11	37.35	265.901						
3,600.00	3,282.70	3,320.70	3,320.70	28.48	11.45	-72.43	9,786.00	3,614.97	9,912.80	9,874.10	38.71	256.093						
3,700.00	3,368.82	3,406.82	3,406.82	29.56	11.75	-72.67	9,786.00	3,614.97	9,895.38	9,855.31	40.07	246.937						
3,800.00	3,454.95	3,492.95	3,492.95	30.64	12.05	-72.92	9,786.00	3,614.97	9,878.19	9,836.75	41.44	238.370						
3,900.00	3,541.07	3,579.07	3,579.07	31.72	12.36	-73.17	9,786.00	3,614.97	9,861.23	9,818.41	42.81	230.338						
4,000.00	3,627.19	3,665.19	3,665.19	32.80	12.66	-73.41	9,786.00	3,614.97	9,844.50	9,800.31	44.19	222.795						
4,100.00	3,713.32	3,751.32	3,751.32	33.89	12.96	-73.66	9,786.00	3,614.97	9,828.01	9,782.44	45.56	215.698						
4,200.00	3,799.44	3,837.44	3,837.44	34.97	13.26	-73.91	9,786.00	3,614.97	9,811.75	9,764.80	46.94	209.010						
4,300.00	3,885.57	3,923.57	3,923.57	36.05	13.56	-74.16	9,786.00	3,614.97	9,795.73	9,747.40	48.33	202.698						
4,400.00	3,971.69	4,009.69	4,009.69	37.14	13.87	-74.41	9,786.00	3,614.97	9,779.94	9,730.23	49.71	196.730						
4,500.00	4,057.82	4,095.82	4,095.82	38.22	14.17	-74.66	9,786.00	3,614.97	9,764.40	9,713.30	51.10	191.082						
4,600.00	4,143.94	4,181.94	4,181.94	39.31	14.47	-74.91	9,786.00	3,614.97	9,749.09	9,696.60	52.49	185.728						
4,700.00	4,230.06	4,268.06	4,268.06	40.39	14.77	-75.16	9,786.00	3,614.97	9,734.03	9,680.15	53.88	180.647						
4,800.00	4,316.19	4,354.19	4,354.19	41.48	15.07	-75.41	9,786.00	3,614.97	9,719.21	9,663.93	55.28	175.820						
4,900.00	4,402.31	4,440.31	4,440.31	42.57	15.38	-75.67	9,786.00	3,614.97	9,704.63	9,647.96	56.68	171.227						
5,000.00	4,488.44	4,526.44	4,526.44	43.65	15.68	-75.92	9,786.00	3,614.97	9,690.30	9,632.22	58.08	166.854						
5,100.00	4,574.56	4,612.56	4,612.56	44.74	15.98	-76.17	9,786.00	3,614.97	9,676.21	9,616.74	59.48	162.685						
5,200.00	4,660.69	4,698.69	4,698.69	45.83	16.28	-76.43	9,786.00	3,614.97	9,662.37	9,601.49	60.88	158.707						
5,300.00	4,746.81	4,784.81	4,784.81	46.91	16.58	-76.68	9,786.00	3,614.97	9,648.78	9,586.49	62.29	154.908						
5,400.00	4,832.93	4,870.93	4,870.93	48.00	16.89	-76.94	9,786.00	3,614.97	9,635.44	9,571.74	63.69	151.276						
5,500.00	4,919.06	4,957.06	4,957.06	49.09	17.19	-77.19	9,786.00	3,614.97	9,622.35	9,557.24	65.10	147.801						
5,600.00	5,005.18	5,043.18	5,043.18	50.17	17.49	-77.45	9,786.00	3,614.97	9,609.50	9,542.99	66.51	144.474						
5,700.00	5,091.31	5,129.31	5,129.31	51.26	17.79	-77.71	9,786.00	3,614.97	9,596.91	9,528.99	67.93	141.285						

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
5,800.00	5,177.43	5,215.43	5,215.43	52.35	18.09	-77.97	9,786.00	3,614.97	9,584.57	9,515.23	69.34	138.227		
5,900.00	5,263.56	5,301.56	5,301.56	53.44	18.40	-78.22	9,786.00	3,614.97	9,572.49	9,501.74	70.75	135.292		
6,000.00	5,349.68	5,387.68	5,387.68	54.53	18.70	-78.48	9,786.00	3,614.97	9,560.66	9,488.49	72.17	132.474		
6,100.00	5,435.80	5,473.80	5,473.80	55.61	19.00	-78.74	9,786.00	3,614.97	9,549.09	9,475.50	73.59	129.765		
6,200.00	5,521.93	5,559.93	5,559.93	56.70	19.30	-79.00	9,786.00	3,614.97	9,537.77	9,462.77	75.01	127.160		
6,300.00	5,608.05	5,646.05	5,646.05	57.79	19.60	-79.26	9,786.00	3,614.97	9,526.71	9,450.29	76.43	124.654		
6,400.00	5,694.18	5,732.18	5,732.18	58.88	19.91	-79.52	9,786.00	3,614.97	9,515.91	9,438.07	77.85	122.240		
6,479.32	5,762.49	5,800.49	5,800.49	59.74	20.15	-79.73	9,786.00	3,614.97	9,507.53	9,428.56	78.97	120.390		
6,500.00	5,780.28	5,818.28	5,818.28	59.97	20.21	-76.31	9,786.00	3,614.97	9,505.00	9,425.74	79.27	119.913		
6,550.00	5,822.98	5,860.98	5,860.98	60.51	20.36	-68.38	9,786.00	3,614.97	9,495.90	9,415.94	79.96	118.757		
6,600.00	5,865.00	5,903.00	5,903.00	61.05	20.51	-61.17	9,786.00	3,614.97	9,482.62	9,401.98	80.63	117.602		
6,650.00	5,906.01	5,944.01	5,944.01	61.57	20.65	-54.82	9,786.00	3,614.97	9,465.25	9,383.98	81.28	116.458		
6,700.00	5,945.70	5,983.70	5,983.70	62.08	20.79	-49.33	9,786.00	3,614.97	9,443.93	9,362.05	81.88	115.334		
6,750.00	5,983.77	6,021.77	6,021.77	62.56	20.92	-44.65	9,786.00	3,614.97	9,418.81	9,336.36	82.45	114.236		
6,800.00	6,019.92	6,057.92	6,057.92	63.02	21.05	-40.66	9,786.00	3,614.97	9,390.06	9,307.09	82.97	113.168		
6,850.00	6,053.90	6,091.90	6,091.90	63.45	21.17	-37.25	9,786.00	3,614.97	9,357.91	9,274.46	83.45	112.135		
6,900.00	6,085.42	6,123.42	6,123.42	63.86	21.28	-34.29	9,786.00	3,614.97	9,322.59	9,238.71	83.88	111.141		
6,950.00	6,114.26	6,152.26	6,152.26	64.23	21.38	-31.67	9,786.00	3,614.97	9,284.35	9,200.09	84.26	110.188		
7,000.00	6,140.20	6,178.20	6,178.20	64.58	21.47	-29.27	9,786.00	3,614.97	9,243.48	9,158.89	84.59	109.280		
7,050.00	6,163.03	6,201.03	6,201.03	64.89	21.55	-26.95	9,786.00	3,614.97	9,200.28	9,115.42	84.86	108.417		
7,100.00	6,182.59	6,220.59	6,220.59	65.17	21.62	-24.49	9,786.00	3,614.97	9,155.08	9,070.00	85.08	107.602		
7,150.00	6,198.73	6,236.73	6,236.73	65.42	21.68	-21.50	9,786.00	3,614.97	9,108.22	9,022.96	85.25	106.837		
7,200.00	6,211.32	6,249.32	6,249.32	65.65	21.72	-17.08	9,786.00	3,614.97	9,060.04	8,974.66	85.37	106.121		
7,250.00	6,220.26	6,258.26	6,258.26	65.84	21.75	-8.33	9,786.00	3,614.97	9,010.90	8,925.46	85.45	105.457		
7,300.00	6,225.50	6,263.50	6,263.50	66.01	21.77	19.54	9,786.00	3,614.97	8,961.20	8,875.72	85.47	104.844		
7,344.70	6,227.00	6,265.00	6,265.00	66.14	21.77	90.00	9,786.00	3,614.97	8,916.57	8,831.11	85.46	104.341		
7,400.00	6,227.00	6,265.00	6,265.00	66.29	21.77	90.00	9,786.00	3,614.97	8,861.39	8,775.97	85.41	103.745		
7,500.00	6,227.00	6,265.00	6,265.00	66.58	21.77	90.00	9,786.00	3,614.97	8,761.59	8,676.25	85.34	102.668		
7,600.00	6,227.00	6,265.00	6,265.00	66.90	21.77	90.00	9,786.00	3,614.97	8,661.81	8,576.54	85.26	101.590		
7,700.00	6,227.00	6,265.00	6,265.00	67.24	21.77	90.00	9,786.00	3,614.97	8,562.02	8,476.84	85.18	100.512		
7,800.00	6,227.00	6,265.00	6,265.00	67.61	21.77	90.00	9,786.00	3,614.97	8,462.24	8,377.14	85.10	99.434		
7,900.00	6,227.00	6,265.00	6,265.00	68.00	21.77	90.00	9,786.00	3,614.97	8,362.47	8,277.45	85.02	98.356		
8,000.00	6,227.00	6,265.00	6,265.00	68.43	21.77	90.00	9,786.00	3,614.97	8,262.70	8,177.76	84.94	97.277		
8,100.00	6,227.00	6,265.00	6,265.00	68.88	21.77	90.00	9,786.00	3,614.97	8,162.94	8,078.09	84.86	96.198		
8,200.00	6,227.00	6,265.00	6,265.00	69.36	21.77	90.00	9,786.00	3,614.97	8,063.19	7,978.42	84.77	95.119		
8,300.00	6,227.00	6,265.00	6,265.00	69.88	21.77	90.00	9,786.00	3,614.97	7,963.44	7,878.76	84.68	94.040		
8,400.00	6,227.00	6,265.00	6,265.00	70.43	21.77	90.00	9,786.00	3,614.97	7,863.69	7,779.10	84.59	92.961		
8,500.00	6,227.00	6,265.00	6,265.00	71.00	21.77	90.00	9,786.00	3,614.97	7,763.96	7,679.46	84.50	91.881		
8,600.00	6,227.00	6,265.00	6,265.00	71.62	21.77	90.00	9,786.00	3,614.97	7,664.23	7,579.82	84.41	90.802		
8,700.00	6,227.00	6,265.00	6,265.00	72.26	21.77	90.00	9,786.00	3,614.97	7,564.50	7,480.19	84.31	89.722		
8,800.00	6,227.00	6,265.00	6,265.00	72.94	21.77	90.00	9,786.00	3,614.97	7,464.79	7,380.58	84.21	88.642		
8,900.00	6,227.00	6,265.00	6,265.00	73.66	21.77	90.00	9,786.00	3,614.97	7,365.08	7,280.97	84.11	87.563		
9,000.00	6,227.00	6,265.00	6,265.00	74.41	21.77	90.00	9,786.00	3,614.97	7,265.38	7,181.37	84.01	86.483		
9,100.00	6,227.00	6,265.00	6,265.00	75.19	21.77	90.00	9,786.00	3,614.97	7,165.69	7,081.78	83.90	85.403		
9,200.00	6,227.00	6,265.00	6,265.00	76.01	21.77	90.00	9,786.00	3,614.97	7,066.01	6,982.21	83.80	84.322		
9,300.00	6,227.00	6,265.00	6,265.00	76.86	21.77	90.00	9,786.00	3,614.97	6,966.33	6,882.65	83.69	83.242		
9,400.00	6,227.00	6,265.00	6,265.00	77.75	21.77	90.00	9,786.00	3,614.97	6,866.67	6,783.10	83.57	82.162		
9,500.00	6,227.00	6,265.00	6,265.00	78.67	21.77	90.00	9,786.00	3,614.97	6,767.02	6,683.56	83.46	81.082		
9,600.00	6,227.00	6,265.00	6,265.00	79.63	21.77	90.00	9,786.00	3,614.97	6,667.37	6,584.03	83.34	80.002		
9,700.00	6,227.00	6,265.00	6,265.00	80.62	21.77	90.00	9,786.00	3,614.97	6,567.74	6,484.52	83.22	78.921		
9,800.00	6,227.00	6,265.00	6,265.00	81.64	21.77	90.00	9,786.00	3,614.97	6,468.12	6,385.02	83.09	77.841		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
9,900.00	6,227.00	6,265.00	6,265.00	82.69	21.77	90.00	9,786.00	3,614.97	6,368.51	6,285.54	82.97	76.761		
10,000.00	6,227.00	6,265.00	6,265.00	83.77	21.77	90.00	9,786.00	3,614.97	6,268.91	6,186.08	82.83	75.680		
10,100.00	6,227.00	6,265.00	6,265.00	84.88	21.77	90.00	9,786.00	3,614.97	6,169.33	6,086.63	82.70	74.600		
10,200.00	6,227.00	6,265.00	6,265.00	86.02	21.77	90.00	9,786.00	3,614.97	6,069.76	5,987.20	82.56	73.520		
10,300.00	6,227.00	6,265.00	6,265.00	87.19	21.77	90.00	9,786.00	3,614.97	5,970.20	5,887.78	82.42	72.440		
10,400.00	6,227.00	6,265.00	6,265.00	88.38	21.77	90.00	9,786.00	3,614.97	5,870.66	5,788.39	82.27	71.359		
10,500.00	6,227.00	6,265.00	6,265.00	89.60	21.77	90.00	9,786.00	3,614.97	5,771.13	5,689.02	82.12	70.279		
10,600.00	6,227.00	6,265.00	6,265.00	90.84	21.77	90.00	9,786.00	3,614.97	5,671.63	5,589.66	81.96	69.199		
10,700.00	6,227.00	6,265.00	6,265.00	92.11	21.77	90.00	9,786.00	3,614.97	5,572.13	5,490.33	81.80	68.119		
10,800.00	6,227.00	6,265.00	6,265.00	93.39	21.77	90.00	9,786.00	3,614.97	5,472.66	5,391.03	81.63	67.039		
10,900.00	6,227.00	6,265.00	6,265.00	94.70	21.77	90.00	9,786.00	3,614.97	5,373.21	5,291.75	81.46	65.959		
11,000.00	6,227.00	6,265.00	6,265.00	96.03	21.77	90.00	9,786.00	3,614.97	5,273.78	5,192.49	81.29	64.878		
11,100.00	6,227.00	6,265.00	6,265.00	97.37	21.77	90.00	9,786.00	3,614.97	5,174.37	5,093.26	81.11	63.798		
11,200.00	6,227.00	6,265.00	6,265.00	98.74	21.77	90.00	9,786.00	3,614.97	5,074.98	4,994.06	80.92	62.718		
11,300.00	6,227.00	6,265.00	6,265.00	100.12	21.77	90.00	9,786.00	3,614.97	4,975.62	4,894.89	80.72	61.638		
11,400.00	6,227.00	6,265.00	6,265.00	101.51	21.77	90.00	9,786.00	3,614.97	4,876.28	4,795.76	80.52	60.558		
11,500.00	6,227.00	6,265.00	6,265.00	102.92	21.77	90.00	9,786.00	3,614.97	4,776.97	4,696.66	80.32	59.477		
11,600.00	6,227.00	6,265.00	6,265.00	104.35	21.77	90.00	9,786.00	3,614.97	4,677.69	4,597.59	80.10	58.397		
11,700.00	6,227.00	6,265.00	6,265.00	105.79	21.77	90.00	9,786.00	3,614.97	4,578.45	4,498.57	79.88	57.316		
11,800.00	6,227.00	6,265.00	6,265.00	107.24	21.77	90.00	9,786.00	3,614.97	4,479.23	4,399.58	79.65	56.235		
11,900.00	6,227.00	6,265.00	6,265.00	108.71	21.77	90.00	9,786.00	3,614.97	4,380.05	4,300.64	79.42	55.153		
12,000.00	6,227.00	6,265.00	6,265.00	110.19	21.77	90.00	9,786.00	3,614.97	4,280.91	4,201.74	79.17	54.072		
12,100.00	6,227.00	6,265.00	6,265.00	111.68	21.77	90.00	9,786.00	3,614.97	4,181.81	4,102.90	78.92	52.989		
12,200.00	6,227.00	6,265.00	6,265.00	113.18	21.77	90.00	9,786.00	3,614.97	4,082.76	4,004.10	78.66	51.906		
12,300.00	6,227.00	6,265.00	6,265.00	114.68	21.77	90.00	9,786.00	3,614.97	3,983.75	3,905.36	78.39	50.823		
12,400.00	6,227.00	6,265.00	6,265.00	116.20	21.77	90.00	9,786.00	3,614.97	3,884.79	3,806.69	78.10	49.738		
12,500.00	6,227.00	6,265.00	6,265.00	117.73	21.77	90.00	9,786.00	3,614.97	3,785.89	3,708.07	77.82	48.652		
12,600.00	6,227.00	6,265.00	6,265.00	119.27	21.77	90.00	9,786.00	3,614.97	3,687.05	3,609.53	77.52	47.565		
12,700.00	6,227.00	6,265.00	6,265.00	120.81	21.77	90.00	9,786.00	3,614.97	3,588.27	3,511.06	77.21	46.476		
12,800.00	6,227.00	6,265.00	6,265.00	122.37	21.77	90.00	9,786.00	3,614.97	3,489.56	3,412.67	76.89	45.385		
12,900.00	6,227.00	6,265.00	6,265.00	123.93	21.77	90.00	9,786.00	3,614.97	3,390.92	3,314.36	76.56	44.292		
13,000.00	6,227.00	6,265.00	6,265.00	125.49	21.77	90.00	9,786.00	3,614.97	3,292.37	3,216.15	76.22	43.196		
13,100.00	6,227.00	6,265.00	6,265.00	127.07	21.77	90.00	9,786.00	3,614.97	3,193.91	3,118.04	75.87	42.096		
13,200.00	6,227.00	6,265.00	6,265.00	128.65	21.77	90.00	9,786.00	3,614.97	3,095.54	3,020.03	75.52	40.992		
13,300.00	6,227.00	6,265.00	6,265.00	130.24	21.77	90.00	9,786.00	3,614.97	2,997.29	2,922.14	75.15	39.883		
13,400.00	6,227.00	6,265.00	6,265.00	131.83	21.77	90.00	9,786.00	3,614.97	2,899.15	2,824.37	74.78	38.767		
13,500.00	6,227.00	6,265.00	6,265.00	133.43	21.77	90.00	9,786.00	3,614.97	2,801.15	2,726.74	74.41	37.645		
13,600.00	6,227.00	6,265.00	6,265.00	135.03	21.77	90.00	9,786.00	3,614.97	2,703.29	2,629.26	74.04	36.513		
13,700.00	6,227.00	6,265.00	6,265.00	136.64	21.77	90.00	9,786.00	3,614.97	2,605.60	2,531.93	73.66	35.371		
13,800.00	6,227.00	6,265.00	6,265.00	138.25	21.77	90.00	9,786.00	3,614.97	2,508.09	2,434.78	73.30	34.216		
13,900.00	6,227.00	6,265.00	6,265.00	139.87	21.77	90.00	9,786.00	3,614.97	2,410.78	2,337.82	72.95	33.045		
14,000.00	6,227.00	6,265.00	6,265.00	141.50	21.77	90.00	9,786.00	3,614.97	2,313.70	2,241.06	72.63	31.856		
14,100.00	6,227.00	6,265.00	6,265.00	143.12	21.77	90.00	9,786.00	3,614.97	2,216.88	2,144.53	72.34	30.643		
14,200.00	6,227.00	6,265.00	6,265.00	144.76	21.77	90.00	9,786.00	3,614.97	2,120.35	2,048.24	72.11	29.404		
14,300.00	6,227.00	6,265.00	6,265.00	146.39	21.77	90.00	9,786.00	3,614.97	2,024.16	1,952.21	71.95	28.132		
14,400.00	6,227.00	6,265.00	6,265.00	148.03	21.77	90.00	9,786.00	3,614.97	1,928.36	1,856.47	71.90	26.822		
14,500.00	6,227.00	6,265.00	6,265.00	149.67	21.77	90.00	9,786.00	3,614.97	1,833.01	1,761.03	71.98	25.466		
14,600.00	6,227.00	6,265.00	6,265.00	151.32	21.77	90.00	9,786.00	3,614.97	1,738.18	1,665.94	72.25	24.059		
14,700.00	6,227.00	6,265.00	6,265.00	152.97	21.77	90.00	9,786.00	3,614.97	1,643.97	1,571.20	72.76	22.594		
14,800.00	6,227.00	6,265.00	6,265.00	154.62	21.77	90.00	9,786.00	3,614.97	1,550.48	1,476.87	73.60	21.065		
14,900.00	6,227.00	6,265.00	6,265.00	156.28	21.77	90.00	9,786.00	3,614.97	1,457.85	1,382.98	74.87	19.472		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
<b>Survey Program:</b> 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		
15,000.00	6,227.00	6,265.00	6,265.00	157.94	21.77	90.00	9,786.00	3,614.97	1,366.26	1,289.59	76.68	17.819		
15,100.00	6,227.00	6,265.00	6,265.00	159.60	21.77	90.00	9,786.00	3,614.97	1,275.94	1,196.76	79.18	16.115		
15,200.00	6,227.00	6,265.00	6,265.00	161.27	21.77	90.00	9,786.00	3,614.97	1,187.17	1,104.63	82.54	14.383		
15,300.00	6,227.00	6,265.00	6,265.00	162.94	21.77	90.00	9,786.00	3,614.97	1,100.33	1,013.35	86.98	12.651		
15,400.00	6,227.00	6,265.00	6,265.00	164.61	21.77	90.00	9,786.00	3,614.97	1,015.91	923.20	92.71	10.958		
15,500.00	6,227.00	6,265.00	6,265.00	166.28	21.77	90.00	9,786.00	3,614.97	934.57	834.59	99.98	9.348		
15,600.00	6,227.00	6,265.00	6,265.00	167.95	21.77	90.00	9,786.00	3,614.97	857.18	748.16	109.02	7.862		
15,700.00	6,227.00	6,265.00	6,265.00	169.63	21.77	90.00	9,786.00	3,614.97	784.93	664.89	120.04	6.539		
15,800.00	6,227.00	6,265.00	6,265.00	171.31	21.77	90.00	9,786.00	3,614.97	719.35	586.30	133.05	5.406		
15,900.00	6,227.00	6,265.00	6,265.00	172.99	21.77	90.00	9,786.00	3,614.97	662.43	514.62	147.81	4.482		
16,000.00	6,227.00	6,265.00	6,265.00	174.68	21.77	90.00	9,786.00	3,614.97	616.57	453.06	163.51	3.771		
16,100.00	6,227.00	6,265.00	6,265.00	176.36	21.77	90.00	9,786.00	3,614.97	584.39	405.69	178.69	3.270		
16,200.00	6,227.00	6,265.00	6,265.00	178.05	21.77	90.00	9,786.00	3,614.97	568.21	376.84	191.36	2.969		
16,243.26	6,227.00	6,265.00	6,265.00	178.78	21.77	90.00	9,786.00	3,614.97	566.56	370.97	195.59	2.897 CC		
16,300.00	6,227.00	6,265.00	6,265.00	179.74	21.77	90.00	9,786.00	3,614.97	569.39	369.66	199.73	2.851 ES, SF		
16,400.00	6,227.00	6,265.00	6,265.00	181.43	21.77	90.00	9,786.00	3,614.97	587.84	384.79	203.04	2.895		
16,500.00	6,227.00	6,265.00	6,265.00	183.13	21.77	90.00	9,786.00	3,614.97	622.02	420.16	201.86	3.081		
16,600.00	6,227.00	6,265.00	6,265.00	184.82	21.77	90.00	9,786.00	3,614.97	669.52	471.99	197.53	3.389		
16,700.00	6,227.00	6,265.00	6,265.00	186.52	21.77	90.00	9,786.00	3,614.97	727.74	536.26	191.48	3.801		
16,800.00	6,227.00	6,265.00	6,265.00	188.22	21.77	90.00	9,786.00	3,614.97	794.32	609.55	184.77	4.299		
16,900.00	6,227.00	6,265.00	6,265.00	189.92	21.77	90.00	9,786.00	3,614.97	867.35	689.26	178.09	4.870		
17,000.81	6,227.00	6,265.00	6,265.00	191.63	21.77	90.00	9,786.00	3,614.97	945.98	774.25	171.72	5.509		



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
2,400.00	2,249.21	2,300.00	2,299.84	15.62	7.89	-73.36	9,843.08	2,867.05	10,004.77	9,981.79	22.98	435.283	
2,500.00	2,335.33	2,413.49	2,413.32	16.68	8.28	-73.69	9,842.91	2,865.66	9,987.80	9,963.40	24.40	409.256	
2,600.00	2,421.45	2,471.26	2,471.09	17.74	8.48	-73.86	9,842.86	2,864.89	9,971.10	9,945.46	25.64	388.879	
2,700.00	2,507.58	2,548.95	2,548.78	18.81	8.76	-74.08	9,842.91	2,863.95	9,954.79	9,927.84	26.95	369.371	
2,800.00	2,593.70	2,628.28	2,628.10	19.87	9.03	-74.31	9,842.91	2,863.22	9,938.73	9,910.46	28.27	351.547	
2,900.00	2,679.83	2,700.00	2,699.82	20.94	9.28	-74.52	9,843.05	2,862.52	9,923.05	9,893.48	29.57	335.567	
3,000.00	2,765.95	2,794.96	2,794.77	22.01	9.62	-74.80	9,843.23	2,861.73	9,907.65	9,876.70	30.95	320.073	
3,100.00	2,852.08	2,871.11	2,870.92	23.09	9.88	-75.02	9,843.33	2,861.14	9,892.45	9,860.17	32.28	306.479	
3,200.00	2,938.20	2,967.40	2,967.21	24.16	10.22	-75.30	9,843.54	2,860.14	9,877.53	9,843.86	33.67	293.328	
3,300.00	3,024.32	3,055.40	3,055.20	25.24	10.53	-75.56	9,843.57	2,859.46	9,862.74	9,827.70	35.05	281.427	
3,400.00	3,110.45	3,127.34	3,127.14	26.32	10.78	-75.77	9,843.64	2,858.97	9,848.26	9,811.89	36.37	270.816	
3,500.00	3,196.57	3,200.00	3,199.80	27.40	11.03	-75.98	9,843.84	2,858.64	9,834.20	9,796.51	37.69	260.923	
3,600.00	3,282.70	3,262.97	3,262.77	28.48	11.25	-76.17	9,844.10	2,858.55	9,820.55	9,781.56	38.98	251.911	
3,700.00	3,368.82	3,366.14	3,365.94	29.56	11.61	-76.47	9,844.50	2,858.71	9,807.19	9,766.77	40.42	242.646	
3,800.00	3,454.95	3,470.72	3,470.52	30.64	11.97	-76.77	9,844.60	2,859.00	9,793.82	9,751.96	41.86	233.971	
3,900.00	3,541.07	3,543.10	3,542.90	31.72	12.22	-76.98	9,844.65	2,859.19	9,780.67	9,737.48	43.19	226.436	
4,000.00	3,627.19	3,607.29	3,607.09	32.80	12.44	-77.17	9,844.84	2,859.44	9,767.97	9,723.46	44.50	219.489	
4,100.00	3,713.32	3,689.90	3,689.69	33.89	12.73	-77.41	9,845.19	2,859.63	9,755.62	9,709.74	45.88	212.647	
4,200.00	3,799.44	3,794.83	3,794.63	34.97	13.09	-77.72	9,845.51	2,859.71	9,743.36	9,696.03	47.33	205.864	
4,300.00	3,885.57	3,874.21	3,874.00	36.05	13.37	-77.95	9,845.67	2,859.82	9,731.31	9,682.62	48.70	199.836	
4,400.00	3,971.69	3,951.22	3,951.02	37.14	13.64	-78.18	9,845.99	2,859.93	9,719.68	9,669.62	50.06	194.169	
4,500.00	4,057.82	4,040.11	4,039.90	38.22	13.94	-78.44	9,846.37	2,860.14	9,708.31	9,656.85	51.46	188.653	
4,600.00	4,143.94	4,137.95	4,137.74	39.31	14.28	-78.73	9,846.71	2,860.41	9,697.14	9,644.24	52.90	183.321	
4,700.00	4,230.06	4,231.69	4,231.49	40.39	14.61	-79.00	9,846.92	2,860.36	9,686.08	9,631.76	54.32	178.313	
4,800.00	4,316.19	4,300.00	4,299.79	41.48	14.85	-79.21	9,847.10	2,860.48	9,675.33	9,619.67	55.66	173.830	
4,900.00	4,402.31	4,365.24	4,365.03	42.57	15.08	-79.40	9,847.40	2,860.54	9,665.01	9,608.02	56.99	169.593	
5,000.00	4,488.44	4,472.58	4,472.36	43.65	15.45	-79.72	9,847.91	2,860.86	9,654.96	9,596.49	58.46	165.144	
5,100.00	4,574.56	4,549.75	4,549.53	44.74	15.72	-79.95	9,848.08	2,861.68	9,645.00	9,585.17	59.84	161.189	
5,200.00	4,660.69	4,600.00	4,599.78	45.83	15.89	-80.09	9,848.43	2,861.97	9,635.65	9,574.53	61.12	157.654	
5,300.00	4,746.81	4,695.44	4,695.21	46.91	16.23	-80.38	9,849.26	2,862.24	9,626.69	9,564.14	62.56	153.888	
5,400.00	4,832.93	4,857.99	4,857.75	48.00	16.79	-80.86	9,849.98	2,863.79	9,617.77	9,553.55	64.22	149.756	
5,500.00	4,919.06	4,939.26	4,939.02	49.09	17.08	-81.10	9,849.75	2,864.66	9,608.39	9,542.78	65.61	146.438	
5,600.00	5,005.18	5,029.20	5,028.96	50.17	17.39	-81.37	9,849.98	2,864.64	9,599.67	9,532.63	67.04	143.202	
5,700.00	5,091.31	5,159.32	5,159.08	51.26	17.84	-81.76	9,849.62	2,864.66	9,590.71	9,522.12	68.59	139.818	
5,800.00	5,177.43	5,242.17	5,241.93	52.35	18.13	-82.01	9,849.28	2,865.32	9,581.96	9,511.97	69.99	136.899	
5,900.00	5,263.56	5,373.54	5,373.28	53.44	18.59	-82.40	9,848.39	2,865.37	9,573.21	9,501.66	71.56	133.787	
6,000.00	5,349.68	5,430.21	5,429.96	54.53	18.79	-82.58	9,847.91	2,865.15	9,564.59	9,491.72	72.87	131.257	
6,100.00	5,435.80	5,468.06	5,467.81	55.61	18.92	-82.69	9,847.79	2,864.87	9,556.64	9,482.53	74.12	128.937	
6,200.00	5,521.93	5,500.00	5,499.74	56.70	19.03	-82.79	9,847.84	2,864.55	9,549.41	9,474.06	75.35	126.740	
6,300.00	5,608.05	5,560.11	5,559.85	57.79	19.24	-82.98	9,848.17	2,864.04	9,542.78	9,466.11	76.67	124.467	
6,400.00	5,694.18	5,637.16	5,636.89	58.88	19.51	-83.21	9,848.88	2,863.74	9,536.70	9,458.65	78.05	122.187	
6,479.32	5,762.49	5,770.72	5,770.44	59.74	19.98	-83.63	9,849.45	2,861.66	9,531.69	9,452.30	79.40	120.053	
6,500.00	5,780.28	5,788.32	5,788.03	59.97	20.04	-80.23	9,849.49	2,861.33	9,530.01	9,450.32	79.69	119.594	
6,550.00	5,822.98	5,838.88	5,838.58	60.51	20.22	-72.40	9,849.48	2,860.40	9,522.85	9,442.44	80.41	118.429	
6,600.00	5,865.00	5,862.61	5,862.31	61.05	20.30	-65.23	9,849.53	2,860.05	9,511.56	9,430.53	81.03	117.388	
6,650.00	5,906.01	5,900.00	5,899.70	61.57	20.43	-59.01	9,849.69	2,859.62	9,496.23	9,414.56	81.67	116.276	
6,700.00	5,945.70	5,917.00	5,916.70	62.08	20.49	-53.63	9,849.78	2,859.46	9,476.90	9,394.68	82.22	115.267	
6,750.00	5,983.77	5,960.42	5,960.12	62.56	20.64	-49.19	9,850.01	2,859.07	9,453.69	9,370.86	82.83	114.140	
6,800.00	6,019.92	6,001.70	6,001.40	63.02	20.79	-45.52	9,850.20	2,858.74	9,426.74	9,343.35	83.39	113.038	
6,850.00	6,053.90	6,029.17	6,028.87	63.45	20.88	-42.45	9,850.33	2,858.53	9,396.28	9,312.40	83.88	112.019	
6,900.00	6,085.42	6,055.18	6,054.87	63.86	20.97	-39.95	9,850.47	2,858.35	9,362.54	9,278.21	84.33	111.027	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
6,950.00	6,114.26	6,079.04	6,078.73	64.23	21.06	-37.94	9,850.61	2,858.19	9,325.76	9,241.04	84.73	110.069	
7,000.00	6,140.20	6,100.00	6,099.69	64.58	21.13	-36.35	9,850.75	2,858.06	9,286.22	9,201.14	85.08	109.150	
7,050.00	6,163.03	6,100.00	6,099.69	64.89	21.13	-35.02	9,850.75	2,858.06	9,244.22	9,158.90	85.32	108.350	
7,100.00	6,182.59	6,100.00	6,099.69	65.17	21.13	-34.05	9,850.75	2,858.06	9,200.08	9,114.56	85.52	107.578	
7,150.00	6,198.73	6,100.00	6,099.69	65.42	21.13	-33.43	9,850.75	2,858.06	9,154.11	9,068.43	85.68	106.836	
7,200.00	6,211.32	6,100.00	6,099.69	65.65	21.13	-33.22	9,850.75	2,858.06	9,106.64	9,020.83	85.81	106.125	
7,250.00	6,220.26	6,100.00	6,099.69	65.84	21.13	-33.68	9,850.75	2,858.06	9,058.00	8,972.10	85.90	105.445	
7,300.00	6,225.50	6,100.00	6,099.69	66.01	21.13	-35.90	9,850.75	2,858.06	9,008.55	8,922.59	85.96	104.798	
7,344.70	6,227.00	6,100.00	6,099.69	66.14	21.13	-51.74	9,850.75	2,858.06	8,963.95	8,877.97	85.99	104.248	
7,400.00	6,227.00	6,100.00	6,099.69	66.29	21.13	-51.74	9,850.75	2,858.06	8,908.68	8,822.67	86.00	103.585	
7,500.00	6,227.00	6,100.00	6,099.69	66.58	21.13	-51.74	9,850.75	2,858.06	8,808.72	8,722.68	86.03	102.387	
7,600.00	6,227.00	6,100.00	6,099.69	66.90	21.13	-51.74	9,850.75	2,858.06	8,708.75	8,622.69	86.06	101.189	
7,700.00	6,227.00	6,100.00	6,099.69	67.24	21.13	-51.74	9,850.75	2,858.06	8,608.79	8,522.70	86.10	99.990	
7,800.00	6,227.00	6,100.00	6,099.69	67.61	21.13	-51.74	9,850.75	2,858.06	8,508.83	8,422.70	86.13	98.791	
7,900.00	6,227.00	6,100.00	6,099.69	68.00	21.13	-51.74	9,850.75	2,858.06	8,408.87	8,322.71	86.16	97.592	
8,000.00	6,227.00	6,100.00	6,099.69	68.43	21.13	-51.74	9,850.75	2,858.06	8,308.92	8,222.72	86.20	96.393	
8,100.00	6,227.00	6,100.00	6,099.69	68.88	21.13	-51.74	9,850.75	2,858.06	8,208.96	8,122.72	86.23	95.193	
8,200.00	6,227.00	6,100.00	6,099.69	69.36	21.13	-51.74	9,850.75	2,858.06	8,109.00	8,022.73	86.27	93.993	
8,300.00	6,227.00	6,100.00	6,099.69	69.88	21.13	-51.74	9,850.75	2,858.06	8,009.05	7,922.74	86.31	92.794	
8,400.00	6,227.00	6,100.00	6,099.69	70.43	21.13	-51.74	9,850.75	2,858.06	7,909.10	7,822.75	86.35	91.594	
8,500.00	6,227.00	6,100.00	6,099.69	71.00	21.13	-51.74	9,850.75	2,858.06	7,809.14	7,722.75	86.39	90.393	
8,600.00	6,227.00	6,100.00	6,099.69	71.62	21.13	-51.74	9,850.75	2,858.06	7,709.19	7,622.76	86.43	89.193	
8,700.00	6,227.00	6,100.00	6,099.69	72.26	21.13	-51.74	9,850.75	2,858.06	7,609.24	7,522.77	86.48	87.993	
8,800.00	6,227.00	6,100.00	6,099.69	72.94	21.13	-51.74	9,850.75	2,858.06	7,509.29	7,422.77	86.52	86.792	
8,900.00	6,227.00	6,100.00	6,099.69	73.66	21.13	-51.74	9,850.75	2,858.06	7,409.35	7,322.78	86.57	85.592	
9,000.00	6,227.00	6,100.00	6,099.69	74.41	21.13	-51.74	9,850.75	2,858.06	7,309.40	7,222.79	86.61	84.391	
9,100.00	6,227.00	6,100.00	6,099.69	75.19	21.13	-51.74	9,850.75	2,858.06	7,209.46	7,122.80	86.66	83.191	
9,200.00	6,227.00	6,100.00	6,099.69	76.01	21.13	-51.74	9,850.75	2,858.06	7,109.52	7,022.80	86.71	81.990	
9,300.00	6,227.00	6,100.00	6,099.69	76.86	21.13	-51.74	9,850.75	2,858.06	7,009.57	6,922.81	86.76	80.790	
9,400.00	6,227.00	6,100.00	6,099.69	77.75	21.13	-51.74	9,850.75	2,858.06	6,909.63	6,822.82	86.82	79.589	
9,500.00	6,227.00	6,100.00	6,099.69	78.67	21.13	-51.74	9,850.75	2,858.06	6,809.70	6,722.83	86.87	78.389	
9,600.00	6,227.00	6,100.00	6,099.69	79.63	21.13	-51.74	9,850.75	2,858.06	6,709.76	6,622.83	86.93	77.188	
9,700.00	6,227.00	6,100.00	6,099.69	80.62	21.13	-51.74	9,850.75	2,858.06	6,609.83	6,522.84	86.99	75.988	
9,800.00	6,227.00	6,100.00	6,099.69	81.64	21.13	-51.74	9,850.75	2,858.06	6,509.90	6,422.85	87.04	74.788	
9,900.00	6,227.00	6,100.00	6,099.69	82.69	21.13	-51.74	9,850.75	2,858.06	6,409.97	6,322.86	87.11	73.588	
10,000.00	6,227.00	6,100.00	6,099.69	83.77	21.13	-51.74	9,850.75	2,858.06	6,310.04	6,222.87	87.17	72.387	
10,100.00	6,227.00	6,100.00	6,099.69	84.88	21.13	-51.74	9,850.75	2,858.06	6,210.12	6,122.88	87.24	71.188	
10,200.00	6,227.00	6,100.00	6,099.69	86.02	21.13	-51.74	9,850.75	2,858.06	6,110.19	6,022.89	87.30	69.988	
10,300.00	6,227.00	6,100.00	6,099.69	87.19	21.13	-51.74	9,850.75	2,858.06	6,010.27	5,922.90	87.37	68.788	
10,400.00	6,227.00	6,100.00	6,099.69	88.38	21.13	-51.74	9,850.75	2,858.06	5,910.36	5,822.91	87.45	67.589	
10,500.00	6,227.00	6,100.00	6,099.69	89.60	21.13	-51.74	9,850.75	2,858.06	5,810.44	5,722.92	87.52	66.390	
10,600.00	6,227.00	6,100.00	6,099.69	90.84	21.13	-51.74	9,850.75	2,858.06	5,710.53	5,622.93	87.60	65.191	
10,700.00	6,227.00	6,100.00	6,099.69	92.11	21.13	-51.74	9,850.75	2,858.06	5,610.62	5,522.95	87.68	63.992	
10,800.00	6,227.00	6,100.00	6,099.69	93.39	21.13	-51.74	9,850.75	2,858.06	5,510.72	5,422.96	87.76	62.793	
10,900.00	6,227.00	6,100.00	6,099.69	94.70	21.13	-51.74	9,850.75	2,858.06	5,410.82	5,322.97	87.84	61.595	
11,000.00	6,227.00	6,100.00	6,099.69	96.03	21.13	-51.74	9,850.75	2,858.06	5,310.92	5,222.99	87.93	60.397	
11,100.00	6,227.00	6,100.00	6,099.69	97.37	21.13	-51.74	9,850.75	2,858.06	5,211.03	5,123.00	88.02	59.200	
11,200.00	6,227.00	6,100.00	6,099.69	98.74	21.13	-51.74	9,850.75	2,858.06	5,111.14	5,023.02	88.12	58.002	
11,300.00	6,227.00	6,100.00	6,099.69	100.12	21.13	-51.74	9,850.75	2,858.06	5,011.25	4,923.03	88.22	56.805	
11,400.00	6,227.00	6,100.00	6,099.69	101.51	21.13	-51.74	9,850.75	2,858.06	4,911.37	4,823.05	88.32	55.609	
11,500.00	6,227.00	6,100.00	6,099.69	102.92	21.13	-51.74	9,850.75	2,858.06	4,811.50	4,723.07	88.43	54.413	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
11,600.00	6,227.00	6,100.00	6,099.69	104.35	21.13	-51.74	9,850.75	2,858.06	4,711.63	4,623.09	88.54	53.217		
11,700.00	6,227.00	6,100.00	6,099.69	105.79	21.13	-51.74	9,850.75	2,858.06	4,611.76	4,523.11	88.65	52.022		
11,800.00	6,227.00	6,100.00	6,099.69	107.24	21.13	-51.74	9,850.75	2,858.06	4,511.90	4,423.13	88.77	50.827		
11,900.00	6,227.00	6,100.00	6,099.69	108.71	21.13	-51.74	9,850.75	2,858.06	4,412.05	4,323.16	88.89	49.632		
12,000.00	6,227.00	6,100.00	6,099.69	110.19	21.13	-51.74	9,850.75	2,858.06	4,312.21	4,223.18	89.02	48.439		
12,100.00	6,227.00	6,100.00	6,099.69	111.68	21.13	-51.74	9,850.75	2,858.06	4,212.37	4,123.21	89.16	47.245		
12,200.00	6,227.00	6,100.00	6,099.69	113.18	21.13	-51.74	9,850.75	2,858.06	4,112.54	4,023.24	89.30	46.052		
12,300.00	6,227.00	6,100.00	6,099.69	114.68	21.13	-51.74	9,850.75	2,858.06	4,012.72	3,923.27	89.45	44.860		
12,400.00	6,227.00	6,100.00	6,099.69	116.20	21.13	-51.74	9,850.75	2,858.06	3,912.91	3,823.30	89.60	43.669		
12,500.00	6,227.00	6,100.00	6,099.69	117.73	21.13	-51.74	9,850.75	2,858.06	3,813.10	3,723.34	89.77	42.478		
12,600.00	6,227.00	6,100.00	6,099.69	119.27	21.13	-51.74	9,850.75	2,858.06	3,713.31	3,623.37	89.94	41.287		
12,700.00	6,227.00	6,100.00	6,099.69	120.81	21.13	-51.74	9,850.75	2,858.06	3,613.53	3,523.41	90.12	40.098		
12,800.00	6,227.00	6,100.00	6,099.69	122.37	21.13	-51.74	9,850.75	2,858.06	3,513.76	3,423.46	90.31	38.909		
12,900.00	6,227.00	6,100.00	6,099.69	123.93	21.13	-51.74	9,850.75	2,858.06	3,414.01	3,323.50	90.51	37.721		
13,000.00	6,227.00	6,100.00	6,099.69	125.49	21.13	-51.74	9,850.75	2,858.06	3,314.27	3,223.55	90.72	36.534		
13,100.00	6,227.00	6,100.00	6,099.69	127.07	21.13	-51.74	9,850.75	2,858.06	3,214.55	3,123.60	90.94	35.347		
13,200.00	6,227.00	6,100.00	6,099.69	128.65	21.13	-51.74	9,850.75	2,858.06	3,114.84	3,023.66	91.18	34.162		
13,300.00	6,227.00	6,100.00	6,099.69	130.24	21.13	-51.74	9,850.75	2,858.06	3,015.16	2,923.72	91.43	32.977		
13,400.00	6,227.00	6,100.00	6,099.69	131.83	21.13	-51.74	9,850.75	2,858.06	2,915.49	2,823.79	91.70	31.794		
13,500.00	6,227.00	6,100.00	6,099.69	133.43	21.13	-51.74	9,850.75	2,858.06	2,815.85	2,723.86	91.99	30.611		
13,600.00	6,227.00	6,100.00	6,099.69	135.03	21.13	-51.74	9,850.75	2,858.06	2,716.24	2,623.94	92.29	29.430		
13,700.00	6,227.00	6,100.00	6,099.69	136.64	21.13	-51.74	9,850.75	2,858.06	2,616.65	2,524.03	92.62	28.250		
13,800.00	6,227.00	6,100.00	6,099.69	138.25	21.13	-51.74	9,850.75	2,858.06	2,517.10	2,424.12	92.98	27.072		
13,900.00	6,227.00	6,100.00	6,099.69	139.87	21.13	-51.74	9,850.75	2,858.06	2,417.59	2,324.22	93.36	25.894		
14,000.00	6,227.00	6,100.00	6,099.69	141.50	21.13	-51.74	9,850.75	2,858.06	2,318.11	2,224.33	93.78	24.719		
14,100.00	6,227.00	6,100.00	6,099.69	143.12	21.13	-51.74	9,850.75	2,858.06	2,218.69	2,124.46	94.23	23.545		
14,200.00	6,227.00	6,100.00	6,099.69	144.76	21.13	-51.74	9,850.75	2,858.06	2,119.32	2,024.59	94.73	22.373		
14,300.00	6,227.00	6,100.00	6,099.69	146.39	21.13	-51.74	9,850.75	2,858.06	2,020.01	1,924.74	95.27	21.203		
14,400.00	6,227.00	6,100.00	6,099.69	148.03	21.13	-51.74	9,850.75	2,858.06	1,920.77	1,824.90	95.87	20.036		
14,500.00	6,227.00	6,100.00	6,099.69	149.67	21.13	-51.74	9,850.75	2,858.06	1,821.61	1,725.08	96.53	18.871		
14,600.00	6,227.00	6,100.00	6,099.69	151.32	21.13	-51.74	9,850.75	2,858.06	1,722.56	1,625.29	97.27	17.710		
14,700.00	6,227.00	6,100.00	6,099.69	152.97	21.13	-51.74	9,850.75	2,858.06	1,623.62	1,525.52	98.09	16.551		
14,800.00	6,227.00	6,100.00	6,099.69	154.62	21.13	-51.74	9,850.75	2,858.06	1,524.81	1,425.78	99.03	15.397		
14,900.00	6,227.00	6,100.00	6,099.69	156.28	21.13	-51.74	9,850.75	2,858.06	1,426.18	1,326.08	100.10	14.248		
15,000.00	6,227.00	6,100.00	6,099.69	157.94	21.13	-51.74	9,850.75	2,858.06	1,327.74	1,226.43	101.32	13.105		
15,100.00	6,227.00	6,100.00	6,099.69	159.60	21.13	-51.74	9,850.75	2,858.06	1,229.56	1,126.83	102.74	11.968		
15,200.00	6,227.00	6,100.00	6,099.69	161.27	21.13	-51.74	9,850.75	2,858.06	1,131.70	1,027.31	104.40	10.840		
15,300.00	6,227.00	6,100.00	6,099.69	162.94	21.13	-51.74	9,850.75	2,858.06	1,034.25	927.88	106.37	9.723		
15,400.00	6,227.00	6,100.00	6,099.69	164.61	21.13	-51.74	9,850.75	2,858.06	937.34	828.59	108.75	8.619		
15,500.00	6,227.00	6,100.00	6,099.69	166.28	21.13	-51.74	9,850.75	2,858.06	841.15	729.50	111.65	7.534		
15,600.00	6,227.00	6,100.00	6,099.69	167.95	21.13	-51.74	9,850.75	2,858.06	745.96	630.70	115.26	6.472		
15,700.00	6,227.00	6,100.00	6,099.69	169.63	21.13	-51.74	9,850.75	2,858.06	652.22	532.39	119.83	5.443		
15,800.00	6,227.00	6,100.00	6,099.69	171.31	21.13	-51.74	9,850.75	2,858.06	560.63	434.93	125.71	4.460		
15,900.00	6,227.00	6,100.00	6,099.69	172.99	21.13	-51.74	9,850.75	2,858.06	472.48	339.12	133.36	3.543		
16,000.00	6,227.00	6,100.00	6,099.69	174.68	21.13	-51.74	9,850.75	2,858.06	390.08	246.89	143.19	2.724		
16,100.00	6,227.00	6,100.00	6,099.69	176.36	21.13	-51.74	9,850.75	2,858.06	317.94	163.28	154.66	2.056		
16,200.00	6,227.00	6,100.00	6,099.69	178.05	21.13	-51.74	9,850.75	2,858.06	264.60	101.02	163.58	1.618		
16,300.00	6,227.00	6,100.00	6,099.69	179.74	21.13	-51.74	9,850.75	2,858.06	242.78	83.36	159.42	1.523 ES, SF		
16,305.37	6,227.00	6,100.00	6,099.69	179.83	21.13	-51.74	9,850.75	2,858.06	242.72	84.07	158.64	1.530 CC		
16,400.00	6,227.00	6,100.00	6,099.69	181.43	21.13	-51.74	9,850.75	2,858.06	260.51	122.62	137.89	1.889		
16,500.00	6,227.00	6,100.00	6,099.69	183.13	21.13	-51.74	9,850.75	2,858.06	311.11	198.62	112.49	2.766		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	184.82	21.13	-51.74	9,850.75	2,858.06	381.73	287.89	93.84	4.068	
16,700.00	6,227.00	6,100.00	6,099.69	186.52	21.13	-51.74	9,850.75	2,858.06	463.30	380.64	82.66	5.605	
16,800.00	6,227.00	6,100.00	6,099.69	188.22	21.13	-51.74	9,850.75	2,858.06	550.97	474.30	76.67	7.187	
16,900.00	6,227.00	6,100.00	6,099.69	189.92	21.13	-51.74	9,850.75	2,858.06	642.26	568.50	73.76	8.707	
17,000.81	6,227.00	6,100.00	6,099.69	191.63	21.13	-51.74	9,850.75	2,858.06	736.58	664.01	72.56	10.151	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	6.77	6,042.08	717.70	6,084.56				
100.00	100.00	120.42	120.42	0.27	0.21	6.77	6,042.03	717.74	6,084.51	6,084.03	0.48	N/A	
200.00	200.00	225.13	225.13	0.63	0.39	6.78	6,041.88	717.85	6,084.38	6,083.36	1.02	5,970.400	
300.00	300.00	329.85	329.85	0.99	0.57	6.78	6,041.64	718.03	6,084.18	6,082.62	1.56	3,900.686	
400.00	399.98	434.54	434.54	1.34	0.76	-76.63	6,041.31	718.28	6,083.49	6,081.40	2.09	2,904.824	
500.00	499.84	540.08	540.08	1.69	0.99	-76.71	6,040.89	718.59	6,081.92	6,079.23	2.69	2,264.959	
600.00	599.45	636.58	636.57	2.06	1.34	-76.83	6,040.44	718.72	6,079.47	6,076.07	3.39	1,791.194	
700.00	698.70	716.03	716.03	2.44	1.61	-76.97	6,040.29	718.65	6,076.49	6,072.43	4.05	1,499.283	
800.00	797.47	1,288.73	1,287.98	2.85	3.66	-77.90	6,017.33	720.98	6,069.04	6,062.57	6.48	936.788	
900.00	895.62	1,358.00	1,356.95	3.29	3.92	-78.22	6,011.64	724.12	6,057.26	6,050.10	7.16	845.865	
1,000.00	993.06	1,428.62	1,427.19	3.76	4.19	-78.56	6,006.02	728.78	6,045.27	6,037.38	7.88	766.747	
1,100.00	1,089.64	1,613.91	1,611.13	4.27	4.90	-79.11	5,990.13	744.42	6,032.18	6,023.11	9.07	665.166	
1,200.00	1,185.27	1,801.16	1,796.37	4.83	5.65	-79.73	5,970.62	763.54	6,016.69	6,006.36	10.32	582.785	
1,300.00	1,279.82	1,924.49	1,918.24	5.45	6.16	-80.31	5,956.80	776.50	6,000.09	5,988.69	11.40	526.337	
1,400.00	1,373.17	2,051.39	2,043.58	6.12	6.70	-80.97	5,941.77	789.35	5,982.29	5,969.74	12.55	476.791	
1,500.00	1,465.21	2,124.79	2,116.14	6.85	7.01	-81.54	5,933.16	796.29	5,964.18	5,950.63	13.55	440.082	
1,600.00	1,555.84	2,196.00	2,186.58	7.65	7.31	-82.13	5,925.12	803.03	5,946.11	5,931.50	14.61	406.874	
1,700.00	1,644.94	2,271.96	2,261.73	8.51	7.63	-82.76	5,916.77	810.26	5,928.06	5,912.29	15.76	376.095	
1,800.00	1,732.39	2,461.88	2,449.57	9.45	8.44	-83.89	5,894.51	827.33	5,909.09	5,891.69	17.40	339.582	
1,827.18	1,755.86	2,500.77	2,487.99	9.72	8.61	-84.16	5,889.58	830.78	5,903.69	5,885.88	17.81	331.475	
1,900.00	1,818.58	2,632.25	2,617.80	10.44	9.19	-84.71	5,871.95	841.99	5,888.74	5,869.72	19.02	309.632	
2,000.00	1,904.71	2,757.00	2,740.78	11.46	9.74	-85.24	5,853.98	852.66	5,867.56	5,847.07	20.49	286.365	
2,100.00	1,990.83	2,803.15	2,786.29	12.49	9.95	-85.44	5,847.43	856.60	5,846.98	5,825.29	21.69	269.531	
2,200.00	2,076.96	2,851.00	2,833.56	13.53	10.16	-85.65	5,841.04	860.46	5,827.38	5,804.47	22.92	254.298	
2,300.00	2,163.08	2,902.05	2,884.02	14.57	10.38	-85.87	5,834.56	864.60	5,808.69	5,784.53	24.16	240.434	
2,400.00	2,249.21	2,944.00	2,925.50	15.62	10.56	-86.05	5,829.42	868.22	5,790.83	5,765.45	25.38	228.173	
2,500.00	2,335.33	2,993.73	2,974.71	16.68	10.77	-86.27	5,823.69	872.52	5,773.93	5,747.30	26.63	216.794	
2,600.00	2,421.45	3,038.00	3,018.58	17.74	10.96	-86.46	5,819.04	876.18	5,758.13	5,730.26	27.87	206.579	
2,700.00	2,507.58	3,085.64	3,065.84	18.81	11.16	-86.67	5,814.39	880.02	5,743.32	5,714.19	29.13	197.167	
2,800.00	2,593.70	3,142.57	3,122.35	19.87	11.40	-86.92	5,809.17	884.58	5,729.38	5,698.95	30.42	188.336	
2,900.00	2,679.83	3,214.35	3,193.60	20.94	11.69	-87.24	5,802.86	890.46	5,716.13	5,684.36	31.77	179.935	
3,000.00	2,765.95	3,263.60	3,235.37	22.01	14.14	-89.60	5,734.56	946.71	5,700.58	5,665.83	34.75	164.059	
3,100.00	2,852.08	3,331.86	3,302.25	23.09	14.47	-89.89	5,723.36	954.51	5,681.02	5,644.92	36.10	157.380	
3,200.00	2,938.20	3,383.00	3,352.42	24.16	14.72	-90.12	5,715.16	960.06	5,662.17	5,624.78	37.39	151.421	
3,300.00	3,024.32	3,422.82	3,391.56	25.24	14.90	-90.29	5,709.07	964.18	5,644.33	5,605.68	38.65	146.028	
3,400.00	3,110.45	3,476.00	3,443.96	26.32	15.15	-90.53	5,701.64	969.33	5,627.78	5,587.83	39.95	140.853	
3,500.00	3,196.57	3,526.00	3,493.96	27.40	15.15	-90.53	5,701.64	969.33	5,612.30	5,571.21	41.09	136.596	
3,600.00	3,282.70	4,036.87	4,004.08	28.48	15.42	-90.80	5,693.95	975.01	5,597.88	5,555.46	42.41	131.986	
3,700.00	3,368.82	4,070.00	4,036.83	29.56	15.56	-90.95	5,690.06	978.11	5,584.59	5,540.95	43.65	127.945	
3,800.00	3,454.95	4,143.60	4,109.65	30.64	15.88	-91.28	5,681.89	985.06	5,572.14	5,527.13	45.02	123.784	
3,900.00	3,541.07	4,243.31	4,208.33	31.72	16.32	-91.73	5,671.16	994.40	5,560.32	5,513.85	46.46	119.667	
4,000.00	3,627.19	4,385.90	4,349.39	32.80	16.94	-92.39	5,654.55	1,007.03	5,547.99	5,499.95	48.05	115.475	
4,100.00	3,713.32	4,457.92	4,420.63	33.89	17.26	-92.72	5,646.02	1,013.29	5,535.95	5,486.54	49.40	112.059	
4,200.00	3,799.44	4,529.78	4,491.75	34.97	17.57	-93.06	5,637.71	1,019.39	5,524.52	5,473.77	50.76	108.843	
4,300.00	3,885.57	4,589.94	4,551.33	36.05	17.83	-93.34	5,630.96	1,024.19	5,513.82	5,461.75	52.07	105.889	
4,400.00	3,971.69	4,656.62	4,617.46	37.14	18.11	-93.66	5,623.77	1,028.93	5,503.95	5,450.55	53.40	103.065	
4,500.00	4,057.82	4,788.45	4,748.16	38.22	18.67	-94.30	5,609.50	1,038.49	5,494.50	5,439.58	54.93	100.033	
4,600.00	4,143.94	4,820.00	4,779.40	39.31	18.81	-94.45	5,605.85	1,040.92	5,485.06	5,428.91	56.15	97.685	
4,700.00	4,230.06	4,878.95	4,831.84	40.39	19.05	-94.73	5,599.46	1,045.21	5,476.49	5,419.04	57.45	95.326	
4,800.00	4,316.19	4,914.00	4,872.67	41.48	19.20	-94.90	5,596.18	1,047.50	5,469.44	5,410.76	58.67	93.219	
4,900.00	4,402.31	4,914.00	4,872.67	42.57	19.20	-94.90	5,596.18	1,047.50	5,463.89	5,404.11	59.78	91.405	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 24-21-24HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 511-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.00	4,488.44	4,972.78	4,931.17	43.65	19.43	-95.20	5,591.51	1,050.85	5,459.28	5,398.22	61.06	89.415	
5,100.00	4,574.56	5,008.00	4,966.27	44.74	19.57	-95.37	5,589.23	1,052.56	5,456.19	5,393.93	62.25	87.645	
5,200.00	4,660.69	5,049.08	5,007.25	45.83	19.72	-95.58	5,586.89	1,054.31	5,454.32	5,390.86	63.46	85.950	
5,300.00	4,746.81	5,100.00	5,058.07	46.91	19.91	-95.84	5,584.30	1,056.16	5,453.54	5,388.85	64.69	84.302	
5,316.70	4,761.19	5,100.00	5,058.07	47.09	19.91	-95.84	5,584.30	1,056.16	5,453.51	5,388.65	64.87	84.072	
5,400.00	4,832.93	5,138.88	5,098.89	48.00	20.04	-96.04	5,582.60	1,057.34	5,453.86	5,387.99	65.87	82.796	
5,500.00	4,919.06	5,192.00	5,149.96	49.09	20.23	-96.31	5,580.68	1,058.68	5,455.37	5,388.28	67.09	81.311	
5,600.00	5,005.18	5,241.70	5,199.63	50.17	20.40	-96.57	5,579.16	1,059.67	5,457.88	5,389.59	68.29	79.919	
5,700.00	5,091.31	5,286.00	5,243.90	51.26	20.55	-96.80	5,577.89	1,060.39	5,461.26	5,391.79	69.47	78.618	
5,800.00	5,177.43	5,342.00	5,299.88	52.35	20.74	-97.09	5,576.66	1,061.26	5,465.63	5,394.96	70.67	77.339	
5,900.00	5,263.56	5,379.00	5,336.87	53.44	20.86	-97.28	5,576.20	1,061.87	5,471.21	5,399.41	71.80	76.203	
6,000.00	5,349.68	5,454.60	5,412.46	54.53	21.11	-97.67	5,575.75	1,063.29	5,477.67	5,404.61	73.06	74.974	
6,100.00	5,435.80	5,544.81	5,502.65	55.61	21.40	-98.13	5,575.43	1,065.03	5,484.75	5,410.38	74.37	73.747	
6,200.00	5,521.93	5,565.00	5,522.84	56.70	21.46	-98.24	5,575.32	1,065.38	5,492.60	5,417.19	75.41	72.837	
6,300.00	5,608.05	5,606.24	5,564.07	57.79	21.59	-98.45	5,575.59	1,066.23	5,501.64	5,425.13	76.51	71.906	
6,400.00	5,694.18	5,645.00	5,602.79	58.88	21.71	-98.64	5,576.75	1,067.32	5,512.30	5,434.71	77.59	71.041	
6,479.32	5,762.49	5,645.00	5,602.79	59.74	21.71	-98.64	5,576.75	1,067.32	5,521.63	5,443.32	78.31	70.508	
6,500.00	5,780.28	5,645.00	5,602.79	59.97	21.71	-95.12	5,576.75	1,067.32	5,523.89	5,445.39	78.50	70.370	
6,550.00	5,822.98	5,645.00	5,602.79	60.51	21.71	-87.07	5,576.75	1,067.32	5,526.68	5,447.73	78.95	70.003	
6,600.00	5,865.00	5,660.73	5,618.49	61.05	21.75	-79.94	5,577.57	1,067.88	5,525.55	5,446.07	79.47	69.528	
6,650.00	5,906.01	5,676.00	5,633.71	61.57	21.80	-73.80	5,578.68	1,068.51	5,520.72	5,440.73	79.99	69.015	
6,700.00	5,945.70	5,676.00	5,633.71	62.08	21.80	-68.59	5,578.68	1,068.51	5,512.01	5,431.57	80.44	68.527	
6,750.00	5,983.77	5,676.00	5,633.71	62.56	21.80	-64.34	5,578.68	1,068.51	5,499.61	5,418.74	80.86	68.010	
6,800.00	6,019.92	5,687.98	5,645.62	63.02	21.83	-61.03	5,579.73	1,069.07	5,483.53	5,402.20	81.33	67.419	
6,850.00	6,053.90	5,707.00	5,664.53	63.45	21.88	-58.55	5,581.62	1,070.05	5,463.92	5,382.10	81.82	66.778	
6,900.00	6,085.42	5,707.00	5,664.53	63.86	21.88	-56.66	5,581.62	1,070.05	5,440.76	5,358.57	82.20	66.193	
6,950.00	6,114.26	5,707.00	5,664.53	64.23	21.88	-55.42	5,581.62	1,070.05	5,414.34	5,331.79	82.55	65.591	
7,000.00	6,140.20	5,707.00	5,664.53	64.58	21.88	-54.80	5,581.62	1,070.05	5,384.80	5,301.92	82.87	64.976	
7,050.00	6,163.03	5,707.00	5,664.53	64.89	21.88	-54.81	5,581.62	1,070.05	5,352.31	5,269.14	83.18	64.350	
7,100.00	6,182.59	5,707.00	5,664.53	65.17	21.88	-55.49	5,581.62	1,070.05	5,317.09	5,233.64	83.45	63.714	
7,150.00	6,198.73	5,722.61	5,680.00	65.42	21.92	-57.11	5,583.48	1,070.93	5,279.15	5,195.36	83.79	63.005	
7,200.00	6,211.32	5,737.00	5,694.22	65.65	21.96	-59.68	5,585.52	1,071.79	5,239.16	5,155.06	84.10	62.298	
7,250.00	6,220.26	5,737.00	5,694.22	65.84	21.96	-63.19	5,585.52	1,071.79	5,196.99	5,112.68	84.31	61.642	
7,300.00	6,225.50	5,737.00	5,694.22	66.01	21.96	-68.21	5,585.52	1,071.79	5,153.07	5,068.57	84.50	60.984	
7,344.70	6,227.00	5,737.00	5,694.22	66.14	21.96	-74.40	5,585.52	1,071.79	5,112.58	5,027.92	84.65	60.394	
7,400.00	6,227.00	5,737.00	5,694.22	66.29	21.96	-74.40	5,585.52	1,071.79	5,061.91	4,977.07	84.84	59.667	
7,500.00	6,227.00	5,737.00	5,694.22	66.58	21.96	-74.40	5,585.52	1,071.79	4,970.52	4,885.35	85.18	58.356	
7,600.00	6,227.00	5,737.00	5,694.22	66.90	21.96	-74.40	5,585.52	1,071.79	4,879.48	4,793.95	85.53	57.049	
7,700.00	6,227.00	5,737.00	5,694.22	67.24	21.96	-74.40	5,585.52	1,071.79	4,788.79	4,702.89	85.90	55.748	
7,800.00	6,227.00	5,737.00	5,694.22	67.61	21.96	-74.40	5,585.52	1,071.79	4,698.48	4,612.20	86.29	54.453	
7,900.00	6,227.00	5,737.00	5,694.22	68.00	21.96	-74.40	5,585.52	1,071.79	4,608.57	4,521.89	86.69	53.163	
8,000.00	6,227.00	5,737.00	5,694.22	68.43	21.96	-74.40	5,585.52	1,071.79	4,519.09	4,431.98	87.11	51.880	
8,100.00	6,227.00	5,737.00	5,694.22	68.88	21.96	-74.40	5,585.52	1,071.79	4,430.05	4,342.51	87.54	50.603	
8,200.00	6,227.00	5,737.00	5,694.22	69.36	21.96	-74.40	5,585.52	1,071.79	4,341.50	4,253.49	88.00	49.334	
8,300.00	6,227.00	5,737.00	5,694.22	69.88	21.96	-74.40	5,585.52	1,071.79	4,253.44	4,164.97	88.48	48.073	
8,400.00	6,227.00	5,752.42	5,709.39	70.43	21.99	-74.80	5,588.09	1,072.78	4,165.75	4,076.67	89.08	46.766	
8,500.00	6,227.00	5,768.00	5,724.64	71.00	22.03	-75.21	5,591.09	1,073.87	4,078.86	3,989.16	89.70	45.471	
8,600.00	6,227.00	5,768.00	5,724.64	71.62	22.03	-75.21	5,591.09	1,073.87	3,992.40	3,902.15	90.25	44.237	
8,700.00	6,227.00	5,768.00	5,724.64	72.26	22.03	-75.21	5,591.09	1,073.87	3,906.57	3,815.75	90.82	43.014	
8,800.00	6,227.00	5,768.00	5,724.64	72.94	22.03	-75.21	5,591.09	1,073.87	3,821.44	3,730.02	91.42	41.802	
8,900.00	6,227.00	5,768.00	5,724.64	73.66	22.03	-75.21	5,591.09	1,073.87	3,737.05	3,645.00	92.04	40.602	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 24-21-24HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 511-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	5,768.00	5,724.64	74.41	22.03	-75.21	5,591.09	1,073.87	3,653.44	3,560.75	92.69	39.415	
9,100.00	6,227.00	5,780.22	5,736.56	75.19	22.06	-75.53	5,593.67	1,074.78	3,570.60	3,477.14	93.46	38.203	
9,200.00	6,227.00	5,786.70	5,742.86	76.01	22.07	-75.70	5,595.09	1,075.27	3,488.64	3,394.42	94.22	37.025	
9,300.00	6,227.00	5,799.00	5,754.79	76.86	22.10	-76.02	5,597.90	1,076.23	3,407.62	3,312.56	95.06	35.846	
9,400.00	6,227.00	5,799.00	5,754.79	77.75	22.10	-76.02	5,597.90	1,076.23	3,327.55	3,231.71	95.84	34.720	
9,500.00	6,227.00	5,799.00	5,754.79	78.67	22.10	-76.02	5,597.90	1,076.23	3,248.59	3,151.94	96.65	33.612	
9,600.00	6,227.00	5,812.76	5,768.10	79.63	22.12	-76.38	5,601.21	1,077.31	3,170.70	3,073.09	97.61	32.484	
9,700.00	6,227.00	5,830.00	5,784.71	80.62	22.16	-76.84	5,605.64	1,078.63	3,094.13	2,995.50	98.63	31.370	
9,800.00	6,227.00	5,830.00	5,784.71	81.64	22.16	-76.84	5,605.64	1,078.63	3,018.75	2,919.20	99.55	30.324	
9,900.00	6,227.00	5,830.00	5,784.71	82.69	22.16	-76.84	5,605.64	1,078.63	2,944.83	2,844.33	100.50	29.302	
10,000.00	6,227.00	5,830.00	5,784.71	83.77	22.16	-76.84	5,605.64	1,078.63	2,872.49	2,771.01	101.48	28.306	
10,100.00	6,227.00	5,847.94	5,801.92	84.88	22.19	-77.31	5,610.55	1,079.92	2,801.64	2,698.97	102.67	27.289	
10,200.00	6,227.00	5,862.00	5,815.35	86.02	22.22	-77.68	5,614.61	1,080.85	2,732.64	2,628.79	103.85	26.313	
10,300.00	6,227.00	5,862.00	5,815.35	87.19	22.22	-77.68	5,614.61	1,080.85	2,665.46	2,560.53	104.93	25.402	
10,400.00	6,227.00	5,862.00	5,815.35	88.38	22.22	-77.68	5,614.61	1,080.85	2,600.40	2,494.37	106.03	24.525	
10,500.00	6,227.00	5,881.16	5,833.57	89.60	22.25	-78.18	5,620.41	1,081.95	2,537.36	2,430.00	107.36	23.634	
10,600.00	6,227.00	5,893.00	5,844.80	90.84	22.27	-78.49	5,624.14	1,082.53	2,476.73	2,368.09	108.64	22.798	
10,700.00	6,227.00	5,903.40	5,854.63	92.11	22.29	-78.77	5,627.50	1,082.99	2,418.55	2,308.64	109.91	22.005	
10,800.00	6,227.00	5,924.00	5,874.03	93.39	22.32	-79.31	5,634.37	1,083.88	2,363.00	2,251.69	111.31	21.228	
10,900.00	6,227.00	5,935.79	5,885.07	94.70	22.34	-79.63	5,638.45	1,084.39	2,310.18	2,197.57	112.61	20.515	
11,000.00	6,227.00	5,955.00	5,902.99	96.03	22.37	-80.13	5,645.35	1,085.25	2,260.28	2,146.29	113.99	19.828	
11,100.00	6,227.00	5,969.22	5,916.15	97.37	22.39	-80.50	5,650.68	1,085.88	2,213.50	2,098.22	115.29	19.200	
11,200.00	6,227.00	5,985.00	5,930.65	98.74	22.42	-80.92	5,656.87	1,086.55	2,170.06	2,053.49	116.57	18.616	
11,300.00	6,227.00	6,016.00	5,958.80	100.12	22.46	-81.72	5,669.78	1,087.94	2,130.05	2,012.04	118.02	18.049	
11,400.00	6,227.00	6,048.00	5,987.35	101.51	22.50	-82.54	5,684.12	1,089.70	2,093.38	1,973.96	119.42	17.529	
11,500.00	6,227.00	6,114.99	6,045.44	102.92	22.58	-84.21	5,717.11	1,094.55	2,060.09	1,938.82	121.27	16.987	
11,600.00	6,227.00	6,185.21	6,103.99	104.35	22.66	-85.91	5,755.08	1,102.13	2,029.00	1,905.91	123.10	16.483	
11,700.00	6,227.00	6,244.51	6,150.82	105.79	22.72	-87.29	5,790.50	1,110.18	2,000.46	1,875.75	124.71	16.041	
11,800.00	6,227.00	6,276.32	6,174.36	107.24	22.75	-87.98	5,811.40	1,114.75	1,975.29	1,849.44	125.85	15.695	
11,900.00	6,227.00	6,304.92	6,194.71	108.71	22.77	-88.59	5,831.14	1,118.52	1,953.94	1,827.09	126.85	15.404	
12,000.00	6,227.00	6,335.92	6,215.62	110.19	22.79	-89.21	5,853.71	1,122.22	1,936.40	1,808.63	127.77	15.155	
12,100.00	6,227.00	6,369.95	6,237.18	111.68	22.80	-89.86	5,879.81	1,125.70	1,922.71	1,794.08	128.63	14.947	
12,200.00	6,227.00	6,420.00	6,265.60	113.18	22.82	-90.71	5,920.73	1,130.19	1,912.40	1,782.71	129.70	14.745	
12,300.00	6,227.00	6,470.33	6,289.57	114.68	22.84	-91.43	5,964.79	1,134.02	1,905.04	1,774.33	130.71	14.574	
12,400.00	6,227.00	6,513.00	6,306.18	116.20	22.87	-91.94	6,004.00	1,136.50	1,900.53	1,769.03	131.50	14.453	
12,500.00	6,227.00	6,564.42	6,322.05	117.73	22.92	-92.42	6,052.87	1,138.04	1,899.04	1,766.62	132.42	14.341	
12,592.48	6,227.00	6,657.35	6,340.46	119.15	23.15	-92.97	6,143.84	1,139.74	1,898.52	1,764.13	134.38	14.128 CC	
12,600.00	6,227.00	6,661.26	6,340.88	119.27	23.17	-92.99	6,147.72	1,139.78	1,898.52	1,764.07	134.45	14.120 ES	
12,700.00	6,227.00	6,724.68	6,345.02	120.81	23.42	-93.11	6,210.99	1,139.19	1,899.98	1,764.31	135.67	14.005	
12,800.00	6,227.00	6,803.17	6,346.99	122.37	23.83	-93.16	6,289.43	1,137.39	1,902.73	1,765.43	137.30	13.858	
12,900.00	6,227.00	6,892.00	6,346.47	123.93	24.40	-93.14	6,378.21	1,134.35	1,906.44	1,767.16	139.28	13.688	
13,000.00	6,227.00	6,999.79	6,345.80	125.49	25.20	-93.12	6,485.92	1,130.40	1,910.44	1,768.51	141.93	13.461	
13,100.00	6,227.00	7,068.38	6,344.76	127.07	25.77	-93.08	6,554.44	1,127.73	1,914.62	1,771.17	143.45	13.347	
13,200.00	6,227.00	7,187.25	6,344.05	128.65	26.86	-93.05	6,673.21	1,122.79	1,919.07	1,772.41	146.66	13.085	
13,300.00	6,227.00	7,267.17	6,344.25	130.24	27.65	-93.05	6,753.03	1,118.98	1,924.09	1,775.42	148.68	12.941	
13,400.00	6,227.00	7,299.00	6,344.19	131.83	27.98	-93.05	6,784.80	1,117.04	1,930.82	1,781.81	149.00	12.958	
13,500.00	6,227.00	7,354.27	6,344.67	133.43	28.57	-93.05	6,839.82	1,111.87	1,940.56	1,790.46	150.11	12.928	
13,600.00	6,227.00	7,477.60	6,347.13	135.03	29.97	-93.10	6,962.53	1,099.80	1,950.78	1,796.92	153.85	12.679	
13,700.00	6,227.00	7,567.31	6,350.13	136.64	31.04	-93.18	7,051.79	1,091.37	1,960.69	1,804.31	156.38	12.538	
13,800.00	6,227.00	7,664.54	6,354.03	138.25	32.26	-93.28	7,148.44	1,081.56	1,971.34	1,812.08	159.25	12.379	
13,900.00	6,227.00	7,780.37	6,357.55	139.87	33.77	-93.36	7,263.72	1,070.88	1,981.05	1,818.12	162.93	12.159	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
14,000.00	6,227.00	7,861.00	6,357.56	141.50	34.85	-93.35	7,344.00	1,063.41	1,990.71	1,825.50	165.21	12.050	
14,100.00	6,227.00	7,909.16	6,357.74	143.12	35.51	-93.34	7,391.87	1,058.21	2,002.15	1,836.02	166.13	12.052	
14,200.00	6,227.00	7,960.17	6,357.76	144.76	36.22	-93.33	7,442.36	1,050.95	2,016.50	1,849.39	167.11	12.067	
14,300.00	6,227.00	8,131.35	6,354.37	146.39	38.67	-93.20	7,611.92	1,028.05	2,030.12	1,856.71	173.40	11.707	
14,400.00	6,227.00	8,216.65	6,349.10	148.03	39.94	-93.03	7,696.41	1,017.54	2,042.43	1,866.47	175.96	11.607	
14,500.00	6,227.00	8,373.94	6,342.14	149.67	42.31	-92.81	7,852.71	1,001.70	2,052.10	1,870.45	181.65	11.297	
14,600.00	6,227.00	8,442.70	6,341.27	151.32	43.36	-92.78	7,921.08	994.46	2,062.79	1,879.21	183.58	11.237	
14,700.00	6,227.00	8,510.90	6,341.31	152.97	44.42	-92.77	7,988.82	986.53	2,074.75	1,889.28	185.47	11.187	
14,800.00	6,227.00	8,606.91	6,344.09	154.62	45.92	-92.83	8,084.05	974.67	2,087.57	1,898.96	188.61	11.068	
14,900.00	6,227.00	8,840.34	6,351.72	156.28	49.62	-93.01	8,316.33	953.29	2,097.25	1,899.60	197.65	10.611	
15,000.00	6,227.00	9,077.00	6,348.92	157.94	53.41	-92.92	8,552.77	945.47	2,101.35	1,895.23	206.11	10.195	
15,100.00	6,227.00	9,217.98	6,348.52	159.60	55.67	-92.91	8,693.72	947.11	2,100.60	1,889.75	210.84	9.963	
15,200.00	6,227.00	9,398.77	6,348.31	161.27	58.56	-92.91	8,874.30	955.27	2,096.22	1,879.50	216.72	9.672	
15,300.00	6,227.00	9,494.03	6,346.98	162.94	60.08	-92.88	8,969.34	961.46	2,090.03	1,870.11	219.92	9.504	
15,400.00	6,227.00	9,544.00	6,345.54	164.61	60.89	-92.85	9,019.25	963.68	2,085.71	1,864.00	221.71	9.407	
15,500.00	6,227.00	9,621.21	6,344.67	166.28	62.15	-92.83	9,096.41	965.87	2,083.13	1,858.81	224.32	9.286	
15,600.00	6,227.00	9,739.38	6,345.36	167.95	64.08	-92.85	9,214.49	970.32	2,079.60	1,851.30	228.30	9.109	
15,700.00	6,227.00	9,800.99	6,346.08	169.63	65.10	-92.87	9,276.08	971.72	2,077.65	1,847.26	230.39	9.018	
15,800.00	6,227.00	9,902.75	6,345.99	171.31	66.78	-92.87	9,377.82	973.27	2,076.47	1,842.63	233.84	8.880	
15,887.66	6,227.00	9,964.53	6,345.56	172.79	67.81	-92.86	9,439.60	973.97	2,075.81	1,839.90	235.91	8.799	
15,900.00	6,227.00	9,970.97	6,345.50	172.99	67.92	-92.86	9,446.04	973.97	2,075.83	1,839.71	236.12	8.792	
16,000.00	6,227.00	10,042.00	6,344.03	174.68	69.11	-92.82	9,517.05	973.80	2,076.46	1,838.01	238.45	8.708	
16,100.00	6,227.00	10,147.45	6,342.40	176.36	70.88	-92.77	9,622.47	972.38	2,078.08	1,836.01	242.08	8.584	
16,200.00	6,227.00	10,261.93	6,342.44	178.05	72.80	-92.77	9,736.95	971.88	2,078.82	1,832.78	246.04	8.449	
16,300.00	6,227.00	10,360.08	6,341.96	179.74	74.46	-92.75	9,835.09	971.13	2,079.91	1,830.51	249.40	8.340	
16,400.00	6,227.00	10,447.00	6,341.56	181.43	75.93	-92.74	9,922.01	970.30	2,081.17	1,828.82	252.35	8.247	
16,500.00	6,227.00	10,596.60	6,336.99	183.13	78.47	-92.62	10,071.52	969.84	2,081.81	1,824.22	257.59	8.082	
16,600.00	6,227.00	10,678.50	6,334.02	184.82	79.86	-92.53	10,153.34	970.72	2,080.99	1,820.61	260.38	7.992	
16,700.00	6,227.00	10,799.76	6,332.53	186.52	81.91	-92.49	10,274.56	972.13	2,080.06	1,815.48	264.58	7.862	
16,800.00	6,227.00	10,898.00	6,331.14	188.22	83.58	-92.46	10,372.77	974.26	2,078.20	1,810.24	267.95	7.756 SF	
16,820.83	6,227.00	10,898.00	6,331.14	188.57	83.58	-92.46	10,372.77	974.26	2,078.09	1,810.17	267.92	7.756	
16,900.00	6,227.00	10,898.00	6,331.14	189.92	83.58	-92.46	10,372.77	974.26	2,079.60	1,812.01	267.59	7.772	
17,000.81	6,227.00	10,898.00	6,331.14	191.63	83.58	-92.46	10,372.77	974.26	2,085.87	1,819.22	266.65	7.823	



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
0.00	0.00	17.61	17.61	0.00	0.03	8.04	6,042.09	853.10	6,102.02				
100.00	100.00	127.66	127.66	0.27	0.22	8.04	6,041.98	853.02	6,101.91	6,101.42	0.49	N/A	
200.00	200.00	237.71	237.71	0.63	0.41	8.03	6,041.70	852.81	6,101.63	6,100.59	1.04	5,870.189	
300.00	300.00	347.77	347.76	0.99	0.60	8.03	6,041.26	852.48	6,101.20	6,099.61	1.59	3,840.489	
400.00	399.98	457.78	457.78	1.34	0.79	-75.39	6,040.66	852.03	6,100.15	6,098.02	2.13	2,861.596	
500.00	499.84	594.13	594.12	1.69	1.19	-75.50	6,039.51	851.31	6,097.95	6,095.08	2.88	2,120.154	
600.00	599.45	695.00	694.98	2.06	1.55	-75.65	6,038.24	850.71	6,094.44	6,090.84	3.60	1,691.023	
700.00	698.70	772.34	772.31	2.44	1.83	-75.82	6,037.44	850.05	6,090.28	6,086.01	4.26	1,428.414	
800.00	797.47	904.18	904.14	2.85	2.30	-76.12	6,036.00	848.59	6,085.19	6,080.05	5.14	1,183.526	
900.00	895.62	971.00	970.95	3.29	2.54	-76.36	6,035.14	847.81	6,079.19	6,073.37	5.82	1,045.379	
1,000.00	993.06	1,013.94	1,013.88	3.76	2.69	-76.57	6,034.88	847.43	6,073.17	6,066.74	6.43	944.389	
1,100.00	1,089.64	1,063.00	1,062.94	4.27	2.85	-76.80	6,035.21	847.37	6,067.50	6,060.40	7.11	853.676	
1,200.00	1,185.27	1,063.00	1,062.94	4.83	2.85	-76.90	6,035.21	847.37	6,062.12	6,054.46	7.66	791.185	
1,300.00	1,279.82	1,107.66	1,107.59	5.45	3.00	-77.13	6,036.18	847.73	6,057.05	6,048.63	8.42	719.791	
1,400.00	1,373.17	1,154.00	1,153.89	6.12	3.15	-77.37	6,037.94	848.60	6,052.57	6,043.34	9.23	655.833	
1,500.00	1,465.21	1,154.00	1,153.89	6.85	3.15	-77.45	6,037.94	848.60	6,048.38	6,038.43	9.95	607.960	
1,600.00	1,555.84	1,206.28	1,206.08	7.65	3.33	-77.72	6,040.67	850.07	6,044.55	6,033.64	10.91	554.099	
1,700.00	1,644.94	1,246.00	1,245.69	8.51	3.46	-77.94	6,043.13	851.48	6,041.08	6,029.19	11.89	507.928	
1,800.00	1,732.39	1,416.50	1,415.85	9.45	4.05	-78.78	6,053.45	854.46	6,036.95	6,023.54	13.41	450.213	
1,827.18	1,755.86	1,479.86	1,479.12	9.72	4.27	-79.10	6,056.73	854.83	6,035.56	6,021.66	13.89	434.379	
1,900.00	1,818.58	1,555.13	1,554.31	10.44	4.53	-79.46	6,060.15	855.09	6,031.45	6,016.57	14.88	405.367	
2,000.00	1,904.71	1,616.00	1,615.10	11.46	4.74	-79.75	6,063.15	855.02	6,026.50	6,010.40	16.10	374.340	
2,100.00	1,990.83	1,707.00	1,706.00	12.49	5.07	-80.19	6,067.51	854.80	6,021.84	6,004.39	17.44	345.245	
2,200.00	2,076.96	1,762.16	1,761.08	13.53	5.26	-80.46	6,070.26	854.35	6,017.85	5,999.18	18.67	322.333	
2,300.00	2,163.08	1,801.84	1,800.69	14.57	5.40	-80.66	6,072.65	853.60	6,015.04	5,995.19	19.85	303.032	
2,400.00	2,249.21	1,918.50	1,917.12	15.62	5.82	-81.24	6,079.53	851.01	6,012.52	5,991.20	21.32	282.026	
2,500.00	2,335.33	1,987.00	1,985.46	16.68	6.07	-81.58	6,083.82	849.17	6,010.78	5,988.16	22.62	265.739	
2,600.00	2,421.45	2,051.84	2,050.13	17.74	6.30	-81.91	6,088.08	847.47	6,009.76	5,985.85	23.91	251.341	
2,700.00	2,507.58	2,243.74	2,241.70	18.81	7.00	-82.86	6,098.77	843.72	6,008.39	5,982.71	25.68	233.995	
2,800.00	2,593.70	4,171.66	4,043.68	19.87	16.73	-95.93	5,896.22	359.31	5,991.38	5,955.96	35.42	169.176	
2,900.00	2,679.83	4,224.84	4,091.02	20.94	17.14	-96.35	5,882.63	339.25	5,970.03	5,933.13	36.90	161.790	
3,000.00	2,765.95	4,263.19	4,125.09	22.01	17.44	-96.66	5,872.94	324.56	5,949.90	5,911.60	38.30	155.342	
3,100.00	2,852.08	4,310.13	4,166.69	23.09	17.81	-97.05	5,861.19	306.25	5,931.03	5,891.26	39.77	149.139	
3,200.00	2,938.20	4,372.90	4,222.03	24.16	18.32	-97.56	5,845.43	281.17	5,913.25	5,871.90	41.35	143.009	
3,300.00	3,024.32	4,384.00	4,231.78	25.24	18.41	-97.65	5,842.63	276.66	5,896.73	5,854.13	42.60	138.426	
3,400.00	3,110.45	4,419.31	4,262.82	26.32	18.70	-97.94	5,833.90	262.26	5,881.57	5,837.55	44.01	133.631	
3,500.00	3,196.57	4,438.79	4,279.96	27.40	18.87	-98.10	5,829.24	254.29	5,867.95	5,822.63	45.32	129.475	
3,600.00	3,282.70	4,479.00	4,315.43	28.48	19.20	-98.44	5,819.97	237.76	5,855.93	5,809.16	46.77	125.210	
3,700.00	3,368.82	4,479.00	4,315.43	29.56	19.20	-98.44	5,819.97	237.76	5,845.21	5,797.28	47.94	121.937	
3,800.00	3,454.95	4,648.90	4,465.82	30.64	20.63	-99.84	5,779.91	169.63	5,835.05	5,784.77	50.27	116.064	
3,900.00	3,541.07	4,670.00	4,484.50	31.72	20.80	-100.01	5,774.79	161.27	5,825.97	5,774.39	51.59	112.937	
4,000.00	3,627.19	4,718.62	4,527.31	32.80	21.23	-100.41	5,762.89	141.53	5,818.02	5,764.92	53.10	109.568	
4,100.00	3,713.32	4,765.00	4,567.84	33.89	21.63	-100.80	5,752.03	121.76	5,811.95	5,757.36	54.59	106.461	
4,200.00	3,799.44	4,765.00	4,567.84	34.97	21.63	-100.80	5,752.03	121.76	5,807.10	5,751.36	55.74	104.186	
4,300.00	3,885.57	4,765.00	4,567.84	36.05	21.63	-100.80	5,752.03	121.76	5,803.97	5,747.10	56.87	102.054	
4,400.00	3,971.69	4,765.00	4,567.84	37.14	21.63	-100.80	5,752.03	121.76	5,802.56	5,744.57	57.99	100.059	
4,471.61	4,033.36	4,799.16	4,597.45	37.92	21.96	-101.10	5,744.39	106.54	5,802.26	5,743.19	59.07	98.228	
4,500.00	4,057.82	4,803.24	4,600.97	38.22	22.00	-101.13	5,743.50	104.68	5,802.44	5,743.02	59.42	97.657	
4,600.00	4,143.94	4,817.40	4,613.15	39.31	22.13	-101.25	5,740.45	98.15	5,804.08	5,743.45	60.63	95.730	
4,700.00	4,230.06	4,861.00	4,650.40	40.39	22.54	-101.63	5,731.45	77.34	5,807.60	5,745.52	62.08	93.556	
4,800.00	4,316.19	4,861.00	4,650.40	41.48	22.54	-101.63	5,731.45	77.34	5,812.26	5,749.12	63.14	92.051	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	4,402.31	4,861.00	4,650.40	42.57	22.54	-101.63	5,731.45	77.34	5,818.63	5,754.44	64.19	90.649	
5,000.00	4,488.44	4,861.00	4,650.40	43.65	22.54	-101.63	5,731.45	77.34	5,826.72	5,761.50	65.22	89.344	
5,100.00	4,574.56	4,904.39	4,687.26	44.74	22.97	-102.01	5,722.94	56.10	5,836.20	5,769.58	66.62	87.601	
5,200.00	4,660.69	4,929.32	4,708.47	45.83	23.21	-102.22	5,718.18	43.88	5,847.23	5,779.38	67.84	86.186	
5,300.00	4,746.81	4,957.00	4,732.03	46.91	23.49	-102.46	5,713.02	30.31	5,859.74	5,790.67	69.07	84.834	
5,400.00	4,832.93	5,002.40	4,770.92	48.00	23.92	-102.85	5,704.78	8.39	5,873.65	5,803.21	70.44	83.387	
5,500.00	4,919.06	5,243.00	4,986.85	49.09	25.98	-104.80	5,664.05	-88.75	5,887.19	5,813.90	73.30	80.322	
5,600.00	5,005.18	5,281.92	5,023.44	50.17	26.24	-105.09	5,658.39	-100.74	5,901.52	5,827.05	74.48	79.239	
5,700.00	5,091.31	5,302.68	5,043.06	51.26	26.39	-105.25	5,655.71	-106.95	5,917.38	5,841.85	75.53	78.346	
5,800.00	5,177.43	5,339.00	5,077.56	52.35	26.63	-105.51	5,651.56	-117.52	5,934.70	5,858.04	76.66	77.412	
5,900.00	5,263.56	5,525.15	5,258.15	53.44	27.65	-106.75	5,634.07	-158.55	5,952.03	5,873.50	78.53	75.796	
6,000.00	5,349.68	5,531.00	5,263.87	54.53	27.68	-106.79	5,633.56	-159.64	5,969.94	5,890.50	79.44	75.152	
6,100.00	5,435.80	5,585.89	5,317.96	55.61	27.92	-107.13	5,629.87	-168.26	5,988.63	5,908.09	80.54	74.352	
6,200.00	5,521.93	5,627.00	5,358.52	56.70	28.10	-107.37	5,628.01	-174.63	6,009.01	5,927.43	81.58	73.661	
6,300.00	5,608.05	5,781.91	5,511.35	57.79	28.77	-108.31	5,620.05	-198.59	6,029.98	5,946.89	83.09	72.573	
6,400.00	5,694.18	5,894.24	5,623.06	58.88	29.19	-108.92	5,616.10	-209.60	6,050.28	5,965.93	84.35	71.728	
6,479.32	5,762.49	5,914.00	5,642.76	59.74	29.25	-109.03	5,615.65	-210.99	6,066.78	5,981.70	85.08	71.309	
6,500.00	5,780.28	5,914.00	5,642.76	59.97	29.25	-105.40	5,615.65	-210.99	6,070.90	5,985.66	85.25	71.215	
6,550.00	5,822.98	5,914.00	5,642.76	60.51	29.25	-97.10	5,615.65	-210.99	6,078.40	5,992.73	85.67	70.952	
6,600.00	5,865.00	5,914.00	5,642.76	61.05	29.25	-89.70	5,615.65	-210.99	6,082.36	5,996.26	86.10	70.641	
6,650.00	5,906.01	5,914.00	5,642.76	61.57	29.25	-83.34	5,615.65	-210.99	6,082.75	5,996.22	86.54	70.289	
6,700.00	5,945.70	5,914.00	5,642.76	62.08	29.25	-78.03	5,615.65	-210.99	6,079.59	5,992.61	86.97	69.900	
6,750.00	5,983.77	5,938.95	5,667.63	62.56	29.33	-73.89	5,615.54	-212.92	6,072.34	5,984.83	87.50	69.396	
6,800.00	6,019.92	5,962.00	5,690.56	63.02	29.41	-70.66	5,616.15	-215.17	6,062.30	5,974.28	88.02	68.877	
6,850.00	6,053.90	5,962.00	5,690.56	63.45	29.41	-68.10	5,616.15	-215.17	6,048.37	5,959.94	88.43	68.400	
6,900.00	6,085.42	5,962.00	5,690.56	63.86	29.41	-66.27	5,616.15	-215.17	6,031.10	5,942.28	88.82	67.903	
6,950.00	6,114.26	5,962.00	5,690.56	64.23	29.41	-65.11	5,616.15	-215.17	6,010.57	5,921.38	89.19	67.388	
7,000.00	6,140.20	5,962.00	5,690.56	64.58	29.41	-64.60	5,616.15	-215.17	5,986.93	5,897.39	89.55	66.859	
7,050.00	6,163.03	5,962.00	5,690.56	64.89	29.41	-64.71	5,616.15	-215.17	5,960.31	5,870.43	89.88	66.317	
7,100.00	6,182.59	5,962.00	5,690.56	65.17	29.41	-65.46	5,616.15	-215.17	5,930.87	5,840.69	90.19	65.763	
7,150.00	6,198.73	5,962.00	5,690.56	65.42	29.41	-66.88	5,616.15	-215.17	5,898.81	5,808.34	90.47	65.201	
7,200.00	6,211.32	5,962.00	5,690.56	65.65	29.41	-69.03	5,616.15	-215.17	5,864.32	5,773.58	90.74	64.631	
7,250.00	6,220.26	5,962.00	5,690.56	65.84	29.41	-72.00	5,616.15	-215.17	5,827.62	5,736.64	90.98	64.054	
7,300.00	6,225.50	5,962.00	5,690.56	66.01	29.41	-75.92	5,616.15	-215.17	5,788.95	5,697.75	91.20	63.473	
7,344.70	6,227.00	5,962.00	5,690.56	66.14	29.41	-80.35	5,616.15	-215.17	5,752.93	5,661.54	91.39	62.949	
7,400.00	6,227.00	5,962.00	5,690.56	66.29	29.41	-80.35	5,616.15	-215.17	5,707.69	5,616.08	91.61	62.302	
7,500.00	6,227.00	5,962.00	5,690.56	66.58	29.41	-80.35	5,616.15	-215.17	5,626.34	5,534.32	92.03	61.138	
7,600.00	6,227.00	5,962.00	5,690.56	66.90	29.41	-80.35	5,616.15	-215.17	5,545.61	5,453.15	92.46	59.981	
7,700.00	6,227.00	5,962.00	5,690.56	67.24	29.41	-80.35	5,616.15	-215.17	5,465.50	5,372.60	92.90	58.831	
7,800.00	6,227.00	5,962.00	5,690.56	67.61	29.41	-80.35	5,616.15	-215.17	5,386.07	5,292.70	93.36	57.689	
7,900.00	6,227.00	5,962.00	5,690.56	68.00	29.41	-80.35	5,616.15	-215.17	5,307.32	5,213.48	93.84	56.556	
8,000.00	6,227.00	5,962.00	5,690.56	68.43	29.41	-80.35	5,616.15	-215.17	5,229.31	5,134.97	94.34	55.431	
8,100.00	6,227.00	5,962.00	5,690.56	68.88	29.41	-80.35	5,616.15	-215.17	5,152.05	5,057.20	94.85	54.316	
8,200.00	6,227.00	5,962.00	5,690.56	69.36	29.41	-80.35	5,616.15	-215.17	5,075.59	4,980.21	95.39	53.211	
8,300.00	6,227.00	5,962.00	5,690.56	69.88	29.41	-80.35	5,616.15	-215.17	4,999.96	4,904.02	95.94	52.117	
8,400.00	6,227.00	5,962.00	5,690.56	70.43	29.41	-80.35	5,616.15	-215.17	4,925.20	4,828.69	96.51	51.035	
8,500.00	6,227.00	5,962.00	5,690.56	71.00	29.41	-80.35	5,616.15	-215.17	4,851.35	4,754.25	97.09	49.966	
8,600.00	6,227.00	5,962.00	5,690.56	71.62	29.41	-80.35	5,616.15	-215.17	4,778.45	4,680.75	97.70	48.909	
8,700.00	6,227.00	5,962.00	5,690.56	72.26	29.41	-80.35	5,616.15	-215.17	4,706.54	4,608.22	98.33	47.867	
8,800.00	6,227.00	5,962.00	5,690.56	72.94	29.41	-80.35	5,616.15	-215.17	4,635.68	4,536.71	98.97	46.839	
8,900.00	6,227.00	5,962.00	5,690.56	73.66	29.41	-80.35	5,616.15	-215.17	4,565.91	4,466.27	99.63	45.827	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	74.41	29.41	-80.35	5,616.15	-215.17	4,497.28	4,396.96	100.31	44.832		
9,100.00	6,227.00	5,962.00	5,690.56	75.19	29.41	-80.35	5,616.15	-215.17	4,429.84	4,328.83	101.01	43.854		
9,200.00	6,227.00	5,962.00	5,690.56	76.01	29.41	-80.35	5,616.15	-215.17	4,363.65	4,261.92	101.73	42.895		
9,300.00	6,227.00	5,962.00	5,690.56	76.86	29.41	-80.35	5,616.15	-215.17	4,298.77	4,196.31	102.46	41.954		
9,400.00	6,227.00	5,962.00	5,690.56	77.75	29.41	-80.35	5,616.15	-215.17	4,235.26	4,132.05	103.21	41.035		
9,500.00	6,227.00	5,962.00	5,690.56	78.67	29.41	-80.35	5,616.15	-215.17	4,173.18	4,069.20	103.98	40.136		
9,600.00	6,227.00	5,962.00	5,690.56	79.63	29.41	-80.35	5,616.15	-215.17	4,112.59	4,007.84	104.75	39.260		
9,700.00	6,227.00	5,962.00	5,690.56	80.62	29.41	-80.35	5,616.15	-215.17	4,053.56	3,948.02	105.54	38.407		
9,800.00	6,227.00	5,962.00	5,690.56	81.64	29.41	-80.35	5,616.15	-215.17	3,996.17	3,889.82	106.34	37.578		
9,900.00	6,227.00	5,962.00	5,690.56	82.69	29.41	-80.35	5,616.15	-215.17	3,940.47	3,833.32	107.15	36.775		
10,000.00	6,227.00	5,962.00	5,690.56	83.77	29.41	-80.35	5,616.15	-215.17	3,886.56	3,778.59	107.97	35.998		
10,100.00	6,227.00	5,962.00	5,690.56	84.88	29.41	-80.35	5,616.15	-215.17	3,834.49	3,725.70	108.79	35.248		
10,200.00	6,227.00	5,962.00	5,690.56	86.02	29.41	-80.35	5,616.15	-215.17	3,784.35	3,674.74	109.61	34.526		
10,300.00	6,227.00	5,962.00	5,690.56	87.19	29.41	-80.35	5,616.15	-215.17	3,736.21	3,625.78	110.43	33.834		
10,400.00	6,227.00	5,962.00	5,690.56	88.38	29.41	-80.35	5,616.15	-215.17	3,690.15	3,578.91	111.24	33.172		
10,500.00	6,227.00	5,962.00	5,690.56	89.60	29.41	-80.35	5,616.15	-215.17	3,646.26	3,534.21	112.05	32.541		
10,600.00	6,227.00	5,962.00	5,690.56	90.84	29.41	-80.35	5,616.15	-215.17	3,604.61	3,491.76	112.85	31.942		
10,700.00	6,227.00	5,962.00	5,690.56	92.11	29.41	-80.35	5,616.15	-215.17	3,565.28	3,451.64	113.63	31.375		
10,800.00	6,227.00	5,962.00	5,690.56	93.39	29.41	-80.35	5,616.15	-215.17	3,528.34	3,413.94	114.40	30.843		
10,900.00	6,227.00	5,962.00	5,690.56	94.70	29.41	-80.35	5,616.15	-215.17	3,493.87	3,378.73	115.14	30.344		
11,000.00	6,227.00	5,962.00	5,690.56	96.03	29.41	-80.35	5,616.15	-215.17	3,461.96	3,346.10	115.86	29.881		
11,100.00	6,227.00	5,982.75	5,711.11	97.37	29.48	-80.71	5,617.56	-217.66	3,432.17	3,315.43	116.74	29.401		
11,200.00	6,227.00	5,984.01	5,712.36	98.74	29.48	-80.73	5,617.68	-217.83	3,405.51	3,288.10	117.41	29.006		
11,300.00	6,227.00	5,985.37	5,713.69	100.12	29.49	-80.76	5,617.82	-218.01	3,381.59	3,263.54	118.04	28.647		
11,400.00	6,227.00	5,986.82	5,715.13	101.51	29.49	-80.78	5,617.97	-218.21	3,360.47	3,241.83	118.64	28.325		
11,500.00	6,227.00	5,988.39	5,716.67	102.92	29.50	-80.81	5,618.14	-218.43	3,342.21	3,223.02	119.19	28.040		
11,600.00	6,227.00	6,009.00	5,736.84	104.35	29.57	-81.16	5,620.95	-221.57	3,327.20	3,207.30	119.90	27.749		
11,700.00	6,227.00	6,009.00	5,736.84	105.79	29.57	-81.16	5,620.95	-221.57	3,314.71	3,194.36	120.35	27.542		
11,800.00	6,227.00	6,009.00	5,736.84	107.24	29.57	-81.16	5,620.95	-221.57	3,305.19	3,184.45	120.75	27.373		
11,900.00	6,227.00	6,009.00	5,736.84	108.71	29.57	-81.16	5,620.95	-221.57	3,298.69	3,177.60	121.09	27.242		
12,000.00	6,227.00	6,009.00	5,736.84	110.19	29.57	-81.16	5,620.95	-221.57	3,295.20	3,173.82	121.38	27.148		
12,064.87	6,227.00	6,009.00	5,736.84	111.15	29.57	-81.16	5,620.95	-221.57	3,294.56	3,173.03	121.54	27.107	CC, ES	
12,100.00	6,227.00	6,009.00	5,736.84	111.68	29.57	-81.16	5,620.95	-221.57	3,294.75	3,173.14	121.61	27.092		
12,200.00	6,227.00	6,009.00	5,736.84	113.18	29.57	-81.16	5,620.95	-221.57	3,297.33	3,175.54	121.79	27.073		
12,300.00	6,227.00	6,009.00	5,736.84	114.68	29.57	-81.16	5,620.95	-221.57	3,302.94	3,181.02	121.92	27.091		
12,400.00	6,227.00	6,015.32	5,742.98	116.20	29.59	-81.27	5,622.02	-222.62	3,311.56	3,189.49	122.07	27.129		
12,500.00	6,227.00	6,032.97	5,760.04	117.73	29.64	-81.57	5,625.48	-225.59	3,323.09	3,200.78	122.31	27.169		
12,600.00	6,227.00	6,060.44	5,786.24	119.27	29.73	-82.03	5,632.20	-230.34	3,337.43	3,214.78	122.66	27.210		
12,700.00	6,227.00	6,075.18	5,800.15	120.81	29.77	-82.28	5,636.29	-232.96	3,354.53	3,231.74	122.79	27.319		
12,800.00	6,227.00	6,094.09	5,817.88	122.37	29.82	-82.59	5,641.89	-236.44	3,374.36	3,251.41	122.95	27.445		
12,900.00	6,227.00	6,442.00	6,101.90	123.93	30.42	-87.58	5,826.22	-300.16	3,396.70	3,268.23	128.46	26.441		
13,000.00	6,227.00	6,489.00	6,133.25	125.49	30.46	-88.12	5,860.31	-308.06	3,416.24	3,286.95	129.29	26.423		
13,100.00	6,227.00	6,666.13	6,214.87	127.07	30.58	-89.52	6,013.33	-339.98	3,436.07	3,303.26	132.81	25.872		
13,200.00	6,227.00	6,730.00	6,237.81	128.65	30.63	-89.91	6,071.86	-351.29	3,455.25	3,321.05	134.21	25.746		
13,300.00	6,227.00	7,528.15	6,281.00	130.24	33.49	-90.63	6,858.22	-416.63	3,455.03	3,303.74	151.29	22.838		
13,321.30	6,227.00	7,548.00	6,281.33	130.57	33.63	-90.64	6,878.06	-416.58	3,455.04	3,303.20	151.84	22.754		
13,400.00	6,227.00	7,625.14	6,282.16	131.83	34.22	-90.65	6,955.20	-416.40	3,455.14	3,301.12	154.02	22.432		
13,500.00	6,227.00	7,767.60	6,281.43	133.43	35.46	-90.64	7,097.64	-414.98	3,454.46	3,296.70	157.76	21.897		
13,600.00	6,227.00	7,834.00	6,280.17	135.03	36.10	-90.62	7,164.03	-414.02	3,453.48	3,293.48	159.99	21.585		
13,637.90	6,227.00	7,864.64	6,279.62	135.64	36.42	-90.61	7,194.66	-413.75	3,453.30	3,292.34	160.97	21.453		
13,700.00	6,227.00	7,892.81	6,279.37	136.64	36.71	-90.60	7,222.83	-413.79	3,453.61	3,291.51	162.09	21.306		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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-24HNA - 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						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,800.00	6,227.00	7,944.23	6,279.55	138.25	37.27	-90.61	7,274.24	-414.55	3,455.37	3,291.33	164.03	21.065	
13,900.00	6,227.00	8,026.00	6,281.93	139.87	38.21	-90.65	7,355.95	-416.45	3,458.06	3,291.39	166.67	20.748	
14,000.00	6,227.00	8,077.24	6,284.18	141.50	38.83	-90.68	7,407.12	-418.13	3,461.71	3,293.07	168.63	20.528	
14,100.00	6,227.00	8,145.46	6,286.86	143.12	39.67	-90.73	7,475.21	-421.30	3,466.67	3,295.68	170.99	20.274	
14,200.00	6,227.00	8,301.77	6,286.93	144.76	41.70	-90.73	7,631.36	-427.72	3,471.15	3,295.66	175.49	19.780	
14,300.00	6,227.00	8,369.73	6,284.79	146.39	42.62	-90.69	7,699.24	-430.16	3,475.10	3,297.19	177.91	19.533	
14,400.00	6,227.00	8,434.59	6,282.29	148.03	43.51	-90.65	7,763.98	-433.29	3,480.20	3,299.95	180.25	19.308	
14,500.00	6,227.00	8,535.23	6,278.69	149.67	44.93	-90.59	7,864.41	-438.82	3,486.01	3,302.51	183.50	18.998	
14,600.00	6,227.00	8,777.33	6,279.46	151.32	48.39	-90.60	8,106.33	-445.25	3,488.34	3,298.15	190.20	18.341	
14,700.00	6,227.00	8,864.63	6,280.91	152.97	49.66	-90.62	8,193.60	-446.32	3,489.94	3,296.76	193.18	18.066	
14,800.00	6,227.00	8,922.89	6,281.30	154.62	50.52	-90.63	8,251.85	-447.42	3,492.25	3,296.78	195.48	17.865	
14,900.00	6,227.00	8,982.00	6,282.37	156.28	51.41	-90.65	8,310.92	-449.50	3,496.01	3,298.23	197.78	17.676	
15,000.00	6,227.00	9,077.00	6,284.27	157.94	52.85	-90.68	8,405.83	-453.14	3,500.23	3,299.25	200.98	17.416	
15,100.00	6,227.00	9,140.97	6,285.58	159.60	53.84	-90.70	8,469.73	-455.79	3,504.85	3,301.45	203.41	17.231	
15,200.00	6,227.00	9,201.40	6,287.28	161.27	54.78	-90.72	8,530.04	-459.20	3,510.82	3,305.09	205.73	17.065	
15,300.00	6,227.00	9,268.00	6,289.03	162.94	55.82	-90.75	8,596.47	-463.48	3,517.68	3,309.48	208.20	16.895	
15,400.00	6,227.00	9,317.67	6,289.87	164.61	56.62	-90.76	8,646.00	-467.28	3,525.74	3,315.54	210.21	16.773	
15,500.00	6,227.00	9,367.85	6,289.99	166.28	57.43	-90.77	8,695.96	-471.93	3,535.32	3,323.13	212.19	16.661	
15,600.00	6,227.00	9,484.04	6,289.59	167.95	59.31	-90.76	8,811.64	-482.77	3,544.93	3,328.88	216.05	16.408	
15,700.00	6,227.00	9,552.00	6,289.43	169.63	60.43	-90.75	8,879.25	-489.57	3,555.23	3,336.70	218.54	16.268	
15,800.00	6,227.00	9,658.16	6,288.62	171.31	62.18	-90.74	8,984.84	-500.55	3,565.92	3,343.78	222.13	16.053	
15,900.00	6,227.00	9,757.61	6,287.21	172.99	63.83	-90.71	9,083.78	-510.60	3,576.36	3,350.81	225.55	15.856	
16,000.00	6,227.00	9,866.45	6,286.69	174.68	65.64	-90.70	9,192.05	-521.56	3,586.78	3,357.54	229.24	15.647	
16,100.00	6,227.00	10,058.12	6,286.27	176.36	68.84	-90.69	9,382.98	-538.40	3,596.11	3,360.85	235.26	15.285	
16,200.00	6,227.00	10,286.90	6,282.69	178.05	72.62	-90.63	9,611.42	-549.77	3,600.72	3,358.63	242.10	14.873	
16,300.00	6,227.00	10,379.45	6,282.29	179.74	74.15	-90.63	9,703.90	-553.25	3,604.83	3,359.48	245.35	14.693	
16,400.00	6,227.00	10,509.81	6,280.78	181.43	76.31	-90.60	9,834.15	-558.01	3,608.87	3,359.31	249.56	14.461	
16,500.00	6,227.00	10,591.36	6,277.88	183.13	77.67	-90.55	9,915.61	-560.78	3,612.56	3,360.02	252.54	14.305	
16,600.00	6,227.00	10,737.65	6,272.47	184.82	80.11	-90.47	10,061.73	-565.15	3,615.88	3,358.73	257.15	14.061	
16,700.00	6,227.00	10,881.21	6,269.79	186.52	82.50	-90.42	10,205.24	-567.65	3,617.97	3,356.32	261.65	13.828	
16,800.00	6,227.00	10,958.99	6,269.05	188.22	83.79	-90.41	10,283.01	-568.70	3,619.68	3,355.10	264.57	13.681	
16,900.00	6,227.00	11,008.91	6,269.33	189.92	84.63	-90.42	10,332.92	-569.79	3,622.31	3,355.51	266.80	13.577	
17,000.81	6,227.00	11,075.43	6,270.43	191.63	85.75	-90.43	10,399.38	-572.36	3,626.46	3,357.04	269.42	13.460 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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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: 484-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	16.94	16.94	0.00	0.03	7.85	6,041.72	833.32	6,098.92				
100.00	100.00	122.82	122.82	0.27	0.21	7.85	6,041.66	833.27	6,098.86	6,098.38	0.48	N/A	
200.00	200.00	228.69	228.69	0.63	0.40	7.85	6,041.51	833.14	6,098.70	6,097.68	1.02	5,962.154	
300.00	300.00	334.57	334.56	0.99	0.58	7.85	6,041.27	832.93	6,098.44	6,096.88	1.56	3,898.018	
400.00	399.98	440.41	440.41	1.34	0.76	-75.56	6,040.93	832.64	6,097.65	6,095.55	2.10	2,903.756	
500.00	499.84	554.11	554.10	1.69	1.09	-75.65	6,040.43	832.31	6,095.89	6,093.11	2.78	2,193.303	
600.00	599.45	653.90	653.89	2.06	1.44	-75.78	6,039.68	832.40	6,092.99	6,089.50	3.50	1,741.215	
700.00	698.70	739.36	739.35	2.44	1.75	-75.95	6,039.24	832.54	6,089.50	6,085.32	4.19	1,454.987	
800.00	797.47	895.36	895.35	2.85	2.30	-76.26	6,038.09	832.96	6,085.09	6,079.95	5.15	1,182.458	
900.00	895.62	970.00	969.98	3.29	2.57	-76.49	6,037.03	833.64	6,079.24	6,073.40	5.84	1,040.194	
1,000.00	993.06	1,011.94	1,011.91	3.76	2.71	-76.69	6,036.68	834.01	6,073.29	6,066.83	6.46	940.709	
1,100.00	1,089.64	1,062.00	1,061.97	4.27	2.88	-76.92	6,037.04	834.17	6,067.74	6,060.61	7.14	850.320	
1,200.00	1,185.27	1,062.00	1,061.97	4.83	2.88	-77.02	6,037.04	834.17	6,062.44	6,054.75	7.69	788.291	
1,300.00	1,279.82	1,123.70	1,123.66	5.45	3.08	-77.30	6,038.40	834.27	6,057.29	6,048.79	8.50	712.456	
1,400.00	1,373.17	1,155.00	1,154.94	6.12	3.19	-77.50	6,039.39	834.37	6,052.47	6,043.20	9.27	653.094	
1,500.00	1,465.21	1,192.51	1,192.42	6.85	3.32	-77.72	6,040.93	834.50	6,048.00	6,037.88	10.12	597.888	
1,600.00	1,555.84	1,246.00	1,245.82	7.65	3.50	-78.02	6,043.98	834.61	6,044.14	6,033.06	11.08	545.384	
1,700.00	1,644.94	1,349.64	1,349.28	8.51	3.85	-78.55	6,050.02	834.27	6,040.24	6,027.95	12.29	491.322	
1,800.00	1,732.39	1,429.00	1,428.52	9.45	4.13	-79.01	6,054.32	833.16	6,035.50	6,022.01	13.50	447.228	
1,827.18	1,755.86	1,429.00	1,428.52	9.72	4.13	-79.04	6,054.32	833.16	6,034.21	6,020.46	13.76	438.597	
1,900.00	1,818.58	1,469.47	1,468.91	10.44	4.27	-79.24	6,056.71	832.30	6,031.04	6,016.42	14.62	412.533	
2,000.00	1,904.71	1,521.00	1,520.31	11.46	4.45	-79.50	6,060.12	831.05	6,027.59	6,011.79	15.80	381.384	
2,100.00	1,990.83	1,693.03	1,691.93	12.49	5.06	-80.36	6,071.06	826.58	6,024.65	6,007.21	17.44	345.446	
2,200.00	2,076.96	1,828.91	1,827.59	13.53	5.55	-81.04	6,077.59	822.53	6,020.52	6,001.56	18.96	317.522	
2,300.00	2,163.08	3,405.45	3,381.28	14.57	11.43	-89.80	5,950.65	688.69	5,999.04	5,973.74	25.30	237.119	
2,400.00	2,249.21	3,447.99	3,420.31	15.62	11.66	-90.13	5,942.86	673.69	5,976.14	5,949.57	26.58	224.859	
2,500.00	2,335.33	3,485.39	3,454.27	16.68	11.86	-90.43	5,936.20	659.51	5,954.45	5,926.59	27.85	213.793	
2,600.00	2,421.45	3,522.96	3,488.04	17.74	12.07	-90.73	5,929.71	644.35	5,934.01	5,904.87	29.14	203.648	
2,700.00	2,507.58	3,590.73	3,548.10	18.81	12.47	-91.29	5,918.11	615.19	5,914.68	5,884.08	30.61	193.252	
2,800.00	2,593.70	3,633.20	3,585.19	19.87	12.74	-91.65	5,910.85	595.82	5,896.48	5,864.51	31.97	184.455	
2,900.00	2,679.83	3,662.36	3,610.40	20.94	12.94	-91.90	5,905.97	582.02	5,879.64	5,846.37	33.27	176.712	
3,000.00	2,765.95	3,709.00	3,650.28	22.01	13.26	-92.30	5,898.41	559.05	5,864.28	5,829.59	34.69	169.071	
3,100.00	2,852.08	3,709.00	3,650.28	23.09	13.26	-92.30	5,898.41	559.05	5,850.26	5,814.44	35.82	163.305	
3,200.00	2,938.20	3,752.99	3,687.62	24.16	13.58	-92.68	5,891.48	536.84	5,837.70	5,800.45	37.26	156.696	
3,300.00	3,024.32	3,787.22	3,716.66	25.24	13.83	-92.98	5,886.17	519.52	5,826.57	5,787.94	38.62	150.861	
3,400.00	3,110.45	3,901.00	3,813.47	26.32	14.72	-93.97	5,867.95	462.58	5,816.48	5,775.92	40.56	143.393	
3,500.00	3,196.57	3,941.61	3,848.15	27.40	15.05	-94.33	5,861.19	442.55	5,807.44	5,765.43	42.00	138.258	
3,600.00	3,282.70	3,967.87	3,870.54	28.48	15.26	-94.56	5,856.94	429.53	5,799.91	5,756.58	43.34	133.837	
3,700.00	3,368.82	3,996.00	3,894.51	29.56	15.49	-94.80	5,852.48	415.50	5,793.90	5,749.22	44.68	129.684	
3,800.00	3,454.95	3,996.00	3,894.51	30.64	15.49	-94.80	5,852.48	415.50	5,789.47	5,743.68	45.80	126.412	
3,900.00	3,541.07	3,996.00	3,894.51	31.72	15.49	-94.80	5,852.48	415.50	5,786.78	5,739.87	46.91	123.359	
4,000.00	3,627.19	4,038.19	3,930.45	32.80	15.85	-95.17	5,846.20	394.29	5,785.31	5,736.95	48.36	119.642	
4,027.79	3,651.13	4,042.19	3,933.85	33.10	15.89	-95.20	5,845.64	392.27	5,785.25	5,736.55	48.69	118.811	
4,100.00	3,713.32	4,052.56	3,942.68	33.89	15.97	-95.30	5,844.21	387.02	5,785.67	5,736.10	49.57	116.728	
4,200.00	3,799.44	4,091.00	3,975.39	34.97	16.30	-95.63	5,839.29	367.45	5,787.80	5,736.84	50.96	113.567	
4,300.00	3,885.57	4,091.00	3,975.39	36.05	16.30	-95.63	5,839.29	367.45	5,791.24	5,739.21	52.03	111.299	
4,400.00	3,971.69	4,134.63	4,012.53	37.14	16.69	-96.01	5,833.91	345.20	5,796.35	5,742.89	53.47	108.412	
4,500.00	4,057.82	4,204.99	4,072.46	38.22	17.31	-96.63	5,824.85	309.47	5,802.50	5,747.37	55.13	105.256	
4,600.00	4,143.94	4,233.77	4,096.82	39.31	17.58	-96.88	5,821.10	294.60	5,810.06	5,753.64	56.42	102.976	
4,700.00	4,230.06	4,261.38	4,120.03	40.39	17.83	-97.12	5,817.52	280.07	5,819.11	5,761.42	57.69	100.867	
4,800.00	4,316.19	4,281.00	4,136.43	41.48	18.01	-97.30	5,814.99	269.61	5,829.66	5,770.79	58.87	99.023	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
4,900.00	4,402.31	4,281.00	4,136.43	42.57	18.01	-97.30	5,814.99	269.61	5,841.86	5,782.00	59.86	97.600	
5,000.00	4,488.44	4,323.87	4,172.09	43.65	18.43	-97.68	5,809.63	246.43	5,855.37	5,794.12	61.24	95.612	
5,100.00	4,574.56	4,342.38	4,187.43	44.74	18.61	-97.84	5,807.41	236.32	5,870.52	5,808.15	62.37	94.124	
5,200.00	4,660.69	4,374.00	4,213.57	45.83	18.92	-98.13	5,803.76	218.90	5,887.24	5,823.63	63.61	92.551	
5,300.00	4,746.81	4,390.06	4,226.85	46.91	19.08	-98.27	5,801.96	210.04	5,905.40	5,840.72	64.68	91.300	
5,400.00	4,832.93	4,692.33	4,484.57	48.00	22.00	-100.88	5,766.53	56.35	5,924.14	5,855.65	68.49	86.494	
5,500.00	4,919.06	4,739.83	4,525.53	49.09	22.45	-101.29	5,760.23	33.15	5,942.86	5,873.03	69.83	85.104	
5,600.00	5,005.18	4,785.20	4,564.65	50.17	22.89	-101.67	5,754.22	10.97	5,962.81	5,891.68	71.13	83.829	
5,700.00	5,091.31	4,830.20	4,603.57	51.26	23.33	-102.06	5,748.38	-10.85	5,984.00	5,911.59	72.41	82.641	
5,800.00	5,177.43	4,852.00	4,622.48	52.35	23.54	-102.24	5,745.59	-21.35	6,006.46	5,933.01	73.45	81.777	
5,900.00	5,263.56	4,893.66	4,658.45	53.44	23.95	-102.59	5,740.27	-41.67	6,030.19	5,955.52	74.67	80.760	
6,000.00	5,349.68	4,919.71	4,680.77	54.53	24.21	-102.81	5,736.92	-54.68	6,055.29	5,979.58	75.71	79.976	
6,100.00	5,435.80	4,948.00	4,704.85	55.61	24.49	-103.06	5,733.26	-69.07	6,081.74	6,004.98	76.76	79.231	
6,200.00	5,521.93	5,160.61	4,887.70	56.70	26.61	-104.85	5,704.71	-173.65	6,108.71	6,029.13	79.58	76.763	
6,300.00	5,608.05	5,196.55	4,919.25	57.79	26.95	-105.14	5,700.05	-190.22	6,136.23	6,055.58	80.65	76.084	
6,400.00	5,694.18	5,685.31	5,360.48	58.88	31.15	-108.96	5,634.87	-388.27	6,163.83	6,078.43	85.39	72.182	
6,479.32	5,762.49	5,770.38	5,441.67	59.74	31.70	-109.55	5,626.10	-412.08	6,183.87	6,097.35	86.52	71.477	
6,500.00	5,780.28	5,784.43	5,455.12	59.97	31.79	-105.97	5,624.69	-415.89	6,188.81	6,102.06	86.76	71.336	
6,550.00	5,822.98	5,843.24	5,511.71	60.51	32.13	-97.98	5,619.13	-430.86	6,198.01	6,110.54	87.48	70.853	
6,600.00	5,865.00	5,859.94	5,527.88	61.05	32.22	-90.62	5,617.78	-434.77	6,203.60	6,115.63	87.97	70.518	
6,650.00	5,906.01	5,876.34	5,543.80	61.57	32.31	-84.30	5,616.57	-438.53	6,205.57	6,117.10	88.47	70.141	
6,700.00	5,945.70	6,192.00	5,855.74	62.08	33.59	-81.04	5,604.59	-481.56	6,203.63	6,113.41	90.21	68.766	
6,750.00	5,983.77	6,192.00	5,855.74	62.56	33.59	-76.77	5,604.59	-481.56	6,196.76	6,106.11	90.64	68.363	
6,800.00	6,019.92	6,192.00	5,855.74	63.02	33.59	-73.42	5,604.59	-481.56	6,186.47	6,095.41	91.07	67.935	
6,850.00	6,053.90	6,192.00	5,855.74	63.45	33.59	-70.90	5,604.59	-481.56	6,172.84	6,081.37	91.47	67.483	
6,900.00	6,085.42	6,192.00	5,855.74	63.86	33.59	-69.13	5,604.59	-481.56	6,155.94	6,064.08	91.86	67.013	
6,950.00	6,114.26	6,192.00	5,855.74	64.23	33.59	-68.05	5,604.59	-481.56	6,135.87	6,043.63	92.23	66.526	
7,000.00	6,140.20	6,192.00	5,855.74	64.58	33.59	-67.62	5,604.59	-481.56	6,112.75	6,020.17	92.58	66.025	
7,050.00	6,163.03	6,192.00	5,855.74	64.89	33.59	-67.82	5,604.59	-481.56	6,086.73	5,993.82	92.91	65.512	
7,100.00	6,182.59	6,192.00	5,855.74	65.17	33.59	-68.66	5,604.59	-481.56	6,057.97	5,964.76	93.21	64.990	
7,150.00	6,198.73	6,192.00	5,855.74	65.42	33.59	-70.17	5,604.59	-481.56	6,026.66	5,933.16	93.50	64.459	
7,200.00	6,211.32	6,214.27	5,877.98	65.65	33.64	-72.69	5,604.98	-482.50	5,992.50	5,898.68	93.83	63.866	
7,250.00	6,220.26	6,215.22	5,878.93	65.84	33.64	-75.76	5,605.02	-482.54	5,956.65	5,862.58	94.07	63.320	
7,300.00	6,225.50	6,215.86	5,879.57	66.01	33.64	-79.72	5,605.05	-482.56	5,918.90	5,824.60	94.29	62.771	
7,344.70	6,227.00	6,216.18	5,879.89	66.14	33.64	-84.10	5,605.06	-482.58	5,883.75	5,789.28	94.48	62.277	
7,400.00	6,227.00	6,216.41	5,880.12	66.29	33.65	-84.11	5,605.07	-482.58	5,839.65	5,744.95	94.70	61.668	
7,500.00	6,227.00	6,216.84	5,880.55	66.58	33.65	-84.12	5,605.09	-482.60	5,760.37	5,665.27	95.10	60.572	
7,600.00	6,227.00	6,217.29	5,881.00	66.90	33.65	-84.12	5,605.12	-482.62	5,681.75	5,586.22	95.52	59.482	
7,700.00	6,227.00	6,217.76	5,881.47	67.24	33.65	-84.13	5,605.14	-482.64	5,603.80	5,507.84	95.96	58.399	
7,800.00	6,227.00	6,218.25	5,881.95	67.61	33.65	-84.14	5,605.16	-482.66	5,526.57	5,430.16	96.41	57.323	
7,900.00	6,227.00	6,240.00	5,903.62	68.00	33.70	-84.49	5,606.79	-483.53	5,450.49	5,353.52	96.96	56.212	
8,000.00	6,227.00	6,240.00	5,903.62	68.43	33.70	-84.49	5,606.79	-483.53	5,374.74	5,277.29	97.45	55.154	
8,100.00	6,227.00	6,240.00	5,903.62	68.88	33.70	-84.49	5,606.79	-483.53	5,299.80	5,201.85	97.95	54.106	
8,200.00	6,227.00	6,240.00	5,903.62	69.36	33.70	-84.49	5,606.79	-483.53	5,225.70	5,127.23	98.47	53.067	
8,300.00	6,227.00	6,240.00	5,903.62	69.88	33.70	-84.49	5,606.79	-483.53	5,152.47	5,053.46	99.01	52.039	
8,400.00	6,227.00	6,240.00	5,903.62	70.43	33.70	-84.49	5,606.79	-483.53	5,080.16	4,980.59	99.57	51.022	
8,500.00	6,227.00	6,240.00	5,903.62	71.00	33.70	-84.49	5,606.79	-483.53	5,008.80	4,908.65	100.14	50.017	
8,600.00	6,227.00	6,240.00	5,903.62	71.62	33.70	-84.49	5,606.79	-483.53	4,938.43	4,837.70	100.73	49.024	
8,700.00	6,227.00	6,240.00	5,903.62	72.26	33.70	-84.49	5,606.79	-483.53	4,869.10	4,767.76	101.34	48.045	
8,800.00	6,227.00	6,240.00	5,903.62	72.94	33.70	-84.49	5,606.79	-483.53	4,800.85	4,698.88	101.97	47.081	
8,900.00	6,227.00	6,240.00	5,903.62	73.66	33.70	-84.49	5,606.79	-483.53	4,733.73	4,631.12	102.61	46.131	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,000.00	6,227.00	6,240.00	5,903.62	74.41	33.70	-84.49	5,606.79	-483.53	4,667.79	4,564.51	103.28	45.198	
9,100.00	6,227.00	6,240.00	5,903.62	75.19	33.70	-84.49	5,606.79	-483.53	4,603.07	4,499.12	103.95	44.281	
9,200.00	6,227.00	6,240.00	5,903.62	76.01	33.70	-84.49	5,606.79	-483.53	4,539.64	4,435.00	104.64	43.381	
9,300.00	6,227.00	6,240.00	5,903.62	76.86	33.70	-84.49	5,606.79	-483.53	4,477.54	4,372.19	105.35	42.501	
9,400.00	6,227.00	6,240.00	5,903.62	77.75	33.70	-84.49	5,606.79	-483.53	4,416.83	4,310.76	106.07	41.639	
9,500.00	6,227.00	6,240.00	5,903.62	78.67	33.70	-84.49	5,606.79	-483.53	4,357.57	4,250.77	106.81	40.798	
9,600.00	6,227.00	6,240.00	5,903.62	79.63	33.70	-84.49	5,606.79	-483.53	4,299.82	4,192.27	107.55	39.978	
9,700.00	6,227.00	6,240.00	5,903.62	80.62	33.70	-84.49	5,606.79	-483.53	4,243.65	4,135.34	108.31	39.181	
9,800.00	6,227.00	6,240.00	5,903.62	81.64	33.70	-84.49	5,606.79	-483.53	4,189.10	4,080.03	109.07	38.406	
9,900.00	6,227.00	6,240.00	5,903.62	82.69	33.70	-84.49	5,606.79	-483.53	4,136.26	4,026.41	109.85	37.655	
10,000.00	6,227.00	6,240.00	5,903.62	83.77	33.70	-84.49	5,606.79	-483.53	4,085.17	3,974.55	110.62	36.929	
10,100.00	6,227.00	6,240.00	5,903.62	84.88	33.70	-84.49	5,606.79	-483.53	4,035.93	3,924.52	111.40	36.228	
10,200.00	6,227.00	4,948.00	4,704.85	86.02	24.49	-63.63	5,733.26	-69.07	3,988.48	3,890.26	98.22	40.607	
10,300.00	6,227.00	4,948.00	4,704.85	87.19	24.49	-63.63	5,733.26	-69.07	3,939.85	3,840.99	98.86	39.853	
10,400.00	6,227.00	4,948.00	4,704.85	88.38	24.49	-63.63	5,733.26	-69.07	3,893.19	3,793.69	99.50	39.128	
10,500.00	6,227.00	4,919.18	4,680.32	89.60	24.20	-63.16	5,736.99	-54.41	3,848.30	3,748.60	99.70	38.598	
10,600.00	6,227.00	4,913.58	4,675.53	90.84	24.15	-63.07	5,737.71	-51.59	3,805.66	3,705.41	100.24	37.964	
10,700.00	6,227.00	4,908.00	4,670.76	92.11	24.09	-62.98	5,738.43	-48.80	3,765.17	3,664.39	100.78	37.361	
10,800.00	6,227.00	4,902.43	4,665.99	93.39	24.04	-62.89	5,739.15	-46.02	3,726.91	3,625.61	101.30	36.790	
10,900.00	6,227.00	4,896.88	4,661.22	94.70	23.98	-62.80	5,739.86	-43.26	3,690.94	3,589.13	101.81	36.252	
11,000.00	6,227.00	4,891.35	4,656.47	96.03	23.93	-62.71	5,740.57	-40.52	3,657.33	3,555.02	102.31	35.747	
11,100.00	6,227.00	4,885.83	4,651.72	97.37	23.87	-62.62	5,741.28	-37.80	3,626.15	3,523.37	102.79	35.278	
11,200.00	6,227.00	4,880.32	4,646.98	98.74	23.82	-62.53	5,741.98	-35.09	3,597.47	3,494.22	103.25	34.843	
11,300.00	6,227.00	4,852.00	4,622.48	100.12	23.54	-62.06	5,745.59	-21.35	3,571.50	3,468.19	103.31	34.572	
11,400.00	6,227.00	4,852.00	4,622.48	101.51	23.54	-62.06	5,745.59	-21.35	3,547.90	3,444.09	103.81	34.178	
11,500.00	6,227.00	4,852.00	4,622.48	102.92	23.54	-62.06	5,745.59	-21.35	3,526.97	3,422.69	104.28	33.823	
11,600.00	6,227.00	4,850.00	4,620.75	104.35	23.52	-62.03	5,745.85	-20.38	3,508.77	3,404.08	104.69	33.516	
11,700.00	6,227.00	4,855.92	4,625.88	105.79	23.57	-62.13	5,745.09	-23.23	3,493.34	3,388.14	105.20	33.206	
11,800.00	6,227.00	4,835.29	4,607.99	107.24	23.38	-61.79	5,747.72	-13.30	3,480.69	3,375.46	105.24	33.075	
11,900.00	6,227.00	4,814.23	4,589.74	108.71	23.17	-61.44	5,750.43	-3.12	3,470.80	3,365.58	105.23	32.984	
12,000.00	6,227.00	4,792.71	4,571.14	110.19	22.96	-61.09	5,753.23	7.32	3,463.69	3,358.52	105.17	32.934	
12,100.00	6,227.00	4,770.73	4,552.17	111.68	22.75	-60.73	5,756.12	18.03	3,459.38	3,354.31	105.07	32.925	
12,200.00	6,227.00	4,757.00	4,540.33	113.18	22.62	-60.50	5,757.95	24.74	3,457.87	3,352.80	105.07	32.910 ES	
12,204.99	6,227.00	4,751.77	4,535.83	113.25	22.57	-60.42	5,758.64	27.30	3,457.86	3,352.87	104.99	32.935 CC	
12,300.00	6,227.00	4,740.39	4,526.01	114.68	22.46	-60.23	5,760.15	32.88	3,459.19	3,354.21	104.99	32.949	
12,400.00	6,227.00	4,728.42	4,515.70	116.20	22.34	-60.03	5,761.75	38.73	3,463.36	3,358.42	104.94	33.002	
12,500.00	6,227.00	4,716.47	4,505.39	117.73	22.23	-59.84	5,763.33	44.57	3,470.36	3,365.49	104.86	33.094	
12,600.00	6,227.00	4,704.54	4,495.10	119.27	22.11	-59.64	5,764.92	50.39	3,480.17	3,375.42	104.75	33.223	
12,700.00	6,227.00	4,692.63	4,484.83	120.81	22.00	-59.44	5,766.49	56.21	3,492.77	3,388.17	104.60	33.391	
12,800.00	6,227.00	4,680.73	4,474.56	122.37	21.89	-59.25	5,768.07	62.01	3,508.14	3,403.72	104.42	33.596	
12,900.00	6,227.00	4,668.86	4,464.31	123.93	21.77	-59.05	5,769.64	67.79	3,526.23	3,422.02	104.21	33.839	
13,000.00	6,227.00	4,662.00	4,458.39	125.49	21.71	-58.94	5,770.55	71.13	3,547.00	3,442.95	104.05	34.090	
13,100.00	6,227.00	4,646.34	4,444.86	127.07	21.56	-58.68	5,772.60	78.76	3,570.41	3,466.70	103.71	34.428	
13,200.00	6,227.00	4,635.73	4,435.70	128.65	21.46	-58.51	5,773.96	83.92	3,596.41	3,492.99	103.43	34.773	
13,300.00	6,227.00	4,625.44	4,426.80	130.24	21.36	-58.34	5,775.26	88.93	3,624.95	3,521.83	103.12	35.151	
13,400.00	6,227.00	7,620.66	6,420.90	131.83	35.57	-92.81	6,750.65	-590.47	3,638.52	3,487.96	150.56	24.167	
13,500.00	6,227.00	7,780.00	6,420.32	133.43	36.50	-92.79	6,909.81	-597.84	3,643.51	3,488.98	154.53	23.578	
13,600.00	6,227.00	7,947.14	6,419.44	135.03	37.73	-92.77	7,076.86	-602.57	3,646.68	3,487.91	158.77	22.968	
13,700.00	6,227.00	8,010.60	6,419.73	136.64	38.26	-92.78	7,140.30	-604.19	3,649.52	3,488.58	160.93	22.677	
13,800.00	6,227.00	8,116.00	6,419.31	138.25	39.23	-92.77	7,245.66	-606.98	3,652.49	3,488.46	164.02	22.268	
13,900.00	6,227.00	8,168.87	6,419.42	139.87	39.76	-92.77	7,298.50	-608.64	3,656.08	3,490.06	166.02	22.022	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
14,000.00	6,227.00	8,224.76	6,419.39	141.50	40.35	-92.77	7,354.32	-611.35	3,661.16	3,493.08	168.08	21.782	
14,100.00	6,227.00	8,432.40	6,422.04	143.12	42.70	-92.80	7,561.81	-618.57	3,664.83	3,491.25	173.58	21.113	
14,200.00	6,227.00	8,536.17	6,422.96	144.76	43.95	-92.81	7,665.55	-620.98	3,667.55	3,490.74	176.81	20.743	
14,300.00	6,227.00	8,689.97	6,420.91	146.39	45.89	-92.78	7,819.32	-623.30	3,669.34	3,488.18	181.17	20.254	
14,400.00	6,227.00	8,757.28	6,421.04	148.03	46.77	-92.78	7,886.62	-624.06	3,670.83	3,487.18	183.65	19.988	
14,500.00	6,227.00	8,877.29	6,421.13	149.67	48.37	-92.78	8,006.61	-625.93	3,672.79	3,485.48	187.32	19.607	
14,600.00	6,227.00	8,919.60	6,420.73	151.32	48.95	-92.77	8,048.91	-626.68	3,674.92	3,485.65	189.26	19.417	
14,700.00	6,227.00	8,977.00	6,420.66	152.97	49.76	-92.77	8,106.27	-628.89	3,678.83	3,487.30	191.53	19.207	
14,800.00	6,227.00	9,018.14	6,420.74	154.62	50.35	-92.77	8,147.35	-631.03	3,684.01	3,490.60	193.40	19.048	
14,900.00	6,227.00	9,184.41	6,421.07	156.28	52.77	-92.77	8,313.41	-639.25	3,689.62	3,491.33	198.29	18.607	
15,000.00	6,227.00	9,300.17	6,420.41	157.94	54.48	-92.76	8,429.11	-642.91	3,693.07	3,491.09	201.98	18.284	
15,100.00	6,227.00	9,377.43	6,419.32	159.60	55.63	-92.74	8,506.31	-645.69	3,696.92	3,492.15	204.77	18.054	
15,200.00	6,227.00	9,501.81	6,418.50	161.27	57.52	-92.72	8,630.61	-650.18	3,700.89	3,492.19	208.69	17.734	
15,300.00	6,227.00	9,588.43	6,416.63	162.94	58.84	-92.69	8,717.17	-652.76	3,704.15	3,492.42	211.73	17.495	
15,400.00	6,227.00	9,646.00	6,416.08	164.61	59.73	-92.68	8,774.68	-655.18	3,708.60	3,494.54	214.06	17.325	
15,500.00	6,227.00	9,760.20	6,418.30	166.28	61.51	-92.71	8,888.75	-660.08	3,713.33	3,495.54	217.78	17.050	
15,600.00	6,227.00	9,837.00	6,420.42	167.95	62.72	-92.74	8,965.44	-663.51	3,718.25	3,497.66	220.59	16.856	
15,700.00	6,227.00	9,932.00	6,421.58	169.63	64.23	-92.75	9,060.33	-667.91	3,723.29	3,499.43	223.86	16.632	
15,800.00	6,227.00	10,028.00	6,421.32	171.31	65.77	-92.75	9,156.21	-672.77	3,728.68	3,501.52	227.16	16.414	
15,900.00	6,227.00	10,103.98	6,421.70	172.99	66.99	-92.75	9,232.06	-677.09	3,734.65	3,504.69	229.97	16.240	
16,000.00	6,227.00	10,249.13	6,426.52	174.68	69.34	-92.82	9,376.96	-684.01	3,739.86	3,505.34	234.51	15.947	
16,100.00	6,227.00	10,314.00	6,428.90	176.36	70.39	-92.85	9,441.72	-686.99	3,745.04	3,507.99	237.05	15.799	
16,200.00	6,227.00	10,410.00	6,432.00	178.05	71.96	-92.89	9,537.53	-692.10	3,750.86	3,510.49	240.37	15.604	
16,300.00	6,227.00	10,600.71	6,434.27	179.74	75.09	-92.92	9,728.05	-700.02	3,755.32	3,509.26	246.06	15.262	
16,400.00	6,227.00	10,672.80	6,433.51	181.43	76.27	-92.91	9,800.08	-702.56	3,759.14	3,510.32	248.82	15.108	
16,500.00	6,227.00	10,755.60	6,432.21	183.13	77.64	-92.88	9,882.80	-706.06	3,763.61	3,511.78	251.84	14.945	
16,600.00	6,227.00	10,830.03	6,430.56	184.82	78.88	-92.86	9,957.13	-709.52	3,768.52	3,513.88	254.64	14.799	
16,700.00	6,227.00	10,896.27	6,428.88	186.52	79.99	-92.83	10,023.24	-713.22	3,774.31	3,517.08	257.23	14.673	
16,800.00	6,227.00	10,981.00	6,426.17	188.22	81.41	-92.78	10,107.76	-718.57	3,780.80	3,520.50	260.30	14.525	
16,900.00	6,227.00	11,044.73	6,423.58	189.92	82.49	-92.74	10,171.28	-723.05	3,787.95	3,525.14	262.81	14.413	
17,000.81	6,227.00	11,175.53	6,416.10	191.63	84.72	-92.62	10,301.50	-732.70	3,795.56	3,528.44	267.12	14.209 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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	50.17	50.17	0.00	0.08	7.06	6,041.95	748.26	6,088.21				
100.00	100.00	224.99	224.97	0.27	0.61	7.05	6,039.53	747.36	6,086.61	6,085.72	0.88	6,890.534	
200.00	200.00	314.31	314.28	0.63	0.93	7.05	6,037.98	747.18	6,084.86	6,083.30	1.56	3,901.981	
300.00	300.00	419.97	419.92	0.99	1.31	7.06	6,036.19	747.24	6,083.19	6,080.89	2.30	2,649.929	
400.00	399.98	488.78	488.72	1.34	1.56	-76.37	6,035.17	747.17	6,081.29	6,078.40	2.89	2,101.247	
500.00	499.84	582.57	582.51	1.69	1.90	-76.46	6,034.17	746.90	6,078.96	6,075.37	3.58	1,696.030	
600.00	599.45	682.22	682.15	2.06	2.26	-76.60	6,033.03	746.58	6,075.75	6,071.44	4.31	1,410.480	
700.00	698.70	773.43	773.36	2.44	2.58	-76.78	6,032.11	746.18	6,071.86	6,066.85	5.02	1,210.147	
800.00	797.47	882.29	882.20	2.85	2.97	-77.04	6,031.02	745.43	6,067.18	6,061.37	5.81	1,043.809	
900.00	895.62	977.48	977.39	3.29	3.32	-77.32	6,030.02	744.55	6,061.71	6,055.12	6.59	920.271	
1,000.00	993.06	1,084.47	1,084.36	3.76	3.70	-77.67	6,028.88	743.53	6,055.53	6,048.09	7.44	814.088	
1,100.00	1,089.64	1,180.64	1,180.52	4.27	4.04	-78.05	6,027.68	742.67	6,048.53	6,040.24	8.29	729.430	
1,200.00	1,185.27	1,263.92	1,263.79	4.83	4.34	-78.42	6,026.79	741.87	6,041.10	6,031.95	9.15	660.509	
1,300.00	1,279.82	1,362.52	1,362.39	5.45	4.70	-78.89	6,025.79	740.93	6,033.18	6,023.07	10.11	596.975	
1,400.00	1,373.17	1,449.44	1,449.29	6.12	5.01	-79.35	6,024.90	740.15	6,024.78	6,013.70	11.08	543.686	
1,500.00	1,465.21	1,538.89	1,538.74	6.85	5.33	-79.86	6,024.09	739.38	6,016.09	6,003.96	12.13	496.108	
1,600.00	1,555.84	1,639.33	1,639.18	7.65	5.69	-80.45	6,023.10	738.47	6,006.98	5,993.70	13.28	452.476	
1,700.00	1,644.94	1,755.25	1,755.08	8.51	6.11	-81.14	6,021.54	737.95	5,997.31	5,982.77	14.55	412.253	
1,800.00	1,732.39	1,826.04	1,825.86	9.45	6.36	-81.66	6,020.52	737.95	5,987.42	5,971.69	15.73	380.619	
1,827.18	1,755.86	1,845.85	1,845.67	9.72	6.43	-81.81	6,020.26	737.98	5,984.74	5,968.67	16.07	372.504	
1,900.00	1,818.58	2,976.00	2,965.75	10.44	10.77	-87.82	5,910.78	682.21	5,974.47	5,953.88	20.59	290.183	
2,000.00	1,904.71	2,976.00	2,965.75	11.46	10.77	-87.82	5,910.78	682.21	5,951.06	5,929.43	21.63	275.147	
2,100.00	1,990.83	3,045.06	3,033.28	12.49	11.07	-88.23	5,898.46	674.72	5,928.25	5,905.34	22.91	258.736	
2,200.00	2,076.96	3,102.00	3,089.17	13.53	11.32	-88.57	5,889.16	669.01	5,907.06	5,882.88	24.17	244.393	
2,300.00	2,163.08	3,699.18	3,668.37	14.57	14.15	-92.27	5,765.29	596.41	5,883.97	5,856.78	27.19	216.386	
2,400.00	2,249.21	3,765.86	3,732.22	15.62	14.50	-92.70	5,748.57	586.96	5,857.19	5,828.68	28.52	205.395	
2,500.00	2,335.33	3,842.24	3,805.34	16.68	14.91	-93.21	5,729.41	575.92	5,831.07	5,801.19	29.88	195.124	
2,600.00	2,421.45	3,913.23	3,873.26	17.74	15.29	-93.67	5,711.61	565.53	5,805.61	5,774.37	31.25	185.808	
2,700.00	2,507.58	3,976.00	3,933.35	18.81	15.62	-94.09	5,695.90	556.41	5,780.89	5,748.30	32.59	177.393	
2,800.00	2,593.70	4,017.65	3,973.27	19.87	15.85	-94.37	5,685.63	550.43	5,757.14	5,723.27	33.87	169.976	
2,900.00	2,679.83	4,055.52	4,009.64	20.94	16.05	-94.62	5,676.53	545.09	5,734.55	5,699.40	35.15	163.162	
3,000.00	2,765.95	4,101.00	4,053.42	22.01	16.29	-94.92	5,665.92	538.80	5,713.13	5,676.68	36.45	156.728	
3,100.00	2,852.08	4,163.36	4,113.47	23.09	16.63	-95.34	5,651.59	530.05	5,692.71	5,654.89	37.82	150.519	
3,200.00	2,938.20	4,237.29	4,184.58	24.16	17.02	-95.83	5,634.54	519.14	5,672.99	5,633.76	39.23	144.604	
3,300.00	3,024.32	4,301.78	4,246.60	25.24	17.37	-96.27	5,619.73	509.52	5,654.08	5,613.46	40.62	139.203	
3,400.00	3,110.45	4,351.00	4,293.97	26.32	17.64	-96.60	5,608.50	502.27	5,636.06	5,594.10	41.96	134.333	
3,500.00	3,196.57	4,389.66	4,331.26	27.40	17.84	-96.86	5,599.91	496.83	5,619.19	5,575.94	43.26	129.903	
3,600.00	3,282.70	4,421.59	4,362.19	28.48	18.01	-97.08	5,593.12	492.67	5,603.65	5,559.11	44.54	125.822	
3,700.00	3,368.82	4,477.00	4,416.08	29.56	18.30	-97.44	5,582.00	486.18	5,589.52	5,543.63	45.89	121.794	
3,800.00	3,454.95	4,477.00	4,416.08	30.64	18.30	-97.44	5,582.00	486.18	5,576.51	5,529.44	47.06	118.485	
3,900.00	3,541.07	4,530.64	4,468.42	31.72	18.56	-97.79	5,571.87	480.28	5,564.76	5,516.36	48.41	114.956	
4,000.00	3,627.19	4,571.50	4,508.34	32.80	18.77	-98.05	5,564.45	475.71	5,554.26	5,504.55	49.71	111.739	
4,100.00	3,713.32	4,618.09	4,553.91	33.89	19.00	-98.36	5,556.29	470.42	5,544.95	5,493.93	51.02	108.676	
4,200.00	3,799.44	4,681.89	4,616.37	34.97	19.31	-98.77	5,545.37	463.41	5,536.64	5,484.25	52.39	105.677	
4,300.00	3,885.57	4,820.33	4,752.06	36.05	19.98	-99.66	5,521.71	449.40	5,529.06	5,475.06	54.00	102.389	
4,400.00	3,971.69	4,853.00	4,784.04	37.14	20.14	-99.87	5,515.83	446.31	5,521.49	5,466.23	55.26	99.915	
4,500.00	4,057.82	4,909.06	4,839.05	38.22	20.41	-100.23	5,506.17	441.39	5,514.94	5,458.35	56.59	97.459	
4,600.00	4,143.94	4,978.00	4,907.00	39.31	20.73	-100.65	5,495.80	436.16	5,510.30	5,452.35	57.95	95.087	
4,700.00	4,230.06	4,978.00	4,907.00	40.39	20.73	-100.65	5,495.80	436.16	5,506.32	5,447.23	59.08	93.193	
4,800.00	4,316.19	4,978.00	4,907.00	41.48	20.73	-100.65	5,495.80	436.16	5,504.15	5,443.94	60.21	91.423	
4,900.00	4,402.31	5,044.95	4,973.24	42.57	21.02	-101.06	5,487.09	431.88	5,502.95	5,441.42	61.53	89.436	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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
4,934.95	4,432.41	5,058.66	4,986.83	42.95	21.08	-101.14	5,485.44	431.09	5,502.87	5,440.91	61.96	88.814	
5,000.00	4,488.44	5,102.00	5,029.83	43.65	21.26	-101.40	5,480.55	428.80	5,503.19	5,440.38	62.82	87.609	
5,100.00	4,574.56	5,102.00	5,029.83	44.74	21.26	-101.40	5,480.55	428.80	5,504.64	5,440.74	63.90	86.140	
5,200.00	4,660.69	5,156.49	5,084.00	45.83	21.47	-101.72	5,475.17	426.44	5,507.27	5,442.11	65.15	84.532	
5,300.00	4,746.81	5,227.00	5,154.26	46.91	21.75	-102.12	5,469.66	424.39	5,511.51	5,445.06	66.44	82.951	
5,400.00	4,832.93	5,227.00	5,154.26	48.00	21.75	-102.12	5,469.66	424.39	5,516.50	5,449.01	67.49	81.735	
5,500.00	4,919.06	5,227.00	5,154.26	49.09	21.75	-102.12	5,469.66	424.39	5,523.30	5,454.78	68.52	80.608	
5,600.00	5,005.18	5,295.72	5,222.86	50.17	21.99	-102.49	5,465.80	423.03	5,530.82	5,461.06	69.77	79.277	
5,700.00	5,091.31	5,353.00	5,280.09	51.26	22.19	-102.81	5,463.67	422.02	5,540.03	5,469.06	70.96	78.067	
5,800.00	5,177.43	5,353.00	5,280.09	52.35	22.19	-102.81	5,463.67	422.02	5,550.28	5,478.33	71.95	77.142	
5,900.00	5,263.56	5,413.82	5,340.89	53.44	22.39	-103.13	5,462.33	421.25	5,561.70	5,488.57	73.13	76.056	
6,000.00	5,349.68	5,478.00	5,405.06	54.53	22.59	-103.46	5,461.77	420.99	5,574.26	5,499.95	74.31	75.014	
6,100.00	5,435.80	5,542.48	5,469.55	55.61	22.78	-103.79	5,461.64	421.11	5,587.59	5,512.11	75.47	74.036	
6,200.00	5,521.93	5,639.74	5,566.80	56.70	23.07	-104.28	5,461.36	421.64	5,601.22	5,524.48	76.74	72.993	
6,300.00	5,608.05	5,729.47	5,656.53	57.79	23.33	-104.74	5,461.01	422.15	5,615.18	5,537.21	77.97	72.021	
6,400.00	5,694.18	5,817.19	5,744.25	58.88	23.60	-105.18	5,460.61	422.62	5,629.52	5,550.33	79.19	71.093	
6,479.32	5,762.49	5,886.88	5,813.94	59.74	23.81	-105.53	5,460.27	422.96	5,641.18	5,561.03	80.15	70.383	
6,500.00	5,780.28	5,905.06	5,832.11	59.97	23.86	-102.06	5,460.17	423.04	5,643.91	5,563.51	80.40	70.196	
6,550.00	5,822.98	5,948.64	5,875.70	60.51	23.99	-94.17	5,459.93	423.22	5,647.74	5,566.72	81.02	69.705	
6,600.00	5,865.00	5,987.74	5,914.79	61.05	24.11	-87.15	5,459.70	423.37	5,647.64	5,566.00	81.64	69.178	
6,650.00	5,906.01	6,013.00	5,940.05	61.57	24.19	-81.10	5,459.57	423.43	5,643.69	5,561.47	82.21	68.646	
6,700.00	5,945.70	6,013.00	5,940.05	62.08	24.19	-75.95	5,459.57	423.43	5,636.08	5,553.38	82.69	68.155	
6,750.00	5,983.77	6,013.00	5,940.05	62.56	24.19	-71.80	5,459.57	423.43	5,624.93	5,541.77	83.17	67.634	
6,800.00	6,019.92	6,031.35	5,958.40	63.02	24.25	-68.69	5,459.67	423.45	5,610.12	5,526.43	83.69	67.031	
6,850.00	6,053.90	6,045.00	5,972.05	63.45	24.29	-66.38	5,459.99	423.48	5,592.03	5,507.84	84.19	66.421	
6,900.00	6,085.42	6,045.00	5,972.05	63.86	24.29	-64.73	5,459.99	423.48	5,570.56	5,485.94	84.62	65.832	
6,950.00	6,114.26	6,045.00	5,972.05	64.23	24.29	-63.78	5,459.99	423.48	5,545.95	5,460.92	85.02	65.229	
7,000.00	6,140.20	6,045.00	5,972.05	64.58	24.29	-63.51	5,459.99	423.48	5,518.33	5,432.93	85.41	64.613	
7,050.00	6,163.03	6,045.00	5,972.05	64.89	24.29	-63.91	5,459.99	423.48	5,487.89	5,402.13	85.77	63.988	
7,100.00	6,182.59	6,045.00	5,972.05	65.17	24.29	-65.02	5,459.99	423.48	5,454.81	5,368.71	86.10	63.355	
7,150.00	6,198.73	6,045.00	5,972.05	65.42	24.29	-66.91	5,459.99	423.48	5,419.28	5,332.87	86.41	62.716	
7,200.00	6,211.32	6,045.00	5,972.05	65.65	24.29	-69.68	5,459.99	423.48	5,381.55	5,294.85	86.70	62.073	
7,250.00	6,220.26	6,045.00	5,972.05	65.84	24.29	-73.46	5,459.99	423.48	5,341.84	5,254.88	86.96	61.427	
7,300.00	6,225.50	6,045.00	5,972.05	66.01	24.29	-78.46	5,459.99	423.48	5,300.42	5,213.22	87.20	60.781	
7,344.70	6,227.00	6,045.00	5,972.05	66.14	24.29	-84.12	5,459.99	423.48	5,262.17	5,174.77	87.41	60.204	
7,400.00	6,227.00	6,045.00	5,972.05	66.29	24.29	-84.12	5,459.99	423.48	5,214.31	5,126.67	87.65	59.493	
7,500.00	6,227.00	6,045.00	5,972.05	66.58	24.29	-84.12	5,459.99	423.48	5,128.14	5,040.05	88.09	58.213	
7,600.00	6,227.00	6,045.00	5,972.05	66.90	24.29	-84.12	5,459.99	423.48	5,042.48	4,953.92	88.56	56.941	
7,700.00	6,227.00	6,045.00	5,972.05	67.24	24.29	-84.12	5,459.99	423.48	4,957.36	4,868.32	89.04	55.675	
7,800.00	6,227.00	6,059.52	5,986.55	67.61	24.32	-84.43	5,460.66	423.48	4,872.58	4,782.97	89.61	54.377	
7,900.00	6,227.00	6,060.14	5,987.17	68.00	24.32	-84.44	5,460.70	423.48	4,788.60	4,698.46	90.13	53.127	
8,000.00	6,227.00	6,060.78	5,987.81	68.43	24.33	-84.46	5,460.74	423.48	4,705.24	4,614.56	90.68	51.887	
8,100.00	6,227.00	6,061.45	5,988.48	68.88	24.33	-84.47	5,460.78	423.48	4,622.54	4,531.29	91.25	50.656	
8,200.00	6,227.00	6,062.15	5,989.18	69.36	24.33	-84.49	5,460.83	423.48	4,540.54	4,448.69	91.85	49.436	
8,300.00	6,227.00	6,076.00	6,002.98	69.88	24.36	-84.79	5,461.93	423.42	4,459.45	4,366.92	92.53	48.197	
8,400.00	6,227.00	6,076.00	6,002.98	70.43	24.36	-84.79	5,461.93	423.42	4,378.93	4,285.77	93.17	47.002	
8,500.00	6,227.00	6,076.00	6,002.98	71.00	24.36	-84.79	5,461.93	423.42	4,299.23	4,205.41	93.83	45.820	
8,600.00	6,227.00	6,076.00	6,002.98	71.62	24.36	-84.79	5,461.93	423.42	4,220.40	4,125.88	94.52	44.652	
8,700.00	6,227.00	6,076.00	6,002.98	72.26	24.36	-84.79	5,461.93	423.42	4,142.48	4,047.25	95.23	43.499	
8,800.00	6,227.00	6,076.00	6,002.98	72.94	24.36	-84.79	5,461.93	423.42	4,065.53	3,969.56	95.97	42.361	
8,900.00	6,227.00	6,076.00	6,002.98	73.66	24.36	-84.79	5,461.93	423.42	3,989.60	3,892.86	96.74	41.240	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 J-F-24HZ - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	6,076.00	6,002.98	74.41	24.36	-84.79	5,461.93	423.42	3,914.76	3,817.22	97.54	40.137	
9,100.00	6,227.00	6,076.00	6,002.98	75.19	24.36	-84.79	5,461.93	423.42	3,841.05	3,742.70	98.36	39.052	
9,200.00	6,227.00	6,076.00	6,002.98	76.01	24.36	-84.79	5,461.93	423.42	3,768.56	3,669.36	99.21	37.987	
9,300.00	6,227.00	6,076.00	6,002.98	76.86	24.36	-84.79	5,461.93	423.42	3,697.36	3,597.28	100.08	36.944	
9,400.00	6,227.00	6,076.00	6,002.98	77.75	24.36	-84.79	5,461.93	423.42	3,627.51	3,526.53	100.98	35.923	
9,500.00	6,227.00	6,076.00	6,002.98	78.67	24.36	-84.79	5,461.93	423.42	3,559.10	3,457.20	101.91	34.925	
9,600.00	6,227.00	6,076.00	6,002.98	79.63	24.36	-84.79	5,461.93	423.42	3,492.22	3,389.36	102.86	33.952	
9,700.00	6,227.00	6,076.00	6,002.98	80.62	24.36	-84.79	5,461.93	423.42	3,426.95	3,323.12	103.83	33.006	
9,800.00	6,227.00	6,076.00	6,002.98	81.64	24.36	-84.79	5,461.93	423.42	3,363.38	3,258.56	104.82	32.087	
9,900.00	6,227.00	6,076.00	6,002.98	82.69	24.36	-84.79	5,461.93	423.42	3,301.63	3,195.79	105.83	31.197	
10,000.00	6,227.00	6,076.00	6,002.98	83.77	24.36	-84.79	5,461.93	423.42	3,241.78	3,134.92	106.86	30.338	
10,100.00	6,227.00	6,076.00	6,002.98	84.88	24.36	-84.79	5,461.93	423.42	3,183.94	3,076.05	107.89	29.510	
10,200.00	6,227.00	6,076.00	6,002.98	86.02	24.36	-84.79	5,461.93	423.42	3,128.24	3,019.30	108.94	28.716	
10,300.00	6,227.00	6,090.04	6,016.94	87.19	24.40	-85.09	5,463.47	423.32	3,074.62	2,964.53	110.09	27.929	
10,400.00	6,227.00	6,092.66	6,019.54	88.38	24.40	-85.15	5,463.80	423.30	3,023.46	2,912.31	111.15	27.201	
10,500.00	6,227.00	6,106.00	6,032.73	89.60	24.43	-85.44	5,465.74	423.18	2,974.86	2,862.56	112.30	26.491	
10,600.00	6,227.00	6,106.00	6,032.73	90.84	24.43	-85.44	5,465.74	423.18	2,928.72	2,815.39	113.33	25.843	
10,700.00	6,227.00	6,106.00	6,032.73	92.11	24.43	-85.44	5,465.74	423.18	2,885.31	2,770.98	114.33	25.236	
10,800.00	6,227.00	6,106.00	6,032.73	93.39	24.43	-85.44	5,465.74	423.18	2,844.75	2,729.44	115.31	24.670	
10,900.00	6,227.00	6,106.00	6,032.73	94.70	24.43	-85.44	5,465.74	423.18	2,807.18	2,690.93	116.25	24.148	
11,000.00	6,227.00	6,119.71	6,046.24	96.03	24.46	-85.73	5,468.10	423.06	2,772.62	2,655.35	117.27	23.644	
11,100.00	6,227.00	6,128.23	6,054.59	97.37	24.47	-85.92	5,469.75	423.00	2,741.24	2,623.06	118.19	23.194	
11,200.00	6,227.00	6,138.00	6,064.15	98.74	24.49	-86.12	5,471.81	422.95	2,713.12	2,594.06	119.06	22.787	
11,300.00	6,227.00	6,151.79	6,077.57	100.12	24.52	-86.42	5,474.94	422.89	2,688.33	2,568.42	119.91	22.420	
11,400.00	6,227.00	6,169.00	6,094.26	101.51	24.55	-86.78	5,479.15	422.82	2,666.93	2,546.21	120.72	22.092	
11,500.00	6,227.00	6,180.30	6,105.17	102.92	24.56	-87.02	5,482.08	422.77	2,649.00	2,527.61	121.40	21.821	
11,600.00	6,227.00	6,200.00	6,124.11	104.35	24.60	-87.44	5,487.51	422.62	2,634.63	2,512.55	122.08	21.582	
11,700.00	6,227.00	6,216.38	6,139.73	105.79	24.62	-87.78	5,492.42	422.48	2,623.78	2,501.15	122.63	21.395	
11,800.00	6,227.00	6,287.23	6,205.19	107.24	24.70	-89.21	5,519.37	422.78	2,616.23	2,492.52	123.71	21.148	
11,900.00	6,227.00	6,332.28	6,244.59	108.71	24.73	-90.08	5,541.17	423.72	2,611.35	2,486.88	124.47	20.981	
12,000.00	6,227.00	6,363.18	6,270.51	110.19	24.74	-90.65	5,557.99	424.23	2,609.60	2,484.61	124.99	20.878	
12,005.04	6,227.00	6,364.73	6,271.78	110.26	24.74	-90.68	5,558.87	424.25	2,609.60	2,484.58	125.02	20.874 CC, ES	
12,100.00	6,227.00	6,395.41	6,296.39	111.68	24.75	-91.22	5,577.16	424.45	2,611.00	2,485.52	125.47	20.810	
12,200.00	6,227.00	6,432.08	6,324.38	113.18	24.75	-91.83	5,600.85	424.19	2,615.43	2,489.47	125.96	20.764	
12,300.00	6,227.00	6,497.75	6,370.95	114.68	24.75	-92.85	5,647.08	422.99	2,622.37	2,495.53	126.85	20.674	
12,400.00	6,227.00	6,590.08	6,426.50	116.20	24.74	-94.06	5,720.63	420.07	2,631.09	2,502.87	128.22	20.520	
12,500.00	6,227.00	6,855.00	6,521.33	117.73	24.84	-96.10	5,965.56	414.14	2,637.37	2,504.48	132.89	19.846	
12,600.00	6,227.00	7,011.00	6,533.85	119.27	25.20	-96.37	6,120.83	412.10	2,640.02	2,504.07	135.95	19.419	
12,700.00	6,227.00	7,075.14	6,535.31	120.81	25.45	-96.40	6,184.95	411.30	2,641.89	2,504.52	137.37	19.232	
12,800.00	6,227.00	7,254.86	6,536.17	122.37	26.44	-96.41	6,364.65	409.86	2,643.17	2,501.87	141.30	18.707	
12,821.85	6,227.00	7,265.95	6,536.08	122.71	26.51	-96.41	6,375.74	409.91	2,643.12	2,501.54	141.58	18.668	
12,900.00	6,227.00	7,308.00	6,535.48	123.93	26.81	-96.40	6,417.78	409.67	2,643.69	2,501.03	142.66	18.531	
13,000.00	6,227.00	7,339.00	6,534.75	125.49	27.04	-96.38	6,448.76	408.75	2,646.47	2,502.97	143.50	18.442	
13,100.00	6,227.00	7,388.25	6,533.55	127.07	27.43	-96.35	6,497.92	406.18	2,651.56	2,506.81	144.75	18.318	
13,200.00	6,227.00	7,443.02	6,532.63	128.65	27.89	-96.32	6,552.56	402.55	2,658.31	2,512.17	146.14	18.191	
13,300.00	6,227.00	7,656.06	6,532.49	130.24	29.92	-96.29	6,765.31	391.89	2,663.46	2,511.72	151.74	17.553	
13,400.00	6,227.00	7,763.41	6,534.49	131.83	31.07	-96.32	6,872.60	389.05	2,666.64	2,511.94	154.70	17.238	
13,500.00	6,227.00	7,839.00	6,535.54	133.43	31.92	-96.34	6,948.14	386.70	2,670.21	2,513.34	156.87	17.022	
13,600.00	6,227.00	7,940.89	6,536.38	135.03	33.12	-96.35	7,049.97	383.28	2,673.98	2,514.18	159.80	16.733	
13,700.00	6,227.00	8,043.10	6,535.24	136.64	34.38	-96.31	7,152.11	379.79	2,677.59	2,514.79	162.80	16.447	
13,800.00	6,227.00	8,149.08	6,533.39	138.25	35.75	-96.26	7,258.01	376.03	2,681.28	2,515.31	165.96	16.156	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
13,900.00	6,227.00	8,265.08	6,531.11	139.87	37.29	-96.21	7,373.93	372.47	2,684.44	2,514.98	169.46	15.841		
14,000.00	6,227.00	8,377.34	6,529.59	141.50	38.82	-96.17	7,486.13	369.43	2,687.35	2,514.45	172.90	15.543		
14,100.00	6,227.00	8,500.35	6,528.39	143.12	40.55	-96.13	7,609.09	366.38	2,690.20	2,513.53	176.68	15.227		
14,200.00	6,227.00	8,572.58	6,528.37	144.76	41.58	-96.13	7,681.31	364.92	2,692.51	2,513.49	179.01	15.041		
14,300.00	6,227.00	8,680.00	6,527.77	146.39	43.15	-96.11	7,788.70	362.56	2,694.97	2,512.57	182.40	14.775		
14,400.00	6,227.00	8,746.34	6,528.18	148.03	44.13	-96.11	7,855.00	360.36	2,698.46	2,513.87	184.59	14.619		
14,500.00	6,227.00	8,809.46	6,528.98	149.67	45.07	-96.12	7,918.05	357.53	2,703.18	2,516.52	186.66	14.482		
14,600.00	6,227.00	8,922.09	6,528.26	151.32	46.78	-96.10	8,030.53	352.20	2,708.19	2,517.89	190.30	14.231		
14,700.00	6,227.00	9,023.00	6,525.90	152.97	48.33	-96.04	8,131.34	348.33	2,712.09	2,518.51	193.59	14.010		
14,800.00	6,227.00	9,075.45	6,526.08	154.62	49.15	-96.03	8,183.72	345.78	2,717.40	2,522.06	195.34	13.911		
14,900.00	6,227.00	9,165.16	6,526.74	156.28	50.55	-96.03	8,273.23	339.85	2,724.34	2,526.05	198.29	13.739		
15,000.00	6,227.00	9,258.47	6,524.96	157.94	52.03	-95.98	8,366.33	333.98	2,730.77	2,529.39	201.38	13.560		
15,100.00	6,227.00	9,348.90	6,523.73	159.60	53.47	-95.94	8,456.55	327.90	2,737.68	2,533.30	204.39	13.395		
15,200.00	6,227.00	9,425.89	6,522.97	161.27	54.71	-95.91	8,533.31	322.01	2,745.48	2,538.54	206.94	13.267		
15,300.00	6,227.00	9,709.28	6,519.97	162.94	59.29	-95.83	8,816.38	310.86	2,748.61	2,532.44	216.16	12.715		
15,400.00	6,227.00	9,849.20	6,518.51	164.61	61.56	-95.79	8,956.28	309.53	2,750.01	2,529.32	220.69	12.461		
15,500.00	6,227.00	9,975.81	6,518.25	166.28	63.62	-95.79	9,082.87	310.78	2,749.33	2,524.53	224.80	12.230		
15,600.00	6,227.00	10,058.49	6,518.59	167.95	64.96	-95.80	9,165.54	311.82	2,748.48	2,520.81	227.67	12.072		
15,634.00	6,227.00	10,082.00	6,518.62	168.52	65.35	-95.80	9,189.06	312.04	2,748.33	2,519.82	228.51	12.027		
15,700.00	6,227.00	10,113.00	6,518.73	169.63	65.86	-95.80	9,220.06	311.98	2,748.72	2,519.01	229.71	11.966		
15,800.00	6,227.00	10,166.60	6,518.88	171.31	66.74	-95.80	9,273.65	311.00	2,750.86	2,519.20	231.67	11.874		
15,900.00	6,227.00	10,238.00	6,518.34	172.99	67.93	-95.78	9,345.01	308.81	2,754.22	2,520.07	234.15	11.763		
16,000.00	6,227.00	10,284.39	6,518.14	174.68	68.70	-95.78	9,391.36	306.79	2,759.02	2,523.23	235.79	11.701		
16,100.00	6,227.00	10,332.00	6,518.29	176.36	69.51	-95.77	9,438.85	303.57	2,765.98	2,528.59	237.39	11.652		
16,200.00	6,227.00	10,446.20	6,518.39	178.05	71.43	-95.76	9,552.79	295.80	2,773.05	2,531.74	241.31	11.492		
16,300.00	6,227.00	10,488.00	6,517.74	179.74	72.14	-95.74	9,594.44	292.39	2,781.36	2,538.70	242.66	11.462		
16,400.00	6,227.00	10,567.29	6,516.83	181.43	73.50	-95.70	9,673.33	284.49	2,791.42	2,546.08	245.34	11.378		
16,500.00	6,227.00	10,676.00	6,515.20	183.13	75.36	-95.64	9,781.53	274.15	2,801.06	2,551.94	249.12	11.244		
16,600.00	6,227.00	10,769.00	6,514.28	184.82	76.95	-95.61	9,874.15	265.80	2,810.29	2,557.97	252.32	11.138		
16,700.00	6,227.00	10,820.29	6,514.45	186.52	77.83	-95.60	9,925.15	260.43	2,821.10	2,567.18	253.92	11.110		
16,800.00	6,227.00	10,935.80	6,515.81	188.22	79.83	-95.60	10,039.96	247.72	2,832.51	2,574.53	257.99	10.979		
16,900.00	6,227.00	11,064.55	6,516.56	189.92	82.05	-95.59	10,168.11	235.34	2,842.31	2,579.76	262.54	10.826		
17,000.81	6,227.00	11,181.82	6,515.04	191.63	84.09	-95.54	10,284.80	223.87	2,852.37	2,585.71	266.66	10.696 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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	7.47	6,040.99	792.37	6,092.74				
100.00	100.00	119.28	119.28	0.27	0.21	7.47	6,040.95	792.48	6,092.71	6,092.23	0.48	N/A	
200.00	200.00	222.10	222.10	0.63	0.38	7.48	6,040.83	792.78	6,092.63	6,091.62	1.01	6,025.090	
300.00	300.00	324.92	324.92	0.99	0.56	7.48	6,040.64	793.25	6,092.51	6,090.96	1.55	3,937.255	
400.00	399.98	427.73	427.73	1.34	0.74	-75.92	6,040.38	793.89	6,091.91	6,089.83	2.08	2,932.454	
500.00	499.84	518.00	517.99	1.69	0.99	-75.98	6,040.13	794.55	6,090.46	6,087.78	2.68	2,269.322	
600.00	599.45	610.00	609.99	2.06	1.32	-76.09	6,040.08	795.18	6,088.40	6,085.02	3.38	1,801.663	
700.00	698.70	701.00	700.99	2.44	1.65	-76.24	6,040.15	795.73	6,085.61	6,081.52	4.09	1,488.954	
800.00	797.47	793.00	792.99	2.85	1.97	-76.44	6,040.34	796.08	6,082.13	6,077.31	4.82	1,261.945	
900.00	895.62	900.62	900.60	3.29	2.36	-76.70	6,040.56	796.59	6,077.88	6,072.24	5.64	1,078.066	
1,000.00	993.06	1,000.20	1,000.19	3.76	2.71	-77.00	6,040.65	797.07	6,072.79	6,066.33	6.46	940.096	
1,100.00	1,089.64	1,101.76	1,101.74	4.27	3.05	-77.36	6,040.82	796.97	6,067.01	6,059.70	7.31	829.521	
1,200.00	1,185.27	1,353.56	1,353.10	4.83	3.94	-78.09	6,035.95	807.27	6,058.63	6,049.88	8.75	692.671	
1,300.00	1,279.82	1,427.00	1,425.88	5.45	4.21	-78.41	6,033.18	816.59	6,049.14	6,039.52	9.63	628.404	
1,400.00	1,373.17	1,470.70	1,469.00	6.12	4.38	-78.68	6,031.67	823.48	6,039.67	6,029.21	10.46	577.420	
1,500.00	1,465.21	1,519.00	1,516.55	6.85	4.57	-78.96	6,030.45	831.89	6,030.52	6,019.15	11.37	530.319	
1,600.00	1,555.84	1,836.66	1,828.06	7.65	5.92	-79.89	6,015.02	891.92	6,017.44	6,003.96	13.48	446.241	
1,700.00	1,644.94	2,299.44	2,275.41	8.51	8.25	-81.19	5,971.56	1,000.86	6,001.89	5,985.34	16.55	362.694	
1,800.00	1,732.39	2,365.00	2,337.75	9.45	8.63	-81.72	5,963.13	1,019.31	5,982.26	5,964.42	17.83	335.462	
1,827.18	1,755.86	2,365.00	2,337.75	9.72	8.63	-81.82	5,963.13	1,019.31	5,976.99	5,958.89	18.10	330.228	
1,900.00	1,818.58	2,410.06	2,380.66	10.44	8.89	-81.92	5,957.64	1,031.92	5,963.00	5,943.93	19.07	312.722	
2,000.00	1,904.71	2,516.83	2,482.93	11.46	9.50	-82.19	5,945.51	1,060.08	5,944.47	5,923.82	20.65	287.884	
2,100.00	1,990.83	2,651.00	2,611.06	12.49	10.29	-82.51	5,928.77	1,096.16	5,924.83	5,902.43	22.40	264.505	
2,200.00	2,076.96	2,778.96	2,732.33	13.53	11.09	-82.79	5,911.69	1,133.23	5,904.55	5,880.39	24.16	244.348	
2,300.00	2,163.08	2,840.00	2,790.34	14.57	11.47	-82.93	5,904.25	1,150.69	5,885.41	5,859.84	25.57	230.205	
2,400.00	2,249.21	2,937.00	2,882.76	15.62	12.07	-83.16	5,892.13	1,177.55	5,866.22	5,839.05	27.17	215.929	
2,500.00	2,335.33	2,989.92	2,933.33	16.68	12.39	-83.29	5,885.42	1,191.61	5,847.16	5,818.63	28.53	204.969	
2,600.00	2,421.45	3,033.00	2,974.69	17.74	12.65	-83.40	5,880.74	1,202.73	5,829.46	5,799.62	29.84	195.354	
2,700.00	2,507.58	3,058.87	2,999.60	18.81	12.79	-83.47	5,878.21	1,209.25	5,812.80	5,781.74	31.06	187.141	
2,800.00	2,593.70	3,129.00	3,067.37	19.87	13.19	-83.67	5,871.98	1,226.15	5,797.24	5,764.73	32.51	178.314	
2,900.00	2,679.83	3,224.38	3,159.64	20.94	13.73	-83.94	5,863.73	1,248.81	5,782.11	5,748.03	34.09	169.628	
3,000.00	2,765.95	3,299.18	3,231.98	22.01	14.15	-84.15	5,857.06	1,266.67	5,766.87	5,731.31	35.56	162.159	
3,100.00	2,852.08	3,688.00	3,600.98	23.09	16.67	-85.06	5,811.06	1,379.26	5,747.80	5,708.96	38.84	147.990	
3,200.00	2,938.20	3,749.78	3,659.15	24.16	17.08	-85.19	5,802.31	1,398.13	5,728.02	5,687.71	40.31	142.097	
3,300.00	3,024.32	3,797.00	3,704.04	25.24	17.39	-85.31	5,796.40	1,411.54	5,709.52	5,667.82	41.70	136.920	
3,400.00	3,110.45	3,797.00	3,704.04	26.32	17.39	-85.31	5,796.40	1,411.54	5,692.13	5,649.30	42.83	132.908	
3,500.00	3,196.57	3,854.75	3,759.24	27.40	17.75	-85.46	5,790.09	1,427.29	5,675.71	5,631.45	44.26	128.238	
3,600.00	3,282.70	3,892.00	3,794.94	28.48	17.98	-85.56	5,786.48	1,437.29	5,660.45	5,614.87	45.58	124.180	
3,700.00	3,368.82	3,951.95	3,852.58	29.56	18.34	-85.72	5,781.17	1,452.90	5,646.10	5,599.08	47.01	120.091	
3,800.00	3,454.95	3,987.00	3,886.39	30.64	18.55	-85.82	5,778.25	1,461.65	5,632.57	5,584.25	48.32	116.572	
3,900.00	3,541.07	4,245.05	4,136.38	31.72	20.00	-86.60	5,756.18	1,521.51	5,619.36	5,568.69	50.67	110.893	
4,000.00	3,627.19	4,339.12	4,227.34	32.80	20.55	-86.88	5,746.61	1,543.51	5,604.18	5,551.91	52.26	107.232	
4,100.00	3,713.32	4,370.00	4,256.96	33.89	20.73	-86.97	5,743.40	1,551.59	5,589.31	5,535.76	53.55	104.372	
4,200.00	3,799.44	4,429.18	4,313.87	34.97	21.08	-87.14	5,737.78	1,566.81	5,575.24	5,520.26	54.98	101.405	
4,300.00	3,885.57	4,464.00	4,347.58	36.05	21.29	-87.24	5,734.99	1,575.08	5,562.54	5,506.25	56.29	98.827	
4,400.00	3,971.69	4,536.33	4,417.58	37.14	21.70	-87.46	5,729.76	1,592.51	5,550.71	5,492.94	57.77	96.082	
4,500.00	4,057.82	4,622.39	4,500.44	38.22	22.22	-87.70	5,723.83	1,615.02	5,539.29	5,479.95	59.34	93.344	
4,600.00	4,143.94	4,843.00	4,712.33	39.31	23.55	-88.31	5,705.79	1,673.63	5,526.44	5,464.83	61.61	89.706	
4,700.00	4,230.06	4,909.79	4,776.24	40.39	23.97	-88.49	5,699.76	1,692.07	5,513.22	5,450.12	63.09	87.380	
4,800.00	4,316.19	4,940.00	4,805.22	41.48	24.16	-88.57	5,697.26	1,700.24	5,501.03	5,436.64	64.39	85.430	
4,900.00	4,402.31	4,977.21	4,841.07	42.57	24.37	-88.67	5,694.58	1,709.84	5,490.03	5,424.33	65.70	83.558	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
5,000.00	4,488.44	5,034.00	4,896.25	43.65	24.69	-88.85	5,691.64	1,722.90	5,480.70	5,413.60	67.10	81.675	
5,100.00	4,574.56	5,034.00	4,896.25	44.74	24.69	-88.85	5,691.64	1,722.90	5,472.13	5,403.92	68.22	80.217	
5,200.00	4,660.69	5,498.24	5,343.55	45.83	27.44	-90.22	5,657.15	1,841.26	5,460.55	5,388.93	71.63	76.238	
5,300.00	4,746.81	5,609.00	5,449.27	46.91	28.14	-90.52	5,645.24	1,872.05	5,446.33	5,373.00	73.33	74.273	
5,400.00	4,832.93	5,649.94	5,488.45	48.00	28.39	-90.64	5,640.95	1,883.09	5,432.70	5,358.02	74.68	72.746	
5,500.00	4,919.06	5,705.00	5,541.75	49.09	28.72	-90.81	5,635.88	1,895.93	5,420.41	5,344.32	76.09	71.238	
5,600.00	5,005.18	5,705.00	5,541.75	50.17	28.72	-90.81	5,635.88	1,895.93	5,409.15	5,331.91	77.24	70.031	
5,700.00	5,091.31	5,757.25	5,592.84	51.26	28.97	-91.00	5,631.72	1,906.02	5,399.11	5,320.54	78.57	68.717	
5,800.00	5,177.43	5,802.00	5,636.91	52.35	29.19	-91.18	5,628.58	1,913.10	5,390.31	5,310.44	79.87	67.493	
5,900.00	5,263.56	5,846.99	5,681.40	53.44	29.38	-91.37	5,625.73	1,919.24	5,382.58	5,301.45	81.13	66.349	
6,000.00	5,349.68	5,899.00	5,732.91	54.53	29.60	-91.60	5,622.66	1,925.70	5,375.77	5,293.37	82.40	65.239	
6,100.00	5,435.80	5,899.00	5,732.91	55.61	29.60	-91.60	5,622.66	1,925.70	5,370.41	5,286.93	83.48	64.328	
6,200.00	5,521.93	5,957.18	5,790.69	56.70	29.82	-91.86	5,619.98	1,931.88	5,365.89	5,281.15	84.74	63.321	
6,300.00	5,608.05	5,994.00	5,827.36	57.79	29.95	-92.03	5,618.93	1,935.12	5,363.05	5,277.13	85.92	62.421	
6,400.00	5,694.18	6,023.79	5,857.06	58.88	30.04	-92.17	5,618.33	1,937.22	5,361.50	5,274.46	87.04	61.600	
6,479.32	5,762.49	6,057.85	5,891.07	59.74	30.15	-92.34	5,617.74	1,938.88	5,361.11	5,273.17	87.95	60.959	
6,500.00	5,780.28	6,090.00	5,923.21	59.97	30.24	-89.06	5,617.28	1,939.70	5,360.87	5,272.62	88.25	60.745	
6,550.00	5,822.98	6,090.00	5,923.21	60.51	30.24	-81.13	5,617.28	1,939.70	5,357.08	5,268.32	88.76	60.358	
6,600.00	5,865.00	6,090.00	5,923.21	61.05	30.24	-74.01	5,617.28	1,939.70	5,349.46	5,260.21	89.25	59.938	
6,650.00	5,906.01	6,090.00	5,923.21	61.57	30.24	-67.84	5,617.28	1,939.70	5,338.06	5,248.34	89.73	59.491	
6,700.00	5,945.70	6,090.00	5,923.21	62.08	30.24	-62.65	5,617.28	1,939.70	5,322.95	5,232.76	90.19	59.021	
6,750.00	5,983.77	6,090.00	5,923.21	62.56	30.24	-58.39	5,617.28	1,939.70	5,304.19	5,213.56	90.62	58.529	
6,800.00	6,019.92	6,090.00	5,923.21	63.02	30.24	-54.96	5,617.28	1,939.70	5,281.90	5,190.86	91.04	58.020	
6,850.00	6,053.90	6,090.00	5,923.21	63.45	30.24	-52.28	5,617.28	1,939.70	5,256.21	5,164.79	91.42	57.496	
6,900.00	6,085.42	6,090.00	5,923.21	63.86	30.24	-50.28	5,617.28	1,939.70	5,227.25	5,135.48	91.77	56.958	
6,950.00	6,114.26	6,090.00	5,923.21	64.23	30.24	-48.91	5,617.28	1,939.70	5,195.21	5,103.11	92.10	56.409	
7,000.00	6,140.20	6,090.00	5,923.21	64.58	30.24	-48.15	5,617.28	1,939.70	5,160.26	5,067.86	92.39	55.851	
7,050.00	6,163.03	6,090.00	5,923.21	64.89	30.24	-48.02	5,617.28	1,939.70	5,122.62	5,029.96	92.66	55.285	
7,100.00	6,182.59	6,090.00	5,923.21	65.17	30.24	-48.58	5,617.28	1,939.70	5,082.51	4,989.62	92.89	54.713	
7,150.00	6,198.73	6,090.00	5,923.21	65.42	30.24	-49.99	5,617.28	1,939.70	5,040.19	4,947.09	93.10	54.137	
7,200.00	6,211.32	6,133.17	5,966.37	65.65	30.34	-53.42	5,618.22	1,940.24	4,994.28	4,900.83	93.45	53.443	
7,250.00	6,220.26	6,134.51	5,967.70	65.84	30.34	-57.92	5,618.29	1,940.26	4,948.26	4,854.65	93.61	52.858	
7,300.00	6,225.50	6,135.45	5,968.64	66.01	30.35	-65.26	5,618.35	1,940.27	4,900.93	4,807.17	93.75	52.275	
7,344.70	6,227.00	6,135.94	5,969.12	66.14	30.35	-75.94	5,618.38	1,940.27	4,857.76	4,763.90	93.86	51.757	
7,400.00	6,227.00	6,136.33	5,969.51	66.29	30.35	-75.96	5,618.40	1,940.28	4,803.99	4,710.01	93.97	51.120	
7,500.00	6,227.00	6,137.06	5,970.24	66.58	30.35	-76.00	5,618.45	1,940.28	4,706.84	4,612.64	94.19	49.970	
7,600.00	6,227.00	6,137.81	5,971.00	66.90	30.35	-76.03	5,618.49	1,940.29	4,609.81	4,515.39	94.42	48.821	
7,700.00	6,227.00	6,138.60	5,971.78	67.24	30.35	-76.07	5,618.54	1,940.30	4,512.91	4,418.25	94.66	47.674	
7,800.00	6,227.00	6,139.42	5,972.60	67.61	30.35	-76.11	5,618.60	1,940.31	4,416.14	4,321.23	94.91	46.529	
7,900.00	6,227.00	6,140.27	5,973.44	68.00	30.36	-76.15	5,618.65	1,940.32	4,319.53	4,224.35	95.17	45.386	
8,000.00	6,227.00	6,141.15	5,974.33	68.43	30.36	-76.20	5,618.71	1,940.33	4,223.07	4,127.62	95.45	44.245	
8,100.00	6,227.00	6,142.08	5,975.25	68.88	30.36	-76.24	5,618.78	1,940.33	4,126.77	4,031.04	95.73	43.107	
8,200.00	6,227.00	6,143.04	5,976.21	69.36	30.36	-76.29	5,618.84	1,940.34	4,030.66	3,934.62	96.03	41.971	
8,300.00	6,227.00	6,144.05	5,977.22	69.88	30.37	-76.34	5,618.92	1,940.35	3,934.73	3,838.39	96.35	40.838	
8,400.00	6,227.00	6,186.00	6,018.92	70.43	30.46	-78.42	5,623.37	1,940.68	3,840.53	3,743.65	96.87	39.645	
8,500.00	6,227.00	6,186.00	6,018.92	71.00	30.46	-78.42	5,623.37	1,940.68	3,744.95	3,647.74	97.22	38.521	
8,600.00	6,227.00	6,186.00	6,018.92	71.62	30.46	-78.42	5,623.37	1,940.68	3,649.62	3,552.04	97.58	37.400	
8,700.00	6,227.00	6,186.00	6,018.92	72.26	30.46	-78.42	5,623.37	1,940.68	3,554.54	3,456.57	97.97	36.283	
8,800.00	6,227.00	6,186.00	6,018.92	72.94	30.46	-78.42	5,623.37	1,940.68	3,459.74	3,361.37	98.37	35.171	
8,900.00	6,227.00	6,186.00	6,018.92	73.66	30.46	-78.42	5,623.37	1,940.68	3,365.24	3,266.44	98.79	34.063	
9,000.00	6,227.00	6,186.00	6,018.92	74.41	30.46	-78.42	5,623.37	1,940.68	3,271.06	3,171.82	99.24	32.961	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	75.19	30.46	-78.42	5,623.37	1,940.68	3,177.25	3,077.53	99.71	31.864	
9,200.00	6,227.00	6,186.00	6,018.92	76.01	30.46	-78.42	5,623.37	1,940.68	3,083.82	2,983.60	100.21	30.773	
9,300.00	6,227.00	6,186.00	6,018.92	76.86	30.46	-78.42	5,623.37	1,940.68	2,990.81	2,890.07	100.74	29.688	
9,400.00	6,227.00	6,186.00	6,018.92	77.75	30.46	-78.42	5,623.37	1,940.68	2,898.28	2,796.98	101.30	28.611	
9,500.00	6,227.00	6,186.00	6,018.92	78.67	30.46	-78.42	5,623.37	1,940.68	2,806.25	2,704.36	101.89	27.543	
9,600.00	6,227.00	6,186.00	6,018.92	79.63	30.46	-78.42	5,623.37	1,940.68	2,714.79	2,612.28	102.51	26.482	
9,700.00	6,227.00	6,186.00	6,018.92	80.62	30.46	-78.42	5,623.37	1,940.68	2,623.95	2,520.78	103.17	25.432	
9,800.00	6,227.00	6,186.00	6,018.92	81.64	30.46	-78.42	5,623.37	1,940.68	2,533.80	2,429.93	103.88	24.393	
9,900.00	6,227.00	6,186.00	6,018.92	82.69	30.46	-78.42	5,623.37	1,940.68	2,444.42	2,339.80	104.62	23.365	
10,000.00	6,227.00	6,186.00	6,018.92	83.77	30.46	-78.42	5,623.37	1,940.68	2,355.89	2,250.48	105.41	22.351	
10,100.00	6,227.00	6,186.00	6,018.92	84.88	30.46	-78.42	5,623.37	1,940.68	2,268.32	2,162.07	106.24	21.351	
10,200.00	6,227.00	6,186.00	6,018.92	86.02	30.46	-78.42	5,623.37	1,940.68	2,181.81	2,074.69	107.12	20.367	
10,300.00	6,227.00	6,186.00	6,018.92	87.19	30.46	-78.42	5,623.37	1,940.68	2,096.50	1,988.45	108.06	19.402	
10,400.00	6,227.00	6,186.00	6,018.92	88.38	30.46	-78.42	5,623.37	1,940.68	2,012.55	1,903.51	109.04	18.457	
10,500.00	6,227.00	6,186.00	6,018.92	89.60	30.46	-78.42	5,623.37	1,940.68	1,930.13	1,820.05	110.08	17.534	
10,600.00	6,227.00	6,186.00	6,018.92	90.84	30.46	-78.42	5,623.37	1,940.68	1,849.44	1,738.28	111.17	16.637	
10,700.00	6,227.00	6,186.00	6,018.92	92.11	30.46	-78.42	5,623.37	1,940.68	1,770.73	1,658.43	112.30	15.768	
10,800.00	6,227.00	6,186.00	6,018.92	93.39	30.46	-78.42	5,623.37	1,940.68	1,694.26	1,580.78	113.47	14.931	
10,900.00	6,227.00	6,203.64	6,036.34	94.70	30.49	-79.29	5,626.16	1,940.78	1,620.00	1,505.04	114.96	14.092	
11,000.00	6,227.00	6,208.82	6,041.43	96.03	30.50	-79.55	5,627.11	1,940.81	1,548.80	1,432.51	116.29	13.318	
11,100.00	6,227.00	6,214.71	6,047.20	97.37	30.51	-79.84	5,628.26	1,940.85	1,480.87	1,363.21	117.66	12.586	
11,200.00	6,227.00	6,234.00	6,066.01	98.74	30.55	-80.80	5,632.56	1,940.97	1,416.81	1,297.55	119.27	11.879	
11,300.00	6,227.00	6,234.00	6,066.01	100.12	30.55	-80.80	5,632.56	1,940.97	1,356.67	1,236.18	120.49	11.260	
11,400.00	6,227.00	6,234.00	6,066.01	101.51	30.55	-80.80	5,632.56	1,940.97	1,301.44	1,179.83	121.62	10.701	
11,500.00	6,227.00	6,251.77	6,083.21	102.92	30.57	-81.68	5,637.03	1,941.03	1,251.53	1,128.51	123.01	10.174	
11,600.00	6,227.00	6,265.45	6,096.39	104.35	30.59	-82.36	5,640.68	1,940.99	1,207.59	1,083.43	124.16	9.726	
11,700.00	6,227.00	6,281.00	6,111.32	105.79	30.61	-83.13	5,645.03	1,940.86	1,170.23	1,045.11	125.12	9.353	
11,800.00	6,227.00	6,294.84	6,124.52	107.24	30.63	-83.82	5,649.18	1,940.67	1,140.07	1,014.33	125.74	9.067	
11,900.00	6,227.00	6,311.83	6,140.57	108.71	30.65	-84.65	5,654.73	1,940.35	1,117.63	991.56	126.07	8.865	
12,000.00	6,227.00	6,329.00	6,156.61	110.19	30.67	-85.49	5,660.86	1,939.91	1,103.26	977.26	126.00	8.756	
12,100.00	6,227.00	6,365.45	6,189.96	111.68	30.70	-87.23	5,675.53	1,938.81	1,096.88	970.82	126.06	8.701	
12,132.07	6,227.00	6,377.00	6,200.31	112.16	30.70	-87.77	5,680.63	1,938.44	1,096.48	970.50	125.99	8.703 CC, ES	
12,200.00	6,227.00	6,404.22	6,224.21	113.18	30.72	-89.02	5,693.62	1,937.48	1,098.20	972.41	125.78	8.731	
12,300.00	6,227.00	6,478.35	6,284.72	114.68	30.73	-92.17	5,736.17	1,934.58	1,106.23	979.91	126.32	8.757	
12,400.00	6,227.00	6,554.82	6,339.95	116.20	30.70	-95.03	5,788.92	1,931.84	1,118.35	991.57	126.77	8.822	
12,500.00	6,227.00	6,805.67	6,475.14	117.73	30.53	-101.86	5,997.81	1,930.13	1,130.33	997.35	132.98	8.500	
12,600.00	6,227.00	6,923.06	6,508.12	119.27	30.43	-103.54	6,110.24	1,934.38	1,133.33	998.12	135.21	8.382	
12,700.00	6,227.00	7,012.00	6,518.98	120.81	30.34	-104.06	6,198.45	1,933.62	1,137.41	1,000.71	136.70	8.320	
12,800.00	6,227.00	7,096.85	6,520.08	122.37	30.26	-104.06	6,283.18	1,929.62	1,142.61	1,004.42	138.19	8.268	
12,900.00	6,227.00	7,181.46	6,518.76	123.93	30.20	-103.93	6,367.61	1,924.36	1,148.67	1,008.92	139.75	8.220	
13,000.00	6,227.00	7,247.00	6,518.03	125.49	30.19	-103.82	6,432.90	1,918.71	1,157.14	1,016.70	140.44	8.239	
13,100.00	6,227.00	7,322.49	6,518.12	127.07	30.18	-103.72	6,507.94	1,910.50	1,168.10	1,026.48	141.61	8.249	
13,200.00	6,227.00	7,476.45	6,522.83	128.65	30.42	-103.76	6,661.03	1,895.17	1,179.38	1,032.69	146.69	8.040	
13,300.00	6,227.00	7,630.05	6,524.44	130.24	31.22	-103.77	6,814.49	1,889.38	1,183.14	1,031.33	151.81	7.793	
13,400.00	6,227.00	7,743.10	6,525.38	131.83	32.15	-103.78	6,927.52	1,887.39	1,185.37	1,030.26	155.11	7.642	
13,500.00	6,227.00	7,844.73	6,525.21	133.43	33.15	-103.75	7,029.14	1,885.84	1,187.16	1,029.22	157.94	7.517	
13,600.00	6,227.00	7,942.40	6,522.16	135.03	34.21	-103.59	7,126.74	1,883.99	1,188.61	1,027.94	160.67	7.398	
13,700.00	6,227.00	8,024.78	6,520.39	136.64	35.16	-103.47	7,209.06	1,881.43	1,191.41	1,028.75	162.66	7.325	
13,800.00	6,227.00	8,152.18	6,521.11	138.25	36.71	-103.48	7,336.43	1,879.43	1,193.36	1,026.40	166.96	7.148	
13,900.00	6,227.00	8,246.48	6,522.73	139.87	37.91	-103.55	7,430.71	1,879.28	1,194.28	1,024.67	169.60	7.042	
14,000.00	6,227.00	8,352.23	6,525.76	141.50	39.29	-103.67	7,536.42	1,878.23	1,196.30	1,023.44	172.86	6.921	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
14,100.00	6,227.00	8,468.41	6,526.18	143.12	40.87	-103.69	7,652.58	1,878.81	1,196.17	1,019.47	176.70	6.770		
14,200.00	6,227.00	8,566.83	6,524.20	144.76	42.24	-103.60	7,750.98	1,878.94	1,195.90	1,016.20	179.70	6.655		
14,300.00	6,227.00	8,666.88	6,522.28	146.39	43.66	-103.51	7,851.01	1,879.00	1,195.73	1,012.92	182.82	6.541		
14,329.45	6,227.00	8,693.11	6,521.87	146.87	44.03	-103.49	7,877.24	1,879.03	1,195.70	1,012.13	183.57	6.514		
14,400.00	6,227.00	8,747.48	6,521.32	148.03	44.81	-103.46	7,931.61	1,878.66	1,196.23	1,011.32	184.91	6.469		
14,500.00	6,227.00	8,833.08	6,521.19	149.67	46.06	-103.43	8,017.19	1,877.00	1,198.40	1,011.15	187.26	6.400		
14,600.00	6,227.00	8,927.12	6,521.67	151.32	47.45	-103.42	8,111.20	1,874.59	1,201.34	1,011.27	190.08	6.320		
14,700.00	6,227.00	9,044.56	6,523.03	152.97	49.20	-103.45	8,228.61	1,872.04	1,204.12	1,009.90	194.22	6.200		
14,800.00	6,227.00	9,150.76	6,523.22	154.62	50.81	-103.44	8,334.80	1,871.07	1,205.38	1,007.62	197.76	6.095		
14,900.00	6,227.00	9,284.87	6,521.97	156.28	52.87	-103.39	8,468.89	1,872.13	1,204.60	1,001.80	202.80	5.940		
15,000.00	6,227.00	9,370.29	6,521.40	157.94	54.19	-103.38	8,554.30	1,873.25	1,203.52	998.26	205.26	5.863		
15,033.33	6,227.00	9,398.12	6,521.38	158.49	54.62	-103.38	8,582.13	1,873.41	1,203.44	997.40	206.04	5.841		
15,100.00	6,227.00	9,454.22	6,521.58	159.60	55.50	-103.38	8,638.23	1,873.38	1,203.74	996.13	207.61	5.798		
15,200.00	6,227.00	9,543.65	6,523.41	161.27	56.91	-103.46	8,727.64	1,872.90	1,205.08	994.85	210.23	5.732		
15,300.00	6,227.00	9,666.42	6,526.25	162.94	58.85	-103.59	8,850.37	1,873.38	1,205.51	990.81	214.71	5.615		
15,400.00	6,227.00	9,778.98	6,526.47	164.61	60.64	-103.60	8,962.91	1,873.95	1,205.47	986.82	218.64	5.513		
15,471.69	6,227.00	9,836.61	6,525.00	165.80	61.57	-103.53	9,020.52	1,874.11	1,205.09	984.83	220.26	5.471		
15,500.00	6,227.00	9,858.59	6,524.44	166.28	61.92	-103.51	9,042.49	1,873.99	1,205.16	984.32	220.85	5.457		
15,600.00	6,227.00	9,942.71	6,522.45	167.95	63.28	-103.40	9,126.58	1,872.73	1,206.40	983.13	223.27	5.403		
15,700.00	6,227.00	10,022.75	6,521.15	169.63	64.57	-103.31	9,206.58	1,870.55	1,209.02	983.60	225.42	5.363		
15,800.00	6,227.00	10,119.84	6,520.23	171.31	66.15	-103.22	9,303.60	1,866.97	1,212.73	984.13	228.59	5.305		
15,900.00	6,227.00	10,198.02	6,519.56	172.99	67.43	-103.15	9,381.67	1,863.15	1,217.57	986.99	230.58	5.281 SF		
16,000.00	6,227.00	10,246.00	6,519.47	174.68	68.22	-103.12	9,429.59	1,860.55	1,224.21	993.81	230.40	5.313		
16,100.00	6,227.00	10,246.00	6,519.47	176.36	68.22	-103.12	9,429.59	1,860.55	1,237.96	1,011.95	226.01	5.478		
16,200.00	6,227.00	10,246.00	6,519.47	178.05	68.22	-103.12	9,429.59	1,860.55	1,259.52	1,038.98	220.54	5.711		
16,300.00	6,227.00	10,246.00	6,519.47	179.74	68.22	-103.12	9,429.59	1,860.55	1,288.50	1,074.27	214.23	6.015		
16,400.00	6,227.00	10,246.00	6,519.47	181.43	68.22	-103.12	9,429.59	1,860.55	1,324.42	1,117.11	207.31	6.389		
16,500.00	6,227.00	10,246.00	6,519.47	183.13	68.22	-103.12	9,429.59	1,860.55	1,366.73	1,166.71	200.02	6.833		
16,600.00	6,227.00	10,246.00	6,519.47	184.82	68.22	-103.12	9,429.59	1,860.55	1,414.85	1,222.28	192.57	7.347		
16,700.00	6,227.00	10,246.00	6,519.47	186.52	68.22	-103.12	9,429.59	1,860.55	1,468.21	1,283.08	185.14	7.930		
16,800.00	6,227.00	10,246.00	6,519.47	188.22	68.22	-103.12	9,429.59	1,860.55	1,526.27	1,348.40	177.87	8.581		
16,900.00	6,227.00	10,246.00	6,519.47	189.92	68.22	-103.12	9,429.59	1,860.55	1,588.51	1,417.64	170.86	9.297		
17,000.81	6,227.00	10,246.00	6,519.47	191.63	68.22	-103.12	9,429.59	1,860.55	1,655.00	1,490.86	164.14	10.083		

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<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
0.00	0.00	16.78	16.78	0.00	0.03	7.66	6,041.72	812.71	6,096.14				
100.00	100.00	121.67	121.67	0.27	0.21	7.66	6,041.64	812.90	6,096.09	6,095.60	0.48	N/A	
200.00	200.00	226.55	226.55	0.63	0.40	7.67	6,041.43	813.39	6,095.95	6,094.93	1.02	5,956.636	
300.00	300.00	331.43	331.43	0.99	0.58	7.68	6,041.10	814.16	6,095.74	6,094.17	1.57	3,894.530	
400.00	399.98	436.31	436.29	1.34	0.76	-75.72	6,040.65	815.24	6,095.02	6,092.91	2.10	2,901.184	
500.00	499.84	541.10	541.08	1.69	0.95	-75.79	6,040.07	816.60	6,093.35	6,090.71	2.64	2,309.865	
600.00	599.45	604.00	603.97	2.06	1.06	-75.87	6,039.66	817.56	6,090.89	6,087.78	3.11	1,955.941	
700.00	698.70	666.07	666.03	2.44	1.28	-75.98	6,039.64	818.53	6,088.20	6,084.49	3.72	1,637.800	
800.00	797.47	878.00	877.94	2.85	2.00	-76.37	6,039.45	817.52	6,084.24	6,079.40	4.84	1,255.893	
900.00	895.62	934.96	934.89	3.29	2.19	-76.58	6,039.05	816.63	6,078.87	6,073.40	5.47	1,110.741	
1,000.00	993.06	1,189.09	1,188.60	3.76	3.10	-77.15	6,033.00	826.12	6,071.33	6,064.48	6.84	887.574	
1,100.00	1,089.64	1,246.00	1,245.05	4.27	3.31	-77.39	6,030.79	832.89	6,062.83	6,055.27	7.56	801.986	
1,200.00	1,185.27	1,392.30	1,389.15	4.83	3.89	-77.74	6,024.07	857.16	6,053.55	6,044.86	8.69	696.280	
1,300.00	1,279.82	1,621.77	1,611.99	5.45	4.94	-78.16	6,008.26	909.36	6,041.89	6,031.56	10.33	584.829	
1,400.00	1,373.17	1,890.00	1,868.55	6.12	6.41	-78.63	5,980.92	982.59	6,026.21	6,013.80	12.41	485.561	
1,500.00	1,465.21	1,890.00	1,868.55	6.85	6.41	-78.95	5,980.92	982.59	6,010.25	5,997.11	13.14	457.489	
1,600.00	1,555.84	1,947.63	1,923.45	7.65	6.75	-79.33	5,974.97	999.05	5,994.25	5,979.99	14.25	420.513	
1,700.00	1,644.94	1,986.00	1,959.97	8.51	6.98	-79.69	5,971.77	1,010.40	5,979.12	5,963.79	15.33	390.018	
1,800.00	1,732.39	2,028.85	2,000.72	9.45	7.24	-80.06	5,968.60	1,023.24	5,964.35	5,947.84	16.51	361.259	
1,827.18	1,755.86	2,048.82	2,019.73	9.72	7.36	-80.19	5,967.15	1,029.22	5,960.34	5,943.45	16.89	352.873	
1,900.00	1,818.58	2,303.85	2,262.53	10.44	8.92	-80.73	5,944.86	1,103.87	5,948.37	5,929.26	19.11	311.267	
2,000.00	1,904.71	2,368.00	2,323.72	11.46	9.32	-80.87	5,938.79	1,122.17	5,931.24	5,910.74	20.50	289.375	
2,100.00	1,990.83	2,413.90	2,367.47	12.49	9.61	-80.97	5,934.74	1,135.44	5,914.77	5,892.97	21.80	271.355	
2,200.00	2,076.96	2,717.14	2,655.40	13.53	11.56	-81.62	5,903.03	1,224.92	5,897.41	5,872.75	24.65	239.204	
2,300.00	2,163.08	2,833.74	2,765.44	14.57	12.35	-81.86	5,888.29	1,260.53	5,877.76	5,851.33	26.43	222.421	
2,400.00	2,249.21	2,885.82	2,814.78	15.62	12.68	-81.97	5,881.62	1,275.80	5,858.14	5,830.35	27.80	210.746	
2,500.00	2,335.33	2,936.00	2,862.78	16.68	13.01	-82.09	5,876.18	1,289.38	5,839.86	5,810.70	29.16	200.260	
2,600.00	2,421.45	3,006.63	2,930.55	17.74	13.44	-82.27	5,868.73	1,307.81	5,822.12	5,791.49	30.63	190.079	
2,700.00	2,507.58	3,105.72	3,025.72	18.81	14.04	-82.53	5,858.00	1,333.25	5,804.23	5,771.97	32.25	179.966	
2,800.00	2,593.70	3,232.72	3,148.26	19.87	14.78	-82.88	5,844.50	1,363.76	5,786.60	5,752.60	34.00	170.183	
2,900.00	2,679.83	3,260.82	3,175.38	20.94	14.95	-82.96	5,841.63	1,370.52	5,769.28	5,734.03	35.25	163.679	
3,000.00	2,765.95	3,703.00	3,591.91	22.01	17.99	-83.91	5,782.52	1,504.51	5,748.87	5,709.90	38.97	147.525	
3,100.00	2,852.08	3,703.00	3,591.91	23.09	17.99	-83.91	5,782.52	1,504.51	5,727.24	5,687.14	40.09	142.843	
3,200.00	2,938.20	3,798.00	3,679.84	24.16	18.72	-84.07	5,768.56	1,537.64	5,706.47	5,664.63	41.84	136.389	
3,300.00	3,024.32	3,798.00	3,679.84	25.24	18.72	-84.07	5,768.56	1,537.64	5,686.59	5,643.62	42.97	132.341	
3,400.00	3,110.45	3,832.55	3,712.20	26.32	18.97	-84.14	5,764.32	1,548.97	5,668.15	5,623.84	44.31	127.925	
3,500.00	3,196.57	3,894.00	3,770.07	27.40	19.41	-84.27	5,757.49	1,568.46	5,650.81	5,605.00	45.81	123.345	
3,600.00	3,282.70	3,894.00	3,770.07	28.48	19.41	-84.27	5,757.49	1,568.46	5,634.41	5,587.47	46.94	120.038	
3,700.00	3,368.82	3,947.76	3,821.02	29.56	19.76	-84.39	5,752.36	1,584.81	5,619.04	5,570.67	48.38	116.151	
3,800.00	3,454.95	3,990.00	3,861.27	30.64	20.05	-84.49	5,748.96	1,597.19	5,604.90	5,555.16	49.75	112.668	
3,900.00	3,541.07	4,028.67	3,898.28	31.72	20.28	-84.59	5,746.23	1,608.06	5,591.81	5,540.74	51.08	109.479	
4,000.00	3,627.19	4,086.00	3,953.45	32.80	20.63	-84.74	5,742.70	1,623.22	5,579.69	5,527.18	52.51	106.262	
4,100.00	3,713.32	4,501.32	4,356.71	33.89	22.92	-86.05	5,705.35	1,714.44	5,564.46	5,508.92	55.54	100.184	
4,200.00	3,799.44	4,563.00	4,416.52	34.97	23.27	-86.25	5,698.64	1,727.97	5,548.04	5,491.07	56.97	97.387	
4,300.00	3,885.57	4,659.00	4,509.30	36.05	23.83	-86.55	5,688.17	1,750.23	5,531.91	5,473.36	58.56	94.471	
4,400.00	3,971.69	4,720.17	4,568.26	37.14	24.18	-86.73	5,681.36	1,765.02	5,515.82	5,455.83	59.99	91.947	
4,500.00	4,057.82	4,814.60	4,659.57	38.22	24.74	-87.02	5,671.53	1,786.97	5,500.47	5,438.90	61.58	89.328	
4,600.00	4,143.94	4,918.74	4,759.66	39.31	25.37	-87.33	5,660.30	1,813.35	5,484.85	5,421.62	63.23	86.746	
4,700.00	4,230.06	4,947.00	4,786.83	40.39	25.54	-87.41	5,657.32	1,820.56	5,469.94	5,405.42	64.52	84.777	
4,800.00	4,316.19	4,997.06	4,834.96	41.48	25.85	-87.55	5,652.55	1,833.49	5,456.04	5,390.12	65.92	82.768	
4,900.00	4,402.31	5,042.00	4,878.12	42.57	26.12	-87.68	5,649.07	1,845.51	5,443.50	5,376.22	67.29	80.897	

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

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<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
5,000.00	4,488.44	5,042.00	4,878.12	43.65	26.12	-87.68	5,649.07	1,845.51	5,432.23	5,363.81	68.42	79.397	
5,100.00	4,574.56	5,095.11	4,929.31	44.74	26.43	-87.83	5,645.84	1,859.26	5,422.02	5,352.22	69.81	77.672	
5,200.00	4,660.69	5,137.00	4,969.98	45.83	26.67	-87.96	5,643.94	1,869.13	5,413.19	5,342.06	71.13	76.101	
5,300.00	4,746.81	5,248.99	5,079.19	46.91	27.26	-88.33	5,639.13	1,893.44	5,405.01	5,332.25	72.77	74.278	
5,400.00	4,832.93	5,390.24	5,217.04	48.00	27.99	-88.81	5,631.81	1,923.37	5,396.15	5,321.63	74.52	72.412	
5,500.00	4,919.06	5,460.70	5,285.91	49.09	28.35	-89.05	5,627.86	1,937.71	5,387.20	5,311.25	75.94	70.938	
5,600.00	5,005.18	5,516.00	5,340.09	50.17	28.63	-89.25	5,625.16	1,948.42	5,379.13	5,301.84	77.29	69.597	
5,700.00	5,091.31	5,608.86	5,431.17	51.26	29.08	-89.59	5,620.95	1,966.04	5,371.64	5,292.85	78.79	68.177	
5,800.00	5,177.43	5,708.00	5,528.36	52.35	29.57	-89.95	5,615.89	1,984.96	5,363.80	5,283.49	80.32	66.785	
5,900.00	5,263.56	5,761.58	5,581.00	53.44	29.81	-90.15	5,613.27	1,994.61	5,356.70	5,275.07	81.63	65.624	
6,000.00	5,349.68	5,804.00	5,622.83	54.53	30.01	-90.32	5,611.78	2,001.43	5,350.97	5,268.09	82.89	64.558	
6,100.00	5,435.80	5,838.35	5,656.81	55.61	30.15	-90.46	5,610.88	2,006.45	5,346.43	5,262.35	84.08	63.585	
6,200.00	5,521.93	5,899.00	5,716.93	56.70	30.40	-90.72	5,609.71	2,014.31	5,343.04	5,257.66	85.37	62.585	
6,300.00	5,608.05	5,899.00	5,716.93	57.79	30.40	-90.72	5,609.71	2,014.31	5,340.82	5,254.41	86.41	61.810	
6,400.00	5,694.18	5,959.29	5,776.79	58.88	30.62	-90.98	5,609.35	2,021.44	5,339.61	5,251.95	87.66	60.911	
6,418.32	5,709.96	5,965.89	5,783.35	59.08	30.64	-91.01	5,609.37	2,022.21	5,339.55	5,251.68	87.87	60.764	
6,479.32	5,762.49	5,995.00	5,812.26	59.74	30.75	-91.13	5,609.62	2,025.60	5,339.67	5,251.06	88.60	60.265	
6,500.00	5,780.28	5,995.00	5,812.26	59.97	30.75	-87.68	5,609.62	2,025.60	5,339.43	5,250.62	88.81	60.123	
6,550.00	5,822.98	5,995.00	5,812.26	60.51	30.75	-79.74	5,609.62	2,025.60	5,336.12	5,246.82	89.30	59.755	
6,600.00	5,865.00	5,995.00	5,812.26	61.05	30.75	-72.59	5,609.62	2,025.60	5,328.96	5,239.18	89.78	59.355	
6,650.00	5,906.01	5,995.00	5,812.26	61.57	30.75	-66.39	5,609.62	2,025.60	5,318.01	5,227.77	90.25	58.928	
6,700.00	5,945.70	6,021.80	5,838.89	62.08	30.84	-61.29	5,610.32	2,028.49	5,302.87	5,212.06	90.81	58.395	
6,750.00	5,983.77	6,043.00	5,859.97	62.56	30.91	-57.09	5,611.36	2,030.45	5,284.42	5,193.09	91.33	57.861	
6,800.00	6,019.92	6,043.00	5,859.97	63.02	30.91	-53.61	5,611.36	2,030.45	5,262.14	5,170.41	91.73	57.365	
6,850.00	6,053.90	6,043.00	5,859.97	63.45	30.91	-50.86	5,611.36	2,030.45	5,236.45	5,144.35	92.10	56.854	
6,900.00	6,085.42	6,043.00	5,859.97	63.86	30.91	-48.77	5,611.36	2,030.45	5,207.48	5,115.04	92.45	56.329	
6,950.00	6,114.26	6,043.00	5,859.97	64.23	30.91	-47.29	5,611.36	2,030.45	5,175.41	5,082.65	92.76	55.793	
7,000.00	6,140.20	6,061.56	5,878.44	64.58	30.96	-46.56	5,612.54	2,031.91	5,140.29	5,047.16	93.13	55.196	
7,050.00	6,163.03	6,068.18	5,885.03	64.89	30.98	-46.34	5,613.00	2,032.36	5,102.48	5,009.07	93.41	54.623	
7,100.00	6,182.59	6,090.00	5,906.75	65.17	31.04	-47.01	5,614.66	2,033.61	5,062.27	4,968.54	93.74	54.005	
7,150.00	6,198.73	6,090.00	5,906.75	65.42	31.04	-48.24	5,614.66	2,033.61	5,019.68	4,925.74	93.94	53.436	
7,200.00	6,211.32	6,090.00	5,906.75	65.65	31.04	-50.57	5,614.66	2,033.61	4,975.16	4,881.05	94.11	52.865	
7,250.00	6,220.26	6,090.00	5,906.75	65.84	31.04	-54.53	5,614.66	2,033.61	4,929.01	4,834.75	94.26	52.293	
7,300.00	6,225.50	6,090.00	5,906.75	66.01	31.04	-61.23	5,614.66	2,033.61	4,881.52	4,787.14	94.38	51.721	
7,344.70	6,227.00	6,090.00	5,906.75	66.14	31.04	-71.42	5,614.66	2,033.61	4,838.21	4,743.74	94.48	51.211	
7,400.00	6,227.00	6,090.00	5,906.75	66.29	31.04	-71.42	5,614.66	2,033.61	4,784.26	4,689.68	94.58	50.583	
7,500.00	6,227.00	6,090.00	5,906.75	66.58	31.04	-71.42	5,614.66	2,033.61	4,686.78	4,592.00	94.78	49.450	
7,600.00	6,227.00	6,090.00	5,906.75	66.90	31.04	-71.42	5,614.66	2,033.61	4,589.40	4,494.42	94.98	48.318	
7,700.00	6,227.00	6,090.00	5,906.75	67.24	31.04	-71.42	5,614.66	2,033.61	4,492.14	4,396.94	95.20	47.188	
7,800.00	6,227.00	6,090.00	5,906.75	67.61	31.04	-71.42	5,614.66	2,033.61	4,395.00	4,299.58	95.42	46.059	
7,900.00	6,227.00	6,106.56	5,923.22	68.00	31.08	-72.26	5,616.08	2,034.52	4,297.91	4,202.17	95.74	44.892	
8,000.00	6,227.00	6,109.93	5,926.57	68.43	31.09	-72.43	5,616.38	2,034.73	4,201.00	4,105.00	96.00	43.760	
8,100.00	6,227.00	6,113.46	5,930.08	68.88	31.10	-72.61	5,616.72	2,034.96	4,104.23	4,007.96	96.28	42.629	
8,200.00	6,227.00	6,117.15	5,933.75	69.36	31.11	-72.79	5,617.07	2,035.22	4,007.62	3,911.05	96.57	41.501	
8,300.00	6,227.00	6,121.02	5,937.59	69.88	31.12	-72.99	5,617.45	2,035.49	3,911.16	3,814.29	96.87	40.375	
8,400.00	6,227.00	6,139.00	5,955.41	70.43	31.17	-73.91	5,619.34	2,036.94	3,814.94	3,717.68	97.27	39.222	
8,500.00	6,227.00	6,139.00	5,955.41	71.00	31.17	-73.91	5,619.34	2,036.94	3,718.81	3,621.23	97.58	38.111	
8,600.00	6,227.00	6,139.00	5,955.41	71.62	31.17	-73.91	5,619.34	2,036.94	3,622.89	3,524.98	97.91	37.003	
8,700.00	6,227.00	6,139.00	5,955.41	72.26	31.17	-73.91	5,619.34	2,036.94	3,527.19	3,428.94	98.25	35.898	
8,800.00	6,227.00	6,139.00	5,955.41	72.94	31.17	-73.91	5,619.34	2,036.94	3,431.74	3,333.13	98.62	34.798	
8,900.00	6,227.00	6,139.00	5,955.41	73.66	31.17	-73.91	5,619.34	2,036.94	3,336.56	3,237.56	99.00	33.702	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,000.00	6,227.00	6,139.00	5,955.41	74.41	31.17	-73.91	5,619.34	2,036.94	3,241.67	3,142.26	99.41	32.610	
9,100.00	6,227.00	6,155.04	5,971.27	75.19	31.21	-74.73	5,621.19	2,038.40	3,146.98	3,047.04	99.94	31.488	
9,200.00	6,227.00	6,159.68	5,975.85	76.01	31.22	-74.97	5,621.77	2,038.84	3,052.68	2,952.25	100.43	30.397	
9,300.00	6,227.00	6,164.57	5,980.68	76.86	31.24	-75.22	5,622.38	2,039.32	2,958.73	2,857.79	100.94	29.311	
9,400.00	6,227.00	6,169.74	5,985.78	77.75	31.25	-75.49	5,623.05	2,039.83	2,865.16	2,763.68	101.49	28.231	
9,500.00	6,227.00	6,186.00	6,001.80	78.67	31.30	-76.34	5,625.29	2,041.52	2,772.08	2,669.93	102.15	27.138	
9,600.00	6,227.00	6,186.00	6,001.80	79.63	31.30	-76.34	5,625.29	2,041.52	2,679.36	2,576.64	102.73	26.083	
9,700.00	6,227.00	6,186.00	6,001.80	80.62	31.30	-76.34	5,625.29	2,041.52	2,587.19	2,483.85	103.34	25.036	
9,800.00	6,227.00	6,186.00	6,001.80	81.64	31.30	-76.34	5,625.29	2,041.52	2,495.63	2,391.64	103.99	23.999	
9,900.00	6,227.00	6,186.00	6,001.80	82.69	31.30	-76.34	5,625.29	2,041.52	2,404.73	2,300.05	104.68	22.972	
10,000.00	6,227.00	6,197.29	6,012.90	83.77	31.33	-76.93	5,626.99	2,042.72	2,314.48	2,208.96	105.52	21.935	
10,100.00	6,227.00	6,201.36	6,016.89	84.88	31.34	-77.14	5,627.64	2,043.15	2,225.08	2,118.74	106.34	20.924	
10,200.00	6,227.00	6,216.00	6,031.23	86.02	31.38	-77.92	5,630.18	2,044.66	2,136.68	2,029.37	107.31	19.911	
10,300.00	6,227.00	6,216.00	6,031.23	87.19	31.38	-77.92	5,630.18	2,044.66	2,049.15	1,940.94	108.21	18.937	
10,400.00	6,227.00	6,216.00	6,031.23	88.38	31.38	-77.92	5,630.18	2,044.66	1,962.81	1,853.65	109.16	17.981	
10,500.00	6,227.00	6,216.00	6,031.23	89.60	31.38	-77.92	5,630.18	2,044.66	1,877.82	1,767.66	110.17	17.045	
10,600.00	6,227.00	6,216.00	6,031.23	90.84	31.38	-77.92	5,630.18	2,044.66	1,794.38	1,683.16	111.23	16.133	
10,700.00	6,227.00	6,230.96	6,045.82	92.11	31.42	-78.71	5,633.11	2,046.16	1,712.49	1,599.95	112.54	15.217	
10,800.00	6,227.00	6,246.00	6,060.42	93.39	31.45	-79.51	5,636.43	2,047.63	1,632.72	1,518.79	113.93	14.332	
10,900.00	6,227.00	6,246.00	6,060.42	94.70	31.45	-79.51	5,636.43	2,047.63	1,555.03	1,439.86	115.17	13.502	
11,000.00	6,227.00	6,246.00	6,060.42	96.03	31.45	-79.51	5,636.43	2,047.63	1,480.02	1,363.57	116.45	12.709	
11,100.00	6,227.00	6,262.74	6,076.57	97.37	31.49	-80.41	5,640.52	2,049.23	1,407.89	1,289.85	118.04	11.927	
11,200.00	6,227.00	6,282.00	6,095.03	98.74	31.54	-81.44	5,645.69	2,051.09	1,339.23	1,219.51	119.71	11.187	
11,300.00	6,227.00	6,282.00	6,095.03	100.12	31.54	-81.44	5,645.69	2,051.09	1,274.37	1,153.34	121.03	10.529	
11,400.00	6,227.00	6,305.12	6,116.98	101.51	31.58	-82.68	5,652.56	2,053.41	1,213.93	1,091.16	122.77	9.888	
11,500.00	6,227.00	6,330.00	6,140.31	102.92	31.64	-84.01	5,660.77	2,056.14	1,158.50	1,034.03	124.47	9.307	
11,600.00	6,227.00	6,344.69	6,153.92	104.35	31.66	-84.79	5,666.02	2,057.80	1,108.69	982.87	125.82	8.811	
11,700.00	6,227.00	6,365.59	6,173.09	105.79	31.70	-85.89	5,674.02	2,060.12	1,065.29	938.19	127.10	8.382	
11,800.00	6,227.00	6,395.64	6,200.03	107.24	31.76	-87.47	5,686.86	2,063.55	1,028.88	900.57	128.31	8.019	
11,900.00	6,227.00	6,440.37	6,237.07	108.71	31.83	-89.65	5,710.94	2,070.24	999.17	869.63	129.55	7.713	
12,000.00	6,227.00	6,473.00	6,261.69	110.19	31.88	-91.12	5,731.69	2,075.44	976.44	846.35	130.09	7.506	
12,100.00	6,227.00	6,505.00	6,284.46	111.68	31.90	-92.49	5,753.77	2,079.65	961.43	831.27	130.16	7.386	
12,200.00	6,227.00	6,531.06	6,302.41	113.18	31.90	-93.57	5,772.53	2,081.86	954.73	825.15	129.57	7.368 SF	
12,236.28	6,227.00	6,547.00	6,313.09	113.72	31.90	-94.21	5,784.34	2,082.67	954.37	824.92	129.45	7.372 CC, ES	
12,300.00	6,227.00	6,547.00	6,313.09	114.68	31.90	-94.21	5,784.34	2,082.67	956.49	828.38	128.11	7.466	
12,400.00	6,227.00	6,547.00	6,313.09	116.20	31.90	-94.21	5,784.34	2,082.67	968.31	842.83	125.48	7.717	
12,500.00	6,227.00	6,547.00	6,313.09	117.73	31.90	-94.21	5,784.34	2,082.67	990.14	867.81	122.33	8.094	
12,600.00	6,227.00	6,547.00	6,313.09	119.27	31.90	-94.21	5,784.34	2,082.67	1,021.33	902.51	118.82	8.596	
12,700.00	6,227.00	6,547.00	6,313.09	120.81	31.90	-94.21	5,784.34	2,082.67	1,061.06	945.93	115.14	9.216	
12,800.00	6,227.00	6,547.00	6,313.09	122.37	31.90	-94.21	5,784.34	2,082.67	1,108.42	996.97	111.45	9.946	
12,900.00	6,227.00	6,547.00	6,313.09	123.93	31.90	-94.21	5,784.34	2,082.67	1,162.47	1,054.58	107.89	10.775	
13,000.00	6,227.00	6,547.00	6,313.09	125.49	31.90	-94.21	5,784.34	2,082.67	1,222.33	1,117.78	104.55	11.691	
13,100.00	6,227.00	6,547.00	6,313.09	127.07	31.90	-94.21	5,784.34	2,082.67	1,287.18	1,185.68	101.50	12.682	
13,200.00	6,227.00	6,547.00	6,313.09	128.65	31.90	-94.21	5,784.34	2,082.67	1,356.31	1,257.56	98.75	13.734	
13,300.00	6,227.00	6,547.00	6,313.09	130.24	31.90	-94.21	5,784.34	2,082.67	1,429.10	1,332.77	96.32	14.836	
13,400.00	6,227.00	6,547.00	6,313.09	131.83	31.90	-94.21	5,784.34	2,082.67	1,505.01	1,410.81	94.20	15.977	
13,500.00	6,227.00	6,547.00	6,313.09	133.43	31.90	-94.21	5,784.34	2,082.67	1,583.60	1,491.24	92.36	17.146	
13,600.00	6,227.00	6,547.00	6,313.09	135.03	31.90	-94.21	5,784.34	2,082.67	1,664.50	1,573.71	90.78	18.335	
13,700.00	6,227.00	6,547.00	6,313.09	136.64	31.90	-94.21	5,784.34	2,082.67	1,747.37	1,657.93	89.43	19.538	
13,800.00	6,227.00	6,547.00	6,313.09	138.25	31.90	-94.21	5,784.34	2,082.67	1,831.95	1,743.66	88.29	20.749	
13,900.00	6,227.00	6,547.00	6,313.09	139.87	31.90	-94.21	5,784.34	2,082.67	1,918.01	1,830.68	87.33	21.963	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
14,000.00	6,227.00	6,547.00	6,313.09	141.50	31.90	-94.21	5,784.34	2,082.67	2,005.37	1,918.85	86.52	23.177	
14,100.00	6,227.00	6,547.00	6,313.09	143.12	31.90	-94.21	5,784.34	2,082.67	2,093.86	2,008.01	85.85	24.390	
14,200.00	6,227.00	6,547.00	6,313.09	144.76	31.90	-94.21	5,784.34	2,082.67	2,183.35	2,098.06	85.29	25.599	
14,300.00	6,227.00	6,547.00	6,313.09	146.39	31.90	-94.21	5,784.34	2,082.67	2,273.71	2,188.88	84.83	26.803	
14,400.00	6,227.00	6,547.00	6,313.09	148.03	31.90	-94.21	5,784.34	2,082.67	2,364.85	2,280.39	84.45	28.001	
14,500.00	6,227.00	6,547.00	6,313.09	149.67	31.90	-94.21	5,784.34	2,082.67	2,456.67	2,372.52	84.15	29.194	
14,600.00	6,227.00	6,547.00	6,313.09	151.32	31.90	-94.21	5,784.34	2,082.67	2,549.11	2,465.21	83.91	30.380	
14,700.00	6,227.00	6,547.00	6,313.09	152.97	31.90	-94.21	5,784.34	2,082.67	2,642.11	2,558.39	83.72	31.561	
14,800.00	6,227.00	6,547.00	6,313.09	154.62	31.90	-94.21	5,784.34	2,082.67	2,735.59	2,652.03	83.57	32.735	
14,900.00	6,227.00	6,547.00	6,313.09	156.28	31.90	-94.21	5,784.34	2,082.67	2,829.53	2,746.07	83.46	33.904	
15,000.00	6,227.00	6,547.00	6,313.09	157.94	31.90	-94.21	5,784.34	2,082.67	2,923.86	2,840.48	83.38	35.067	
15,100.00	6,227.00	6,547.00	6,313.09	159.60	31.90	-94.21	5,784.34	2,082.67	3,018.56	2,935.23	83.33	36.224	
15,200.00	6,227.00	6,547.00	6,313.09	161.27	31.90	-94.21	5,784.34	2,082.67	3,113.59	3,030.29	83.30	37.377	
15,300.00	6,227.00	6,547.00	6,313.09	162.94	31.90	-94.21	5,784.34	2,082.67	3,208.92	3,125.63	83.30	38.525	
15,400.00	6,227.00	6,547.00	6,313.09	164.61	31.90	-94.21	5,784.34	2,082.67	3,304.53	3,221.23	83.30	39.668	
15,500.00	6,227.00	6,547.00	6,313.09	166.28	31.90	-94.21	5,784.34	2,082.67	3,400.39	3,317.07	83.33	40.807	
15,600.00	6,227.00	6,547.00	6,313.09	167.95	31.90	-94.21	5,784.34	2,082.67	3,496.49	3,413.12	83.36	41.943	
15,700.00	6,227.00	6,547.00	6,313.09	169.63	31.90	-94.21	5,784.34	2,082.67	3,592.79	3,509.38	83.41	43.074	
15,800.00	6,227.00	6,547.00	6,313.09	171.31	31.90	-94.21	5,784.34	2,082.67	3,689.30	3,605.83	83.46	44.202	
15,900.00	6,227.00	6,547.00	6,313.09	172.99	31.90	-94.21	5,784.34	2,082.67	3,785.98	3,702.45	83.53	45.327	
16,000.00	6,227.00	6,547.00	6,313.09	174.68	31.90	-94.21	5,784.34	2,082.67	3,882.83	3,799.24	83.59	46.448	
16,100.00	6,227.00	6,547.00	6,313.09	176.36	31.90	-94.21	5,784.34	2,082.67	3,979.84	3,896.17	83.67	47.567	
16,200.00	6,227.00	6,547.00	6,313.09	178.05	31.90	-94.21	5,784.34	2,082.67	4,076.99	3,993.25	83.75	48.682	
16,300.00	6,227.00	6,547.00	6,313.09	179.74	31.90	-94.21	5,784.34	2,082.67	4,174.28	4,090.45	83.83	49.795	
16,400.00	6,227.00	6,547.00	6,313.09	181.43	31.90	-94.21	5,784.34	2,082.67	4,271.69	4,187.78	83.91	50.905	
16,500.00	6,227.00	6,547.00	6,313.09	183.13	31.90	-94.21	5,784.34	2,082.67	4,369.22	4,285.22	84.00	52.013	
16,600.00	6,227.00	6,547.00	6,313.09	184.82	31.90	-94.21	5,784.34	2,082.67	4,466.86	4,382.77	84.09	53.118	
16,700.00	6,227.00	6,547.00	6,313.09	186.52	31.90	-94.21	5,784.34	2,082.67	4,564.60	4,480.42	84.18	54.221	
16,800.00	6,227.00	6,547.00	6,313.09	188.22	31.90	-94.21	5,784.34	2,082.67	4,662.44	4,578.16	84.28	55.322	
16,900.00	6,227.00	6,547.00	6,313.09	189.92	31.90	-94.21	5,784.34	2,082.67	4,760.37	4,675.99	84.37	56.421	
17,000.81	6,227.00	6,547.00	6,313.09	191.63	31.90	-94.21	5,784.34	2,082.67	4,859.17	4,774.70	84.47	57.526	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	16.78	16.78	0.00	0.03	7.66	6,041.72	812.71	6,096.14				
100.00	100.00	121.67	121.67	0.27	0.21	7.66	6,041.64	812.90	6,096.09	6,095.60	0.48	N/A	
200.00	200.00	226.55	226.55	0.63	0.40	7.67	6,041.43	813.39	6,095.95	6,094.93	1.02	5,956.636	
300.00	300.00	331.43	331.43	0.99	0.58	7.68	6,041.10	814.16	6,095.74	6,094.17	1.57	3,894.530	
400.00	399.98	436.31	436.29	1.34	0.76	-75.72	6,040.65	815.24	6,095.02	6,092.91	2.10	2,901.184	
500.00	499.84	541.10	541.08	1.69	0.95	-75.79	6,040.07	816.60	6,093.35	6,090.71	2.64	2,309.865	
600.00	599.45	604.00	603.97	2.06	1.06	-75.87	6,039.66	817.56	6,090.89	6,087.78	3.11	1,955.941	
700.00	698.70	666.07	666.03	2.44	1.28	-75.98	6,039.64	818.53	6,088.20	6,084.49	3.72	1,637.800	
800.00	797.47	878.00	877.94	2.85	2.00	-76.37	6,039.45	817.52	6,084.24	6,079.40	4.84	1,255.893	
900.00	895.62	934.96	934.89	3.29	2.19	-76.58	6,039.05	816.63	6,078.87	6,073.40	5.47	1,110.741	
1,000.00	993.06	1,189.09	1,188.60	3.76	3.10	-77.15	6,033.00	826.12	6,071.33	6,064.48	6.84	887.574	
1,100.00	1,089.64	1,246.00	1,245.05	4.27	3.31	-77.39	6,030.79	832.89	6,062.83	6,055.27	7.56	801.986	
1,200.00	1,185.27	1,392.30	1,389.15	4.83	3.89	-77.74	6,024.07	857.16	6,053.55	6,044.86	8.69	696.280	
1,300.00	1,279.82	1,621.77	1,611.99	5.45	4.94	-78.16	6,008.26	909.36	6,041.89	6,031.56	10.33	584.829	
1,400.00	1,373.17	1,890.00	1,868.55	6.12	6.41	-78.63	5,980.92	982.59	6,026.21	6,013.80	12.41	485.561	
1,500.00	1,465.21	1,890.00	1,868.55	6.85	6.41	-78.95	5,980.92	982.59	6,010.25	5,997.11	13.14	457.489	
1,600.00	1,555.84	1,947.63	1,923.45	7.65	6.75	-79.33	5,974.97	999.05	5,994.25	5,979.99	14.25	420.513	
1,700.00	1,644.94	1,986.00	1,959.97	8.51	6.98	-79.69	5,971.77	1,010.40	5,979.12	5,963.79	15.33	390.018	
1,800.00	1,732.39	2,028.85	2,000.72	9.45	7.24	-80.06	5,968.60	1,023.24	5,964.35	5,947.84	16.51	361.259	
1,827.18	1,755.86	2,048.82	2,019.73	9.72	7.36	-80.19	5,967.15	1,029.22	5,960.34	5,943.45	16.89	352.873	
1,900.00	1,818.58	2,303.85	2,262.53	10.44	8.92	-80.73	5,944.86	1,103.87	5,948.37	5,929.26	19.11	311.267	
2,000.00	1,904.71	2,368.00	2,323.72	11.46	9.32	-80.87	5,938.79	1,122.17	5,931.24	5,910.74	20.50	289.375	
2,100.00	1,990.83	2,413.90	2,367.47	12.49	9.61	-80.97	5,934.74	1,135.44	5,914.77	5,892.97	21.80	271.355	
2,200.00	2,076.96	2,717.14	2,655.40	13.53	11.56	-81.62	5,903.03	1,224.92	5,897.41	5,872.75	24.65	239.204	
2,300.00	2,163.08	2,833.74	2,765.44	14.57	12.35	-81.86	5,888.29	1,260.53	5,877.76	5,851.33	26.43	222.421	
2,400.00	2,249.21	2,885.82	2,814.78	15.62	12.68	-81.97	5,881.62	1,275.80	5,858.14	5,830.35	27.80	210.746	
2,500.00	2,335.33	2,936.00	2,862.78	16.68	13.01	-82.09	5,876.18	1,289.38	5,839.86	5,810.70	29.16	200.260	
2,600.00	2,421.45	3,006.63	2,930.55	17.74	13.44	-82.27	5,868.73	1,307.81	5,822.12	5,791.49	30.63	190.079	
2,700.00	2,507.58	3,105.72	3,025.72	18.81	14.04	-82.53	5,858.00	1,333.25	5,804.23	5,771.97	32.25	179.966	
2,800.00	2,593.70	3,232.72	3,148.26	19.87	14.78	-82.88	5,844.50	1,363.76	5,786.60	5,752.60	34.00	170.183	
2,900.00	2,679.83	3,260.82	3,175.38	20.94	14.95	-82.96	5,841.63	1,370.52	5,769.28	5,734.03	35.25	163.679	
3,000.00	2,765.95	3,703.00	3,591.91	22.01	17.99	-83.91	5,782.52	1,504.51	5,748.87	5,709.90	38.97	147.525	
3,100.00	2,852.08	3,703.00	3,591.91	23.09	17.99	-83.91	5,782.52	1,504.51	5,727.24	5,687.14	40.09	142.843	
3,200.00	2,938.20	3,798.00	3,679.84	24.16	18.72	-84.07	5,768.56	1,537.64	5,706.47	5,664.63	41.84	136.389	
3,300.00	3,024.32	3,798.00	3,679.84	25.24	18.72	-84.07	5,768.56	1,537.64	5,686.59	5,643.62	42.97	132.341	
3,400.00	3,110.45	3,832.55	3,712.20	26.32	18.97	-84.14	5,764.32	1,548.97	5,668.15	5,623.84	44.31	127.925	
3,500.00	3,196.57	3,894.00	3,770.07	27.40	19.41	-84.27	5,757.49	1,568.46	5,650.81	5,605.00	45.81	123.345	
3,600.00	3,282.70	3,894.00	3,770.07	28.48	19.41	-84.27	5,757.49	1,568.46	5,634.41	5,587.47	46.94	120.038	
3,700.00	3,368.82	3,947.76	3,821.02	29.56	19.76	-84.39	5,752.36	1,584.81	5,619.04	5,570.67	48.38	116.151	
3,800.00	3,454.95	3,990.00	3,861.27	30.64	20.05	-84.49	5,748.96	1,597.19	5,604.90	5,555.16	49.75	112.668	
3,900.00	3,541.07	4,028.67	3,898.28	31.72	20.28	-84.59	5,746.23	1,608.06	5,591.81	5,540.74	51.08	109.479	
4,000.00	3,627.19	4,086.00	3,953.45	32.80	20.63	-84.74	5,742.70	1,623.22	5,579.69	5,527.18	52.51	106.262	
4,100.00	3,713.32	4,501.32	4,356.71	33.89	22.92	-86.05	5,705.35	1,714.44	5,564.46	5,508.92	55.54	100.184	
4,200.00	3,799.44	4,563.00	4,416.52	34.97	23.27	-86.25	5,698.64	1,727.97	5,548.04	5,491.07	56.97	97.387	
4,300.00	3,885.57	4,659.00	4,509.30	36.05	23.83	-86.55	5,688.17	1,750.23	5,531.91	5,473.36	58.56	94.471	
4,400.00	3,971.69	4,720.17	4,568.26	37.14	24.18	-86.73	5,681.36	1,765.02	5,515.82	5,455.83	59.99	91.947	
4,500.00	4,057.82	4,814.60	4,659.57	38.22	24.74	-87.02	5,671.53	1,786.97	5,500.47	5,438.90	61.58	89.328	
4,600.00	4,143.94	4,918.74	4,759.66	39.31	25.37	-87.33	5,660.30	1,813.35	5,484.85	5,421.62	63.23	86.746	
4,700.00	4,230.06	4,947.00	4,786.83	40.39	25.54	-87.41	5,657.32	1,820.56	5,469.94	5,405.42	64.52	84.777	
4,800.00	4,316.19	4,997.06	4,834.96	41.48	25.85	-87.55	5,652.55	1,833.49	5,456.04	5,390.12	65.92	82.768	
4,900.00	4,402.31	5,042.00	4,878.12	42.57	26.12	-87.68	5,649.07	1,845.51	5,443.50	5,376.22	67.29	80.897	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
5,000.00	4,488.44	5,042.00	4,878.12	43.65	26.12	-87.68	5,649.07	1,845.51	5,432.23	5,363.81	68.42	79.397	
5,100.00	4,574.56	5,095.11	4,929.31	44.74	26.43	-87.83	5,645.84	1,859.26	5,422.02	5,352.22	69.81	77.672	
5,200.00	4,660.69	5,137.00	4,969.98	45.83	26.67	-87.96	5,643.94	1,869.13	5,413.19	5,342.06	71.13	76.101	
5,300.00	4,746.81	5,248.99	5,079.19	46.91	27.26	-88.33	5,639.13	1,893.44	5,405.01	5,332.25	72.77	74.278	
5,400.00	4,832.93	5,390.24	5,217.04	48.00	27.99	-88.81	5,631.81	1,923.37	5,396.15	5,321.63	74.52	72.412	
5,500.00	4,919.06	5,460.70	5,285.91	49.09	28.35	-89.05	5,627.86	1,937.71	5,387.20	5,311.25	75.94	70.938	
5,600.00	5,005.18	5,516.00	5,340.09	50.17	28.63	-89.25	5,625.16	1,948.42	5,379.13	5,301.84	77.29	69.597	
5,700.00	5,091.31	5,608.86	5,431.17	51.26	29.08	-89.59	5,620.95	1,966.04	5,371.64	5,292.85	78.79	68.177	
5,800.00	5,177.43	5,708.00	5,528.36	52.35	29.57	-89.95	5,615.89	1,984.96	5,363.80	5,283.49	80.32	66.785	
5,900.00	5,263.56	5,757.00	5,576.49	53.44	29.80	-90.13	5,613.63	1,993.85	5,356.86	5,275.25	81.62	65.636	
6,000.00	5,349.68	5,792.25	5,611.24	54.53	29.95	-90.27	5,612.45	1,999.64	5,351.26	5,268.43	82.84	64.601	
6,100.00	5,435.80	5,836.81	5,655.29	55.61	30.15	-90.45	5,611.23	2,006.23	5,346.75	5,262.67	84.08	63.590	
6,200.00	5,521.93	5,852.00	5,670.33	56.70	30.21	-90.52	5,610.90	2,008.32	5,343.52	5,258.33	85.19	62.725	
6,300.00	5,608.05	5,875.08	5,693.20	57.79	30.30	-90.61	5,610.70	2,011.42	5,341.79	5,255.48	86.31	61.891	
6,332.40	5,635.96	5,879.73	5,697.81	58.14	30.32	-90.63	5,610.73	2,012.04	5,341.59	5,254.94	86.66	61.640	
6,400.00	5,694.18	5,900.00	5,717.90	58.88	30.39	-90.72	5,611.09	2,014.69	5,341.80	5,254.38	87.42	61.104	
6,479.32	5,762.49	5,900.00	5,717.90	59.74	30.39	-90.72	5,611.09	2,014.69	5,342.84	5,254.64	88.20	60.577	
6,500.00	5,780.28	5,900.00	5,717.90	59.97	30.39	-87.26	5,611.09	2,014.69	5,342.93	5,254.53	88.40	60.440	
6,550.00	5,822.98	5,900.00	5,717.90	60.51	30.39	-79.30	5,611.09	2,014.69	5,340.43	5,251.55	88.88	60.086	
6,600.00	5,865.00	5,900.00	5,717.90	61.05	30.39	-72.14	5,611.09	2,014.69	5,334.07	5,244.73	89.35	59.700	
6,650.00	5,906.01	5,900.00	5,717.90	61.57	30.39	-65.92	5,611.09	2,014.69	5,323.90	5,234.10	89.80	59.286	
6,700.00	5,945.70	5,900.00	5,717.90	62.08	30.39	-60.66	5,611.09	2,014.69	5,309.97	5,219.74	90.23	58.847	
6,750.00	5,983.77	5,922.22	5,739.90	62.56	30.47	-56.42	5,612.20	2,017.65	5,291.85	5,201.08	90.76	58.305	
6,800.00	6,019.92	5,925.94	5,743.57	63.02	30.49	-52.91	5,612.48	2,018.16	5,270.46	5,179.29	91.17	57.810	
6,850.00	6,053.90	5,948.00	5,765.29	63.45	30.56	-50.23	5,614.70	2,021.31	5,245.94	5,154.29	91.65	57.239	
6,900.00	6,085.42	5,948.00	5,765.29	63.86	30.56	-48.09	5,614.70	2,021.31	5,217.61	5,125.63	91.98	56.723	
6,950.00	6,114.26	5,948.00	5,765.29	64.23	30.56	-46.53	5,614.70	2,021.31	5,186.13	5,093.85	92.29	56.196	
7,000.00	6,140.20	5,948.00	5,765.29	64.58	30.56	-45.54	5,614.70	2,021.31	5,151.70	5,059.13	92.56	55.657	
7,050.00	6,163.03	5,948.00	5,765.29	64.89	30.56	-45.11	5,614.70	2,021.31	5,114.50	5,021.69	92.81	55.109	
7,100.00	6,182.59	5,948.00	5,765.29	65.17	30.56	-45.28	5,614.70	2,021.31	5,074.78	4,981.75	93.02	54.554	
7,150.00	6,198.73	5,948.00	5,765.29	65.42	30.56	-46.17	5,614.70	2,021.31	5,032.77	4,939.55	93.21	53.992	
7,200.00	6,211.32	5,948.00	5,765.29	65.65	30.56	-47.99	5,614.70	2,021.31	4,988.74	4,895.36	93.38	53.426	
7,250.00	6,220.26	5,948.00	5,765.29	65.84	30.56	-51.15	5,614.70	2,021.31	4,942.98	4,849.46	93.52	52.857	
7,300.00	6,225.50	5,948.00	5,765.29	66.01	30.56	-56.53	5,614.70	2,021.31	4,895.79	4,802.16	93.63	52.286	
7,344.70	6,227.00	5,948.00	5,765.29	66.14	30.56	-64.74	5,614.70	2,021.31	4,852.65	4,758.93	93.72	51.777	
7,400.00	6,227.00	5,948.00	5,765.29	66.29	30.56	-64.74	5,614.70	2,021.31	4,798.87	4,705.04	93.82	51.148	
7,500.00	6,227.00	5,948.00	5,765.29	66.58	30.56	-64.74	5,614.70	2,021.31	4,701.68	4,607.67	94.01	50.012	
7,600.00	6,227.00	5,948.00	5,765.29	66.90	30.56	-64.74	5,614.70	2,021.31	4,604.62	4,510.42	94.21	48.879	
7,700.00	6,227.00	5,948.00	5,765.29	67.24	30.56	-64.74	5,614.70	2,021.31	4,507.69	4,413.28	94.41	47.747	
7,800.00	6,227.00	5,948.00	5,765.29	67.61	30.56	-64.74	5,614.70	2,021.31	4,410.89	4,316.27	94.62	46.617	
7,900.00	6,227.00	5,948.00	5,765.29	68.00	30.56	-64.74	5,614.70	2,021.31	4,314.24	4,219.40	94.84	45.490	
8,000.00	6,227.00	5,948.00	5,765.29	68.43	30.56	-64.74	5,614.70	2,021.31	4,217.75	4,122.68	95.07	44.365	
8,100.00	6,227.00	5,948.00	5,765.29	68.88	30.56	-64.74	5,614.70	2,021.31	4,121.42	4,026.11	95.31	43.242	
8,200.00	6,227.00	5,948.00	5,765.29	69.36	30.56	-64.74	5,614.70	2,021.31	4,025.27	3,929.71	95.56	42.122	
8,300.00	6,227.00	5,948.00	5,765.29	69.88	30.56	-64.74	5,614.70	2,021.31	3,929.32	3,833.49	95.82	41.006	
8,400.00	6,227.00	5,948.00	5,765.29	70.43	30.56	-64.74	5,614.70	2,021.31	3,833.57	3,737.47	96.10	39.892	
8,500.00	6,227.00	5,948.00	5,765.29	71.00	30.56	-64.74	5,614.70	2,021.31	3,738.04	3,641.66	96.39	38.782	
8,600.00	6,227.00	5,970.39	5,787.16	71.62	30.64	-65.69	5,618.02	2,024.76	3,642.17	3,545.31	96.86	37.602	
8,700.00	6,227.00	5,972.48	5,789.19	72.26	30.65	-65.78	5,618.39	2,025.10	3,547.03	3,449.83	97.20	36.494	
8,800.00	6,227.00	5,974.69	5,791.33	72.94	30.65	-65.87	5,618.79	2,025.46	3,452.15	3,354.60	97.55	35.389	
8,900.00	6,227.00	5,996.00	5,811.85	73.66	30.72	-66.78	5,623.22	2,029.10	3,357.98	3,259.91	98.07	34.240	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
9,000.00	6,227.00	5,996.00	5,811.85	74.41	30.72	-66.78	5,623.22	2,029.10	3,263.59	3,165.14	98.45	33.151		
9,100.00	6,227.00	5,996.00	5,811.85	75.19	30.72	-66.78	5,623.22	2,029.10	3,169.55	3,070.71	98.84	32.068		
9,200.00	6,227.00	5,996.00	5,811.85	76.01	30.72	-66.78	5,623.22	2,029.10	3,075.88	2,976.62	99.25	30.990		
9,300.00	6,227.00	5,996.00	5,811.85	76.86	30.72	-66.78	5,623.22	2,029.10	2,982.62	2,882.93	99.69	29.919		
9,400.00	6,227.00	5,996.00	5,811.85	77.75	30.72	-66.78	5,623.22	2,029.10	2,889.82	2,789.67	100.15	28.855		
9,500.00	6,227.00	5,996.00	5,811.85	78.67	30.72	-66.78	5,623.22	2,029.10	2,797.51	2,696.87	100.63	27.799		
9,600.00	6,227.00	5,996.00	5,811.85	79.63	30.72	-66.78	5,623.22	2,029.10	2,705.74	2,604.60	101.14	26.752		
9,700.00	6,227.00	5,996.00	5,811.85	80.62	30.72	-66.78	5,623.22	2,029.10	2,614.58	2,512.90	101.68	25.714		
9,800.00	6,227.00	5,996.00	5,811.85	81.64	30.72	-66.78	5,623.22	2,029.10	2,524.09	2,421.85	102.24	24.687		
9,900.00	6,227.00	6,016.03	5,830.89	82.69	30.79	-67.63	5,628.21	2,032.81	2,434.00	2,330.94	103.07	23.616		
10,000.00	6,227.00	6,022.70	5,837.18	83.77	30.81	-67.91	5,630.02	2,034.11	2,344.83	2,241.04	103.78	22.594		
10,100.00	6,227.00	6,044.00	5,857.06	84.88	30.88	-68.81	5,636.29	2,038.48	2,256.63	2,151.92	104.71	21.551		
10,200.00	6,227.00	6,044.00	5,857.06	86.02	30.88	-68.81	5,636.29	2,038.48	2,169.05	2,063.62	105.44	20.572		
10,300.00	6,227.00	6,044.00	5,857.06	87.19	30.88	-68.81	5,636.29	2,038.48	2,082.59	1,976.39	106.20	19.610		
10,400.00	6,227.00	6,044.00	5,857.06	88.38	30.88	-68.81	5,636.29	2,038.48	1,997.39	1,890.39	107.00	18.668		
10,500.00	6,227.00	6,044.00	5,857.06	89.60	30.88	-68.81	5,636.29	2,038.48	1,913.62	1,805.78	107.83	17.746		
10,600.00	6,227.00	6,068.87	5,879.90	90.84	30.95	-69.86	5,644.62	2,043.72	1,830.78	1,721.69	109.09	16.782		
10,700.00	6,227.00	6,092.00	5,900.77	92.11	31.02	-70.85	5,653.36	2,048.49	1,750.12	1,639.73	110.39	15.854		
10,800.00	6,227.00	6,092.00	5,900.77	93.39	31.02	-70.85	5,653.36	2,048.49	1,670.89	1,559.52	111.38	15.002		
10,900.00	6,227.00	6,092.00	5,900.77	94.70	31.02	-70.85	5,653.36	2,048.49	1,594.00	1,481.62	112.39	14.183		
11,000.00	6,227.00	6,110.48	5,917.24	96.03	31.06	-71.65	5,660.93	2,052.07	1,519.42	1,405.64	113.77	13.355		
11,100.00	6,227.00	6,122.99	5,928.33	97.37	31.09	-72.19	5,666.28	2,054.28	1,447.60	1,332.51	115.08	12.579		
11,200.00	6,227.00	6,140.00	5,943.32	98.74	31.13	-72.95	5,673.84	2,057.02	1,378.90	1,262.38	116.52	11.834		
11,300.00	6,227.00	6,140.00	5,943.32	100.12	31.13	-72.95	5,673.84	2,057.02	1,313.86	1,196.32	117.54	11.178		
11,400.00	6,227.00	6,159.75	5,960.51	101.51	31.15	-73.83	5,683.18	2,059.72	1,252.81	1,133.79	119.02	10.526		
11,500.00	6,227.00	6,188.00	5,984.50	102.92	31.19	-75.10	5,697.80	2,062.62	1,196.99	1,076.30	120.69	9.918		
11,600.00	6,227.00	6,188.00	5,984.50	104.35	31.19	-75.10	5,697.80	2,062.62	1,145.80	1,024.37	121.43	9.436		
11,700.00	6,227.00	6,188.00	5,984.50	105.79	31.19	-75.10	5,697.80	2,062.62	1,101.33	979.43	121.90	9.035		
11,800.00	6,227.00	6,236.00	6,023.71	107.24	31.22	-77.25	5,725.36	2,064.77	1,063.16	939.30	123.86	8.584		
11,900.00	6,227.00	6,236.00	6,023.71	108.71	31.22	-77.25	5,725.36	2,064.77	1,031.92	908.15	123.77	8.337		
12,000.00	6,227.00	6,284.00	6,060.00	110.19	31.21	-79.31	5,756.74	2,064.91	1,008.39	883.15	125.24	8.052		
12,100.00	6,227.00	6,320.64	6,085.18	111.68	31.20	-80.75	5,783.34	2,064.89	991.59	865.68	125.91	7.875		
12,200.00	6,227.00	6,379.00	6,122.09	113.18	31.17	-82.89	5,828.54	2,064.68	980.74	853.57	127.17	7.712		
12,300.00	6,227.00	6,452.61	6,166.92	114.68	31.12	-85.52	5,886.91	2,064.17	974.40	845.59	128.81	7.565		
12,383.70	6,227.00	6,508.53	6,200.23	115.96	31.08	-87.48	5,931.82	2,063.09	972.83	843.11	129.72	7.499 CC		
12,400.00	6,227.00	6,522.00	6,208.07	116.20	31.07	-87.94	5,942.77	2,062.77	972.89	842.89	129.99	7.484 ES		
12,500.00	6,227.00	6,570.00	6,235.57	117.73	31.04	-89.56	5,982.05	2,060.74	976.68	846.75	129.92	7.517		
12,600.00	6,227.00	6,625.83	6,265.28	119.27	30.99	-91.30	6,029.12	2,056.53	986.25	856.29	129.95	7.589		
12,700.00	6,227.00	6,722.30	6,308.47	120.81	30.88	-93.79	6,114.67	2,046.69	1,000.04	868.20	131.84	7.585		
12,800.00	6,227.00	6,941.62	6,348.00	122.37	30.71	-96.00	6,328.48	2,037.30	1,004.75	865.03	139.72	7.191		
12,900.00	6,227.00	7,030.62	6,348.12	123.93	30.70	-95.99	6,417.45	2,035.22	1,007.42	865.92	141.50	7.120		
13,000.00	6,227.00	7,118.38	6,347.63	125.49	30.75	-95.95	6,505.16	2,032.30	1,011.02	867.76	143.26	7.057		
13,100.00	6,227.00	7,241.92	6,347.80	127.07	30.95	-95.93	6,628.64	2,028.29	1,014.72	867.80	146.92	6.906		
13,200.00	6,227.00	7,317.71	6,348.04	128.65	31.19	-95.93	6,704.39	2,026.21	1,017.84	869.61	148.23	6.867		
13,300.00	6,227.00	7,425.49	6,348.23	130.24	31.69	-95.91	6,812.09	2,021.95	1,022.17	870.87	151.30	6.756		
13,400.00	6,227.00	7,522.70	6,348.79	131.83	32.34	-95.92	6,909.24	2,018.81	1,025.78	871.91	153.87	6.666		
13,500.00	6,227.00	7,620.55	6,349.79	133.43	33.16	-95.96	7,007.03	2,015.41	1,029.70	873.15	156.55	6.577		
13,600.00	6,227.00	7,709.39	6,349.12	135.03	34.01	-95.90	7,095.78	2,011.60	1,034.23	875.48	158.74	6.515		
13,700.00	6,227.00	7,813.68	6,347.88	136.64	35.12	-95.80	7,199.94	2,006.66	1,039.17	877.27	161.90	6.418		
13,800.00	6,227.00	7,918.41	6,348.60	138.25	36.32	-95.81	7,304.59	2,002.48	1,043.55	878.39	165.16	6.318		
13,900.00	6,227.00	8,017.94	6,349.44	139.87	37.54	-95.84	7,404.04	1,998.54	1,047.92	879.78	168.15	6.232		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
14,000.00	6,227.00	8,136.20	6,351.48	141.50	39.06	-95.93	7,522.24	1,995.67	1,050.78	878.46	172.33	6.098	
14,100.00	6,227.00	8,227.57	6,352.47	143.12	40.28	-95.97	7,613.57	1,993.43	1,053.69	878.79	174.89	6.025	
14,200.00	6,227.00	8,325.72	6,351.57	144.76	41.62	-95.90	7,711.67	1,990.12	1,057.29	879.39	177.90	5.943	
14,300.00	6,227.00	8,429.09	6,350.14	146.39	43.06	-95.80	7,814.98	1,987.15	1,060.34	879.08	181.26	5.850	
14,400.00	6,227.00	8,518.62	6,351.00	148.03	44.34	-95.83	7,904.46	1,984.32	1,063.94	880.16	183.78	5.789	
14,500.00	6,227.00	8,612.87	6,350.92	149.67	45.70	-95.80	7,998.62	1,980.24	1,068.57	881.96	186.61	5.726	
14,600.00	6,227.00	8,731.79	6,351.90	151.32	47.45	-95.83	8,117.46	1,976.02	1,072.56	881.50	191.06	5.614	
14,700.00	6,227.00	8,858.03	6,353.00	152.97	49.35	-95.88	8,243.68	1,974.51	1,074.18	878.24	195.94	5.482	
14,800.00	6,227.00	8,947.86	6,352.17	154.62	50.71	-95.83	8,333.50	1,974.01	1,074.99	876.42	198.57	5.414	
14,900.00	6,227.00	9,057.03	6,352.03	156.28	52.39	-95.82	8,442.67	1,973.16	1,076.12	873.70	202.42	5.316	
15,000.00	6,227.00	9,143.54	6,352.93	157.94	53.73	-95.86	8,529.16	1,972.55	1,077.27	872.40	204.87	5.258	
15,100.00	6,227.00	9,242.05	6,352.38	159.60	55.27	-95.82	8,627.66	1,970.93	1,079.19	871.11	208.08	5.186	
15,200.00	6,227.00	9,337.47	6,350.60	161.27	56.77	-95.71	8,723.05	1,969.05	1,081.32	870.21	211.11	5.122	
15,300.00	6,227.00	9,451.01	6,348.66	162.94	58.58	-95.60	8,836.55	1,967.30	1,083.02	867.72	215.31	5.030	
15,400.00	6,227.00	9,550.87	6,348.66	164.61	60.17	-95.59	8,936.41	1,966.54	1,084.13	865.49	218.64	4.959	
15,500.00	6,227.00	9,647.32	6,348.92	166.28	61.72	-95.60	9,032.85	1,965.71	1,085.36	863.59	221.77	4.894	
15,600.00	6,227.00	9,738.47	6,349.23	167.95	63.19	-95.61	9,123.99	1,964.52	1,087.06	862.50	224.56	4.841	
15,700.00	6,227.00	9,821.00	6,350.06	169.63	64.53	-95.64	9,206.48	1,961.89	1,090.58	863.81	226.76	4.809	
15,800.00	6,227.00	9,893.19	6,350.75	171.31	65.71	-95.65	9,278.56	1,958.08	1,096.10	867.91	228.20	4.803	
15,900.00	6,227.00	10,012.07	6,351.81	172.99	67.65	-95.67	9,397.25	1,951.55	1,102.08	869.14	232.94	4.731	
16,000.00	6,227.00	10,096.69	6,352.92	174.68	69.04	-95.71	9,481.76	1,947.41	1,107.42	872.16	235.26	4.707	
16,100.00	6,227.00	10,200.67	6,353.24	176.36	70.76	-95.69	9,585.57	1,941.59	1,113.37	874.41	238.96	4.659	
16,200.00	6,227.00	10,312.65	6,350.89	178.05	72.62	-95.54	9,697.40	1,936.17	1,118.32	875.09	243.23	4.598	
16,300.00	6,227.00	10,399.77	6,349.69	179.74	74.07	-95.46	9,784.40	1,931.82	1,123.49	877.74	245.75	4.572	
16,400.00	6,227.00	10,502.03	6,349.30	181.43	75.78	-95.41	9,886.50	1,926.30	1,129.18	879.83	249.35	4.529	
16,500.00	6,227.00	10,614.05	6,348.46	183.13	77.66	-95.34	9,998.41	1,921.36	1,133.81	880.18	253.63	4.470	
16,600.00	6,227.00	10,712.39	6,347.66	184.82	79.31	-95.28	10,096.64	1,916.80	1,138.70	881.74	256.96	4.431	
16,700.00	6,227.00	10,822.81	6,347.93	186.52	81.17	-95.27	10,207.00	1,913.31	1,142.15	881.05	261.11	4.374	
16,800.00	6,227.00	10,976.65	6,347.17	188.22	83.77	-95.22	10,360.78	1,910.59	1,144.63	876.73	267.89	4.273	
16,835.40	6,227.00	11,000.00	6,346.68	188.82	84.16	-95.20	10,384.13	1,910.88	1,144.32	875.91	268.40	4.263 SF	
16,900.00	6,227.00	11,000.00	6,346.68	189.92	84.16	-95.20	10,384.13	1,910.88	1,146.13	879.74	266.39	4.302	
17,000.81	6,227.00	11,000.00	6,346.68	191.63	84.16	-95.20	10,384.13	1,910.88	1,156.20	894.42	261.78	4.417	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
SEC 36-T5N-R63W - ABND VERT 70 RANCH USX BB 25-07P - OWB - Design #1													
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	38.09	3,535.78	2,771.33	4,492.44				
100.00	100.00	130.00	130.00	0.27	1.81	38.09	3,535.78	2,771.33	4,492.44	4,490.36	2.08	2,160.348	
200.00	200.00	230.00	230.00	0.63	4.05	38.09	3,535.78	2,771.33	4,492.44	4,487.76	4.68	960.491	
300.00	300.00	330.00	330.00	0.99	6.12	38.09	3,535.78	2,771.33	4,492.44	4,485.33	7.10	632.364	
400.00	399.98	429.98	429.98	1.34	8.16	-45.32	3,535.78	2,771.33	4,491.21	4,481.72	9.49	473.021	
500.00	499.84	529.84	529.84	1.69	10.18	-45.42	3,535.78	2,771.33	4,487.53	4,475.66	11.87	377.947	
600.00	599.45	629.45	629.45	2.06	12.19	-45.59	3,535.78	2,771.33	4,481.41	4,467.16	14.25	314.457	
700.00	698.70	728.70	728.70	2.44	14.20	-45.82	3,535.78	2,771.33	4,472.87	4,456.24	16.63	268.965	
800.00	797.47	827.47	827.47	2.85	16.19	-46.12	3,535.78	2,771.33	4,461.92	4,442.91	19.01	234.699	
900.00	895.62	925.62	925.62	3.29	18.17	-46.49	3,535.78	2,771.33	4,448.62	4,427.22	21.40	207.907	
1,000.00	993.06	1,023.06	1,023.06	3.76	20.13	-46.93	3,535.78	2,771.33	4,432.98	4,409.19	23.79	186.342	
1,100.00	1,089.64	1,119.64	1,119.64	4.27	22.08	-47.44	3,535.78	2,771.33	4,415.06	4,388.87	26.19	168.576	
1,200.00	1,185.27	1,215.27	1,215.27	4.83	24.00	-48.02	3,535.78	2,771.33	4,394.92	4,366.32	28.60	153.658	
1,300.00	1,279.82	1,309.82	1,309.82	5.45	25.91	-48.67	3,535.78	2,771.33	4,372.61	4,341.59	31.03	140.933	
1,400.00	1,373.17	1,403.17	1,403.17	6.12	27.78	-49.39	3,535.78	2,771.33	4,348.20	4,314.74	33.47	129.930	
1,500.00	1,465.21	1,495.21	1,495.21	6.85	29.64	-50.19	3,535.78	2,771.33	4,321.77	4,285.85	35.92	120.308	
1,600.00	1,555.84	1,585.84	1,585.84	7.65	31.46	-51.06	3,535.78	2,771.33	4,293.40	4,255.00	38.40	111.810	
1,700.00	1,644.94	1,674.94	1,674.94	8.51	33.25	-52.00	3,535.78	2,771.33	4,263.18	4,222.29	40.90	104.239	
1,800.00	1,732.39	1,762.39	1,762.39	9.45	35.01	-53.01	3,535.78	2,771.33	4,231.21	4,187.79	43.42	97.445	
1,827.18	1,755.86	1,785.86	1,785.86	9.72	35.49	-53.30	3,535.78	2,771.33	4,222.23	4,178.12	44.11	95.714	
1,900.00	1,818.58	1,848.58	1,848.58	10.44	36.75	-53.67	3,535.78	2,771.33	4,198.11	4,152.14	45.97	91.323	
2,000.00	1,904.71	1,934.71	1,934.71	11.46	38.48	-54.18	3,535.78	2,771.33	4,165.29	4,116.74	48.54	85.807	
2,100.00	1,990.83	2,020.83	2,020.83	12.49	40.21	-54.70	3,535.78	2,771.33	4,132.83	4,081.69	51.14	80.818	
2,200.00	2,076.96	2,106.96	2,106.96	13.53	41.94	-55.23	3,535.78	2,771.33	4,100.75	4,046.99	53.75	76.289	
2,300.00	2,163.08	2,193.08	2,193.08	14.57	43.68	-55.76	3,535.78	2,771.33	4,069.04	4,012.66	56.39	72.163	
2,400.00	2,249.21	2,279.21	2,279.21	15.62	45.41	-56.30	3,535.78	2,771.33	4,037.73	3,978.69	59.04	68.392	
2,500.00	2,335.33	2,365.33	2,365.33	16.68	47.14	-56.85	3,535.78	2,771.33	4,006.82	3,945.12	61.71	64.935	
2,600.00	2,421.45	2,451.45	2,451.45	17.74	48.87	-57.40	3,535.78	2,771.33	3,976.32	3,911.93	64.39	61.756	
2,700.00	2,507.58	2,537.58	2,537.58	18.81	50.61	-57.96	3,535.78	2,771.33	3,946.24	3,879.15	67.08	58.825	
2,800.00	2,593.70	2,623.70	2,623.70	19.87	52.34	-58.53	3,535.78	2,771.33	3,916.58	3,846.78	69.80	56.115	
2,900.00	2,679.83	2,709.83	2,709.83	20.94	54.07	-59.11	3,535.78	2,771.33	3,887.36	3,814.84	72.52	53.604	
3,000.00	2,765.95	2,795.95	2,795.95	22.01	55.80	-59.69	3,535.78	2,771.33	3,858.59	3,783.34	75.26	51.272	
3,100.00	2,852.08	2,882.08	2,882.08	23.09	57.54	-60.28	3,535.78	2,771.33	3,830.28	3,752.28	78.01	49.102	
3,200.00	2,938.20	2,968.20	2,968.20	24.16	59.27	-60.87	3,535.78	2,771.33	3,802.44	3,721.67	80.77	47.078	
3,300.00	3,024.32	3,054.32	3,054.32	25.24	61.00	-61.48	3,535.78	2,771.33	3,775.08	3,691.53	83.54	45.187	
3,400.00	3,110.45	3,140.45	3,140.45	26.32	62.73	-62.09	3,535.78	2,771.33	3,748.20	3,661.87	86.33	43.417	
3,500.00	3,196.57	3,226.57	3,226.57	27.40	64.47	-62.70	3,535.78	2,771.33	3,721.83	3,632.70	89.13	41.758	
3,600.00	3,282.70	3,312.70	3,312.70	28.48	66.20	-63.33	3,535.78	2,771.33	3,695.96	3,604.03	91.94	40.201	
3,700.00	3,368.82	3,398.82	3,398.82	29.56	67.93	-63.96	3,535.78	2,771.33	3,670.62	3,575.87	94.76	38.737	
3,800.00	3,454.95	3,484.95	3,484.95	30.64	69.66	-64.60	3,535.78	2,771.33	3,645.81	3,548.23	97.59	37.360	
3,900.00	3,541.07	3,571.07	3,571.07	31.72	71.39	-65.24	3,535.78	2,771.33	3,621.55	3,521.12	100.43	36.062	
4,000.00	3,627.19	3,657.19	3,657.19	32.80	73.13	-65.89	3,535.78	2,771.33	3,597.83	3,494.56	103.28	34.837	
4,100.00	3,713.32	3,743.32	3,743.32	33.89	74.86	-66.55	3,535.78	2,771.33	3,574.69	3,468.55	106.14	33.680	
4,200.00	3,799.44	3,829.44	3,829.44	34.97	76.59	-67.21	3,535.78	2,771.33	3,552.11	3,443.11	109.00	32.587	
4,300.00	3,885.57	3,915.57	3,915.57	36.05	78.32	-67.88	3,535.78	2,771.33	3,530.13	3,418.25	111.88	31.553	
4,400.00	3,971.69	4,001.69	4,001.69	37.14	80.05	-68.56	3,535.78	2,771.33	3,508.74	3,393.98	114.77	30.573	
4,500.00	4,057.82	4,087.82	4,087.82	38.22	81.79	-69.24	3,535.78	2,771.33	3,487.97	3,370.31	117.66	29.645	
4,600.00	4,143.94	4,173.94	4,173.94	39.31	83.52	-69.93	3,535.78	2,771.33	3,467.81	3,347.26	120.56	28.765	
4,700.00	4,230.06	4,260.06	4,260.06	40.39	85.25	-70.63	3,535.78	2,771.33	3,448.29	3,324.82	123.46	27.930	
4,800.00	4,316.19	4,346.19	4,346.19	41.48	86.98	-71.33	3,535.78	2,771.33	3,429.41	3,303.03	126.37	27.137	
4,900.00	4,402.31	4,432.31	4,432.31	42.57	88.71	-72.04	3,535.78	2,771.33	3,411.18	3,281.88	129.29	26.383	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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			
5,000.00	4,488.44	4,518.44	4,518.44	43.65	90.45	-72.75	3,535.78	2,771.33	3,393.61	3,261.39	132.21	25.668			
5,100.00	4,574.56	4,604.56	4,604.56	44.74	92.18	-73.47	3,535.78	2,771.33	3,376.71	3,241.57	135.14	24.987			
5,200.00	4,660.69	4,690.69	4,690.69	45.83	93.91	-74.20	3,535.78	2,771.33	3,360.51	3,222.44	138.07	24.339			
5,300.00	4,746.81	4,776.81	4,776.81	46.91	95.64	-74.93	3,535.78	2,771.33	3,344.99	3,203.99	141.00	23.723			
5,400.00	4,832.93	4,862.93	4,862.93	48.00	97.37	-75.66	3,535.78	2,771.33	3,330.18	3,186.24	143.94	23.137			
5,500.00	4,919.06	4,949.06	4,949.06	49.09	99.11	-76.40	3,535.78	2,771.33	3,316.08	3,169.21	146.87	22.578			
5,600.00	5,005.18	5,035.18	5,035.18	50.17	100.84	-77.15	3,535.78	2,771.33	3,302.70	3,152.89	149.81	22.047			
5,700.00	5,091.31	5,121.31	5,121.31	51.26	102.57	-77.90	3,535.78	2,771.33	3,290.05	3,137.31	152.74	21.540			
5,800.00	5,177.43	5,207.43	5,207.43	52.35	104.30	-78.65	3,535.78	2,771.33	3,278.14	3,122.47	155.67	21.058			
5,900.00	5,263.56	5,293.56	5,293.56	53.44	106.03	-79.41	3,535.78	2,771.33	3,266.98	3,108.37	158.61	20.598			
6,000.00	5,349.68	5,379.68	5,379.68	54.53	107.77	-80.17	3,535.78	2,771.33	3,256.57	3,095.04	161.54	20.160			
6,100.00	5,435.80	5,465.80	5,465.80	55.61	109.50	-80.93	3,535.78	2,771.33	3,246.93	3,082.47	164.46	19.743			
6,200.00	5,521.93	5,551.93	5,551.93	56.70	111.23	-81.70	3,535.78	2,771.33	3,238.05	3,070.67	167.38	19.345			
6,300.00	5,608.05	5,638.05	5,638.05	57.79	112.96	-82.47	3,535.78	2,771.33	3,229.95	3,059.66	170.30	18.967			
6,400.00	5,694.18	5,724.18	5,724.18	58.88	114.69	-83.24	3,535.78	2,771.33	3,222.64	3,049.43	173.20	18.606			
6,479.32	5,762.49	5,792.49	5,792.49	59.74	116.07	-83.86	3,535.78	2,771.33	3,217.39	3,041.88	175.51	18.332			
6,500.00	5,780.28	5,810.28	5,810.28	59.97	116.43	-80.56	3,535.78	2,771.33	3,215.73	3,039.63	176.10	18.260			
6,550.00	5,822.98	5,852.98	5,852.98	60.51	117.29	-72.97	3,535.78	2,771.33	3,208.80	3,031.26	177.54	18.074			
6,600.00	5,865.00	5,895.00	5,895.00	61.05	118.13	-66.13	3,535.78	2,771.33	3,197.77	3,018.83	178.94	17.871			
6,650.00	5,906.01	5,936.01	5,936.01	61.57	118.95	-60.21	3,535.78	2,771.33	3,182.71	3,002.41	180.30	17.652			
6,700.00	5,945.70	5,975.70	5,975.70	62.08	119.75	-55.22	3,535.78	2,771.33	3,163.74	2,982.13	181.61	17.420			
6,750.00	5,983.77	6,013.77	6,013.77	62.56	120.52	-51.11	3,535.78	2,771.33	3,140.99	2,958.12	182.87	17.176			
6,800.00	6,019.92	6,049.92	6,049.92	63.02	121.25	-47.81	3,535.78	2,771.33	3,114.60	2,930.55	184.05	16.922			
6,850.00	6,053.90	6,083.90	6,083.90	63.45	121.93	-45.21	3,535.78	2,771.33	3,084.76	2,899.60	185.16	16.660			
6,900.00	6,085.42	6,115.42	6,115.42	63.86	122.56	-43.26	3,535.78	2,771.33	3,051.68	2,865.50	186.19	16.391			
6,950.00	6,114.26	6,144.26	6,144.26	64.23	123.14	-41.90	3,535.78	2,771.33	3,015.60	2,828.47	187.12	16.116			
7,000.00	6,140.20	6,170.20	6,170.20	64.58	123.66	-41.10	3,535.78	2,771.33	2,976.75	2,788.78	187.97	15.836			
7,050.00	6,163.03	6,193.03	6,193.03	64.89	124.12	-40.92	3,535.78	2,771.33	2,935.41	2,746.69	188.71	15.555			
7,100.00	6,182.59	6,212.59	6,212.59	65.17	124.52	-41.43	3,535.78	2,771.33	2,891.87	2,702.51	189.36	15.272			
7,150.00	6,198.73	6,228.73	6,228.73	65.42	124.84	-42.86	3,535.78	2,771.33	2,846.44	2,656.54	189.90	14.989			
7,200.00	6,211.32	6,241.32	6,241.32	65.65	125.09	-45.74	3,535.78	2,771.33	2,799.44	2,609.11	190.33	14.708			
7,250.00	6,220.26	6,250.26	6,250.26	65.84	125.27	-51.34	3,535.78	2,771.33	2,751.21	2,560.55	190.66	14.430			
7,300.00	6,225.50	6,255.50	6,255.50	66.01	125.38	-63.45	3,535.78	2,771.33	2,702.10	2,511.22	190.88	14.156			
7,344.70	6,227.00	6,257.00	6,257.00	66.14	125.41	-90.00	3,535.78	2,771.33	2,657.72	2,466.74	190.98	13.916			
7,400.00	6,227.00	6,257.00	6,257.00	66.29	125.41	-90.00	3,535.78	2,771.33	2,602.69	2,411.63	191.06	13.623			
7,500.00	6,227.00	6,257.00	6,257.00	66.58	125.41	-90.00	3,535.78	2,771.33	2,503.19	2,311.99	191.20	13.092			
7,600.00	6,227.00	6,257.00	6,257.00	66.90	125.41	-90.00	3,535.78	2,771.33	2,403.73	2,212.38	191.36	12.561			
7,700.00	6,227.00	6,257.00	6,257.00	67.24	125.41	-90.00	3,535.78	2,771.33	2,304.32	2,112.80	191.53	12.031			
7,800.00	6,227.00	6,257.00	6,257.00	67.61	125.41	-90.00	3,535.78	2,771.33	2,204.97	2,013.26	191.71	11.501			
7,900.00	6,227.00	6,257.00	6,257.00	68.00	125.41	-90.00	3,535.78	2,771.33	2,105.67	1,913.76	191.91	10.972			
8,000.00	6,227.00	6,257.00	6,257.00	68.43	125.41	-90.00	3,535.78	2,771.33	2,006.45	1,814.31	192.13	10.443			
8,100.00	6,227.00	6,257.00	6,257.00	68.88	125.41	-90.00	3,535.78	2,771.33	1,907.30	1,714.93	192.37	9.915			
8,200.00	6,227.00	6,257.00	6,257.00	69.36	125.41	-90.00	3,535.78	2,771.33	1,808.25	1,615.61	192.64	9.387			
8,300.00	6,227.00	6,257.00	6,257.00	69.88	125.41	-90.00	3,535.78	2,771.33	1,709.31	1,516.38	192.93	8.860			
8,400.00	6,227.00	6,257.00	6,257.00	70.43	125.41	-90.00	3,535.78	2,771.33	1,610.50	1,417.24	193.26	8.333			
8,500.00	6,227.00	6,257.00	6,257.00	71.00	125.41	-90.00	3,535.78	2,771.33	1,511.85	1,318.22	193.63	7.808			
8,600.00	6,227.00	6,257.00	6,257.00	71.62	125.41	-90.00	3,535.78	2,771.33	1,413.39	1,219.35	194.04	7.284			
8,700.00	6,227.00	6,257.00	6,257.00	72.26	125.41	-90.00	3,535.78	2,771.33	1,315.16	1,120.65	194.51	6.762			
8,800.00	6,227.00	6,257.00	6,257.00	72.94	125.41	-90.00	3,535.78	2,771.33	1,217.21	1,022.17	195.04	6.241			
8,900.00	6,227.00	6,257.00	6,257.00	73.66	125.41	-90.00	3,535.78	2,771.33	1,119.63	923.98	195.66	5.722			
9,000.00	6,227.00	6,257.00	6,257.00	74.41	125.41	-90.00	3,535.78	2,771.33	1,022.52	826.15	196.37	5.207			

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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)	Centre +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	75.19	125.41	-90.00	3,535.78	2,771.33	926.03	728.82	197.21	4.696		
9,200.00	6,227.00	6,257.00	6,257.00	76.01	125.41	-90.00	3,535.78	2,771.33	830.36	632.16	198.20	4.189		
9,300.00	6,227.00	6,257.00	6,257.00	76.86	125.41	-90.00	3,535.78	2,771.33	735.84	536.47	199.38	3.691		
9,400.00	6,227.00	6,257.00	6,257.00	77.75	125.41	-90.00	3,535.78	2,771.33	642.99	442.21	200.78	3.202		
9,500.00	6,227.00	6,257.00	6,257.00	78.67	125.41	-90.00	3,535.78	2,771.33	552.64	350.20	202.44	2.730		
9,600.00	6,227.00	6,257.00	6,257.00	79.63	125.41	-90.00	3,535.78	2,771.33	466.25	261.96	204.28	2.282		
9,700.00	6,227.00	6,257.00	6,257.00	80.62	125.41	-90.00	3,535.78	2,771.33	386.47	180.48	205.98	1.876		
9,800.00	6,227.00	6,257.00	6,257.00	81.64	125.41	-90.00	3,535.78	2,771.33	318.32	111.96	206.37	1.543		
9,900.00	6,227.00	6,257.00	6,257.00	82.69	125.41	-90.00	3,535.78	2,771.33	270.74	68.23	202.52	1.337	Level 3	
9,990.09	6,227.00	6,257.00	6,257.00	83.66	125.41	-90.00	3,535.78	2,771.33	255.30	62.46	192.84	1.324	Level 3, CC, ES, SF	
10,000.00	6,227.00	6,257.00	6,257.00	83.77	125.41	-90.00	3,535.78	2,771.33	255.49	64.02	191.47	1.334	Level 3	
10,100.00	6,227.00	6,257.00	6,257.00	84.88	125.41	-90.00	3,535.78	2,771.33	277.93	100.22	177.72	1.564		
10,200.00	6,227.00	6,257.00	6,257.00	86.02	125.41	-90.00	3,535.78	2,771.33	330.48	160.67	169.81	1.946		
10,300.00	6,227.00	6,257.00	6,257.00	87.19	125.41	-90.00	3,535.78	2,771.33	401.49	233.16	168.33	2.385		
10,400.00	6,227.00	6,257.00	6,257.00	88.38	125.41	-90.00	3,535.78	2,771.33	482.87	313.22	169.65	2.846		
10,500.00	6,227.00	6,257.00	6,257.00	89.60	125.41	-90.00	3,535.78	2,771.33	570.21	398.61	171.59	3.323		
10,600.00	6,227.00	6,257.00	6,257.00	90.84	125.41	-90.00	3,535.78	2,771.33	661.14	487.70	173.45	3.812		
10,700.00	6,227.00	6,257.00	6,257.00	92.11	125.41	-90.00	3,535.78	2,771.33	754.38	579.33	175.04	4.310		
10,800.00	6,227.00	6,257.00	6,257.00	93.39	125.41	-90.00	3,535.78	2,771.33	849.15	672.77	176.38	4.814		
10,900.00	6,227.00	6,257.00	6,257.00	94.70	125.41	-90.00	3,535.78	2,771.33	945.00	767.50	177.50	5.324		
11,000.00	6,227.00	6,257.00	6,257.00	96.03	125.41	-90.00	3,535.78	2,771.33	1,041.63	863.19	178.44	5.837		
11,100.00	6,227.00	6,257.00	6,257.00	97.37	125.41	-90.00	3,535.78	2,771.33	1,138.85	959.60	179.24	6.354		
11,200.00	6,227.00	6,257.00	6,257.00	98.74	125.41	-90.00	3,535.78	2,771.33	1,236.51	1,056.58	179.93	6.872		
11,300.00	6,227.00	6,257.00	6,257.00	100.12	125.41	-90.00	3,535.78	2,771.33	1,334.51	1,153.99	180.52	7.393		
11,400.00	6,227.00	6,257.00	6,257.00	101.51	125.41	-90.00	3,535.78	2,771.33	1,432.79	1,251.75	181.04	7.914		
11,500.00	6,227.00	6,257.00	6,257.00	102.92	125.41	-90.00	3,535.78	2,771.33	1,531.29	1,349.80	181.49	8.437		
11,600.00	6,227.00	6,257.00	6,257.00	104.35	125.41	-90.00	3,535.78	2,771.33	1,629.98	1,448.08	181.90	8.961		
11,700.00	6,227.00	6,257.00	6,257.00	105.79	125.41	-90.00	3,535.78	2,771.33	1,728.82	1,546.55	182.26	9.485		
11,800.00	6,227.00	6,257.00	6,257.00	107.24	125.41	-90.00	3,535.78	2,771.33	1,827.78	1,645.19	182.59	10.010		
11,900.00	6,227.00	6,257.00	6,257.00	108.71	125.41	-90.00	3,535.78	2,771.33	1,926.85	1,743.97	182.88	10.536		
12,000.00	6,227.00	6,257.00	6,257.00	110.19	125.41	-90.00	3,535.78	2,771.33	2,026.01	1,842.86	183.15	11.062		
12,100.00	6,227.00	6,257.00	6,257.00	111.68	125.41	-90.00	3,535.78	2,771.33	2,125.25	1,941.85	183.40	11.588		
12,200.00	6,227.00	6,257.00	6,257.00	113.18	125.41	-90.00	3,535.78	2,771.33	2,224.56	2,040.93	183.63	12.115		
12,300.00	6,227.00	6,257.00	6,257.00	114.68	125.41	-90.00	3,535.78	2,771.33	2,323.93	2,140.09	183.84	12.641		
12,400.00	6,227.00	6,257.00	6,257.00	116.20	125.41	-90.00	3,535.78	2,771.33	2,423.35	2,239.32	184.03	13.168		
12,500.00	6,227.00	6,257.00	6,257.00	117.73	125.41	-90.00	3,535.78	2,771.33	2,522.81	2,338.60	184.21	13.695		
12,600.00	6,227.00	6,257.00	6,257.00	119.27	125.41	-90.00	3,535.78	2,771.33	2,622.32	2,437.94	184.38	14.222		
12,700.00	6,227.00	6,257.00	6,257.00	120.81	125.41	-90.00	3,535.78	2,771.33	2,721.86	2,537.32	184.54	14.750		
12,800.00	6,227.00	6,257.00	6,257.00	122.37	125.41	-90.00	3,535.78	2,771.33	2,821.44	2,636.75	184.69	15.277		
12,900.00	6,227.00	6,257.00	6,257.00	123.93	125.41	-90.00	3,535.78	2,771.33	2,921.04	2,736.21	184.83	15.804		
13,000.00	6,227.00	6,257.00	6,257.00	125.49	125.41	-90.00	3,535.78	2,771.33	3,020.67	2,835.71	184.96	16.331		
13,100.00	6,227.00	6,257.00	6,257.00	127.07	125.41	-90.00	3,535.78	2,771.33	3,120.32	2,935.23	185.09	16.858		
13,200.00	6,227.00	6,257.00	6,257.00	128.65	125.41	-90.00	3,535.78	2,771.33	3,220.00	3,034.79	185.21	17.385		
13,300.00	6,227.00	6,257.00	6,257.00	130.24	125.41	-90.00	3,535.78	2,771.33	3,319.69	3,134.37	185.33	17.913		
13,400.00	6,227.00	6,257.00	6,257.00	131.83	125.41	-90.00	3,535.78	2,771.33	3,419.41	3,233.97	185.44	18.440		
13,500.00	6,227.00	6,257.00	6,257.00	133.43	125.41	-90.00	3,535.78	2,771.33	3,519.14	3,333.59	185.54	18.967		
13,600.00	6,227.00	6,257.00	6,257.00	135.03	125.41	-90.00	3,535.78	2,771.33	3,618.88	3,433.23	185.65	19.494		
13,700.00	6,227.00	6,257.00	6,257.00	136.64	125.41	-90.00	3,535.78	2,771.33	3,718.64	3,532.89	185.74	20.020		
13,800.00	6,227.00	6,257.00	6,257.00	138.25	125.41	-90.00	3,535.78	2,771.33	3,818.41	3,632.57	185.84	20.547		
13,900.00	6,227.00	6,257.00	6,257.00	139.87	125.41	-90.00	3,535.78	2,771.33	3,918.19	3,732.26	185.93	21.074		
14,000.00	6,227.00	6,257.00	6,257.00	141.50	125.41	-90.00	3,535.78	2,771.33	4,017.98	3,831.96	186.02	21.600		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	143.12	125.41	-90.00	3,535.78	2,771.33	4,117.78	3,931.68	186.10	22.126		
14,200.00	6,227.00	6,257.00	6,257.00	144.76	125.41	-90.00	3,535.78	2,771.33	4,217.60	4,031.41	186.19	22.653		
14,300.00	6,227.00	6,257.00	6,257.00	146.39	125.41	-90.00	3,535.78	2,771.33	4,317.42	4,131.15	186.27	23.179		
14,400.00	6,227.00	6,257.00	6,257.00	148.03	125.41	-90.00	3,535.78	2,771.33	4,417.25	4,230.90	186.35	23.705		
14,500.00	6,227.00	6,257.00	6,257.00	149.67	125.41	-90.00	3,535.78	2,771.33	4,517.08	4,330.66	186.42	24.230		
14,600.00	6,227.00	6,257.00	6,257.00	151.32	125.41	-90.00	3,535.78	2,771.33	4,616.93	4,430.43	186.50	24.756		
14,700.00	6,227.00	6,257.00	6,257.00	152.97	125.41	-90.00	3,535.78	2,771.33	4,716.78	4,530.21	186.57	25.281		
14,800.00	6,227.00	6,257.00	6,257.00	154.62	125.41	-90.00	3,535.78	2,771.33	4,816.63	4,629.99	186.64	25.807		
14,900.00	6,227.00	6,257.00	6,257.00	156.28	125.41	-90.00	3,535.78	2,771.33	4,916.50	4,729.78	186.71	26.332		
15,000.00	6,227.00	6,257.00	6,257.00	157.94	125.41	-90.00	3,535.78	2,771.33	5,016.36	4,829.58	186.78	26.857		
15,100.00	6,227.00	6,257.00	6,257.00	159.60	125.41	-90.00	3,535.78	2,771.33	5,116.24	4,929.39	186.85	27.381		
15,200.00	6,227.00	6,257.00	6,257.00	161.27	125.41	-90.00	3,535.78	2,771.33	5,216.11	5,029.20	186.92	27.906		
15,300.00	6,227.00	6,257.00	6,257.00	162.94	125.41	-90.00	3,535.78	2,771.33	5,316.00	5,129.01	186.98	28.430		
15,400.00	6,227.00	6,257.00	6,257.00	164.61	125.41	-90.00	3,535.78	2,771.33	5,415.88	5,228.83	187.05	28.954		
15,500.00	6,227.00	6,257.00	6,257.00	166.28	125.41	-90.00	3,535.78	2,771.33	5,515.77	5,328.66	187.11	29.478		
15,600.00	6,227.00	6,257.00	6,257.00	167.95	125.41	-90.00	3,535.78	2,771.33	5,615.67	5,428.49	187.18	30.002		
15,700.00	6,227.00	6,257.00	6,257.00	169.63	125.41	-90.00	3,535.78	2,771.33	5,715.57	5,528.33	187.24	30.526		
15,800.00	6,227.00	6,257.00	6,257.00	171.31	125.41	-90.00	3,535.78	2,771.33	5,815.47	5,628.17	187.30	31.049		
15,900.00	6,227.00	6,257.00	6,257.00	172.99	125.41	-90.00	3,535.78	2,771.33	5,915.37	5,728.01	187.36	31.572		
16,000.00	6,227.00	6,257.00	6,257.00	174.68	125.41	-90.00	3,535.78	2,771.33	6,015.28	5,827.86	187.42	32.095		
16,100.00	6,227.00	6,257.00	6,257.00	176.36	125.41	-90.00	3,535.78	2,771.33	6,115.19	5,927.71	187.48	32.618		
16,200.00	6,227.00	6,257.00	6,257.00	178.05	125.41	-90.00	3,535.78	2,771.33	6,215.11	6,027.57	187.54	33.140		
16,300.00	6,227.00	6,257.00	6,257.00	179.74	125.41	-90.00	3,535.78	2,771.33	6,315.03	6,127.43	187.60	33.663		
16,400.00	6,227.00	6,257.00	6,257.00	181.43	125.41	-90.00	3,535.78	2,771.33	6,414.94	6,227.29	187.66	34.185		
16,500.00	6,227.00	6,257.00	6,257.00	183.13	125.41	-90.00	3,535.78	2,771.33	6,514.87	6,327.15	187.71	34.706		
16,600.00	6,227.00	6,257.00	6,257.00	184.82	125.41	-90.00	3,535.78	2,771.33	6,614.79	6,427.02	187.77	35.228		
16,700.00	6,227.00	6,257.00	6,257.00	186.52	125.41	-90.00	3,535.78	2,771.33	6,714.72	6,526.89	187.83	35.749		
16,800.00	6,227.00	6,257.00	6,257.00	188.22	125.41	-90.00	3,535.78	2,771.33	6,814.65	6,626.76	187.88	36.270		
16,900.00	6,227.00	6,257.00	6,257.00	189.92	125.41	-90.00	3,535.78	2,771.33	6,914.58	6,726.64	187.94	36.791		
17,000.81	6,227.00	6,257.00	6,257.00	191.63	125.41	-90.00	3,535.78	2,771.33	7,015.32	6,827.32	188.00	37.316		



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	9.29	9.29	0.00	0.02	10.31	4,732.76	860.95	4,810.43				
100.00	100.00	112.49	112.49	0.27	0.20	10.31	4,732.73	860.87	4,810.39	4,809.92	0.47	N/A	
200.00	200.00	215.68	215.68	0.63	0.38	10.31	4,732.66	860.64	4,810.29	4,809.28	1.01	4,777.426	
300.00	300.00	318.88	318.88	0.99	0.56	10.30	4,732.55	860.28	4,810.11	4,808.57	1.55	3,109.422	
400.00	399.98	422.04	422.04	1.34	0.74	-73.11	4,732.39	859.78	4,809.37	4,807.29	2.08	2,311.264	
500.00	499.84	525.05	525.05	1.69	0.92	-73.22	4,732.19	859.14	4,807.54	4,804.93	2.62	1,837.704	
600.00	599.45	627.76	627.75	2.06	1.11	-73.38	4,731.94	858.36	4,804.66	4,801.50	3.16	1,518.997	
700.00	698.70	730.03	730.01	2.44	1.29	-73.61	4,731.65	857.45	4,800.74	4,797.01	3.73	1,288.465	
800.00	797.47	831.71	831.70	2.85	1.47	-73.90	4,731.32	856.40	4,795.81	4,791.50	4.31	1,112.722	
900.00	895.62	927.39	927.37	3.29	1.82	-74.24	4,731.06	855.27	4,790.01	4,784.91	5.10	938.771	
1,000.00	993.06	1,042.24	1,042.20	3.76	2.24	-74.69	4,730.53	853.41	4,783.09	4,777.11	5.98	799.544	
1,100.00	1,089.64	1,137.06	1,137.00	4.27	2.58	-75.15	4,730.07	851.43	4,775.30	4,768.47	6.83	699.106	
1,200.00	1,185.27	1,233.39	1,233.30	4.83	2.93	-75.66	4,729.63	849.16	4,766.78	4,759.05	7.73	616.637	
1,300.00	1,279.82	1,323.96	1,323.83	5.45	3.25	-76.21	4,729.22	846.90	4,757.59	4,748.93	8.66	549.336	
1,400.00	1,373.17	1,410.29	1,410.15	6.12	3.57	-76.79	4,728.96	844.88	4,748.00	4,738.36	9.63	492.938	
1,500.00	1,465.21	1,500.39	1,500.22	6.85	3.89	-77.42	4,728.67	842.88	4,737.92	4,727.24	10.68	443.720	
1,600.00	1,555.84	1,580.33	1,580.14	7.65	4.18	-78.05	4,728.55	841.05	4,727.60	4,715.85	11.75	402.268	
1,700.00	1,644.94	1,669.65	1,669.45	8.51	4.50	-78.76	4,728.46	839.21	4,717.04	4,704.11	12.93	364.831	
1,800.00	1,732.39	1,747.38	1,747.16	9.45	4.78	-79.44	4,728.43	837.80	4,706.36	4,692.23	14.14	332.905	
1,827.18	1,755.86	1,766.54	1,766.31	9.72	4.85	-79.62	4,728.45	837.47	4,703.47	4,689.00	14.47	325.040	
1,900.00	1,818.58	1,815.24	1,815.01	10.44	5.02	-79.92	4,728.57	836.73	4,695.98	4,680.61	15.37	305.569	
2,000.00	1,904.71	1,892.57	1,892.33	11.46	5.30	-80.41	4,728.98	835.77	4,686.41	4,669.76	16.66	281.376	
2,100.00	1,990.83	1,984.04	1,983.79	12.49	5.62	-80.99	4,729.46	834.33	4,677.40	4,659.39	18.01	259.728	
2,200.00	2,076.96	2,115.38	2,115.11	13.53	6.10	-81.82	4,729.59	832.16	4,668.64	4,649.12	19.52	239.215	
2,300.00	2,163.08	2,219.45	2,219.17	14.57	6.47	-82.49	4,728.74	830.51	4,659.58	4,638.64	20.94	222.551	
2,400.00	2,249.21	2,292.52	2,292.23	15.62	6.73	-82.95	4,728.12	829.44	4,651.10	4,628.84	22.26	208.969	
2,500.00	2,335.33	2,369.14	2,368.84	16.68	7.01	-83.44	4,727.68	828.50	4,643.42	4,619.82	23.60	196.783	
2,600.00	2,421.45	2,455.88	2,455.58	17.74	7.32	-83.99	4,727.26	827.62	4,636.38	4,611.41	24.98	185.629	
2,700.00	2,507.58	2,544.96	2,544.65	18.81	7.64	-84.56	4,726.72	826.60	4,629.81	4,603.44	26.37	175.577	
2,800.00	2,593.70	2,623.74	2,623.42	19.87	7.92	-85.06	4,726.29	825.77	4,623.87	4,596.14	27.73	166.751	
2,900.00	2,679.83	2,697.03	2,696.70	20.94	8.18	-85.53	4,726.05	824.90	4,618.68	4,589.60	29.07	158.865	
3,000.00	2,765.95	2,780.28	2,779.94	22.01	8.48	-86.07	4,725.91	823.77	4,614.22	4,583.76	30.45	151.514	
3,100.00	2,852.08	9,857.00	6,381.34	23.09	91.54	-72.95	1,842.99	3,442.63	4,598.33	4,526.75	71.59	64.235	
3,200.00	2,938.20	9,857.00	6,381.34	24.16	91.54	-72.95	1,842.99	3,442.63	4,503.92	4,431.53	72.39	62.217	
3,300.00	3,024.32	9,870.14	6,381.31	25.24	91.83	-72.61	1,832.37	3,450.37	4,409.67	4,336.31	73.36	60.113	
3,400.00	3,110.45	9,876.21	6,381.30	26.32	91.96	-72.45	1,827.50	3,453.98	4,315.67	4,241.38	74.29	58.094	
3,500.00	3,196.57	9,889.00	6,381.29	27.40	92.25	-72.12	1,817.31	3,461.72	4,221.92	4,146.61	75.32	56.056	
3,600.00	3,282.70	9,889.00	6,381.29	28.48	92.25	-72.12	1,817.31	3,461.72	4,128.39	4,052.13	76.26	54.135	
3,700.00	3,368.82	9,889.00	6,381.29	29.56	92.25	-72.12	1,817.31	3,461.72	4,035.17	3,957.93	77.25	52.237	
3,800.00	3,454.95	9,903.77	6,381.25	30.64	92.58	-71.72	1,805.68	3,470.83	3,942.19	3,863.78	78.41	50.275	
3,900.00	3,541.07	9,921.00	6,381.17	31.72	92.97	-71.24	1,792.31	3,481.70	3,849.57	3,769.93	79.64	48.334	
4,000.00	3,627.19	9,921.00	6,381.17	32.80	92.97	-71.24	1,792.31	3,481.70	3,757.19	3,676.43	80.76	46.523	
4,100.00	3,713.32	9,921.00	6,381.17	33.89	92.97	-71.24	1,792.31	3,481.70	3,665.21	3,583.29	81.93	44.738	
4,200.00	3,799.44	9,937.85	6,381.04	34.97	93.35	-70.76	1,779.42	3,492.54	3,573.55	3,490.25	83.30	42.900	
4,300.00	3,885.57	9,953.00	6,380.89	36.05	93.70	-70.31	1,767.97	3,502.47	3,482.30	3,397.59	84.71	41.108	
4,400.00	3,971.69	9,960.11	6,380.81	37.14	93.87	-70.10	1,762.64	3,507.17	3,391.44	3,305.34	86.11	39.387	
4,500.00	4,057.82	9,976.52	6,380.55	38.22	94.25	-69.61	1,750.42	3,518.12	3,300.99	3,213.34	87.65	37.662	
4,600.00	4,143.94	9,985.00	6,380.39	39.31	94.44	-69.34	1,744.14	3,523.82	3,210.98	3,121.80	89.18	36.006	
4,700.00	4,230.06	10,000.87	6,380.04	40.39	94.81	-68.85	1,732.50	3,534.60	3,121.46	3,030.61	90.85	34.358	
4,800.00	4,316.19	10,017.00	6,379.63	41.48	95.19	-68.33	1,720.83	3,545.73	3,032.51	2,939.91	92.60	32.750	
4,900.00	4,402.31	10,017.00	6,379.63	42.57	95.19	-68.33	1,720.83	3,545.73	2,944.15	2,849.89	94.27	31.232	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 SI 70 RANCH USX BB 25-99HZ - OWB - FINAL SURVEY												Offset Well Error:	0.00 usft
Survey Program: 823-MWD OWSG													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,488.44	10,030.10	6,379.29	43.65	95.50	-67.90	1,711.48	3,554.90	2,856.46	2,760.32	96.14	29.710	
5,100.00	4,574.56	10,049.00	6,378.81	44.74	95.95	-67.27	1,698.21	3,568.34	2,769.59	2,671.43	98.17	28.214	
5,200.00	4,660.69	10,049.00	6,378.81	45.83	95.95	-67.27	1,698.21	3,568.34	2,683.41	2,583.32	100.09	26.809	
5,300.00	4,746.81	10,049.00	6,378.81	46.91	95.95	-67.27	1,698.21	3,568.34	2,598.22	2,496.10	102.11	25.444	
5,400.00	4,832.93	10,064.58	6,378.48	48.00	96.32	-66.74	1,687.46	3,579.62	2,513.94	2,409.55	104.39	24.082	
5,500.00	4,919.06	10,081.00	6,378.26	49.09	96.71	-66.18	1,676.32	3,591.68	2,430.83	2,324.05	106.78	22.765	
5,600.00	5,005.18	10,081.00	6,378.26	50.17	96.71	-66.18	1,676.32	3,591.68	2,348.83	2,239.72	109.11	21.527	
5,700.00	5,091.31	10,095.69	6,378.17	51.26	97.06	-65.67	1,666.48	3,602.58	2,268.15	2,156.45	111.70	20.306	
5,800.00	5,177.43	10,113.00	6,378.19	52.35	97.47	-65.06	1,654.99	3,615.53	2,188.87	2,074.45	114.42	19.130	
5,900.00	5,263.56	10,127.19	6,378.28	53.44	97.82	-64.55	1,645.64	3,626.21	2,111.09	1,993.86	117.23	18.008	
6,000.00	5,349.68	10,148.50	6,378.46	54.53	98.33	-63.79	1,631.70	3,642.32	2,034.92	1,914.70	120.22	16.927	
6,100.00	5,435.80	10,182.55	6,378.79	55.61	99.15	-62.55	1,609.52	3,668.15	1,960.41	1,836.96	123.45	15.880	
6,200.00	5,521.93	10,223.54	6,379.15	56.70	100.13	-61.02	1,582.75	3,699.19	1,887.50	1,760.66	126.84	14.880	
6,300.00	5,608.05	10,261.58	6,379.32	57.79	101.05	-59.56	1,557.92	3,728.01	1,816.46	1,686.16	130.30	13.941	
6,400.00	5,694.18	10,301.88	6,379.23	58.88	102.02	-57.98	1,531.61	3,758.54	1,747.47	1,613.61	133.86	13.055	
6,479.32	5,762.49	10,319.08	6,379.15	59.74	102.44	-57.30	1,520.41	3,771.59	1,694.48	1,557.90	136.58	12.406	
6,500.00	5,780.28	10,323.24	6,379.15	59.97	102.54	-52.83	1,517.71	3,774.75	1,680.71	1,543.43	137.28	12.243	
6,550.00	5,822.98	10,335.00	6,379.16	60.51	102.82	-41.96	1,510.10	3,783.72	1,645.94	1,507.04	138.90	11.850	
6,600.00	5,865.00	10,340.17	6,379.18	61.05	102.94	-31.58	1,506.76	3,787.66	1,609.22	1,468.90	140.32	11.468	
6,650.00	5,906.01	10,346.54	6,379.22	61.57	103.10	-21.37	1,502.65	3,792.53	1,570.74	1,429.14	141.60	11.093	
6,700.00	5,945.70	10,350.65	6,379.24	62.08	103.20	-11.39	1,500.00	3,795.68	1,530.71	1,388.01	142.70	10.727	
6,750.00	5,983.77	10,352.39	6,379.25	62.56	103.24	-1.49	1,498.88	3,797.01	1,489.36	1,345.73	143.63	10.370	
6,800.00	6,019.92	10,351.67	6,379.25	63.02	103.22	8.51	1,499.34	3,796.46	1,446.90	1,302.53	144.36	10.023	
6,850.00	6,053.90	10,348.42	6,379.23	63.45	103.14	18.75	1,501.44	3,793.97	1,403.56	1,258.65	144.91	9.685	
6,900.00	6,085.42	10,342.57	6,379.19	63.86	103.00	29.26	1,505.21	3,789.50	1,359.60	1,214.32	145.27	9.359	
6,950.00	6,114.26	10,335.00	6,379.16	64.23	102.82	40.00	1,510.10	3,783.72	1,315.24	1,169.79	145.45	9.043	
7,000.00	6,140.20	10,324.53	6,379.15	64.58	102.57	50.63	1,516.87	3,775.74	1,270.76	1,125.32	145.44	8.737	
7,050.00	6,163.03	10,312.49	6,379.17	64.89	102.28	60.89	1,524.70	3,766.58	1,226.42	1,081.17	145.25	8.444	
7,100.00	6,182.59	10,295.28	6,379.26	65.17	101.86	70.27	1,535.92	3,753.54	1,182.48	1,037.61	144.87	8.163	
7,150.00	6,198.73	10,271.18	6,379.33	65.42	101.28	78.60	1,551.66	3,735.28	1,139.12	994.81	144.32	7.893	
7,200.00	6,211.32	10,244.60	6,379.27	65.65	100.64	86.05	1,569.00	3,715.15	1,096.58	952.97	143.61	7.636	
7,250.00	6,220.26	10,217.74	6,379.10	65.84	99.99	92.62	1,586.54	3,694.80	1,055.14	912.37	142.76	7.391	
7,300.00	6,225.50	10,185.42	6,378.82	66.01	99.22	98.33	1,607.65	3,670.32	1,015.08	873.31	141.78	7.160	
7,344.70	6,227.00	10,157.01	6,378.55	66.14	98.53	102.77	1,626.15	3,648.78	980.63	839.87	140.76	6.966	
7,400.00	6,227.00	10,127.62	6,378.28	66.29	97.83	103.20	1,645.36	3,626.53	939.08	799.68	139.40	6.737	
7,500.00	6,227.00	10,081.00	6,378.26	66.58	96.71	103.98	1,676.32	3,591.68	865.02	728.27	136.75	6.326	
7,600.00	6,227.00	10,049.00	6,378.81	66.90	95.95	104.60	1,698.21	3,568.34	793.25	659.67	133.58	5.938	
7,700.00	6,227.00	10,004.29	6,379.96	67.24	94.89	105.57	1,730.02	3,536.95	724.45	594.26	130.19	5.564	
7,800.00	6,227.00	9,953.00	6,380.89	67.61	93.70	106.73	1,767.97	3,502.47	658.67	532.06	126.61	5.202	
7,900.00	6,227.00	9,904.65	6,381.25	68.00	92.60	107.86	1,804.99	3,471.38	595.98	473.48	122.50	4.865	
8,000.00	6,227.00	9,857.00	6,381.34	68.43	91.54	109.01	1,842.99	3,442.63	537.53	419.69	117.84	4.561	
8,100.00	6,227.00	9,789.00	6,380.06	68.88	90.07	110.58	1,899.31	3,404.58	483.14	369.19	113.95	4.240	
8,200.00	6,227.00	9,714.06	6,374.98	69.36	88.50	111.98	1,963.05	3,365.51	431.36	320.80	110.56	3.902	
8,300.00	6,227.00	9,639.88	6,366.01	69.88	87.01	112.87	2,027.35	3,329.67	381.68	274.31	107.37	3.555	
8,400.00	6,227.00	9,568.21	6,354.99	70.43	85.65	113.24	2,090.99	3,298.64	335.53	231.24	104.29	3.217	
8,500.00	6,227.00	9,491.86	6,344.77	71.00	84.25	113.79	2,160.41	3,268.58	293.74	192.16	101.59	2.892	
8,600.00	6,227.00	9,417.26	6,341.28	71.62	82.91	115.76	2,229.33	3,240.28	256.85	159.04	97.82	2.626	
8,700.00	6,227.00	9,312.54	6,340.82	72.26	81.02	120.58	2,325.88	3,199.78	221.64	127.77	93.88	2.361	
8,800.00	6,227.00	9,217.18	6,340.57	72.94	79.24	127.49	2,412.09	3,159.04	184.70	97.34	87.37	2.114	
8,900.00	6,227.00	9,123.10	6,340.42	73.66	77.42	138.39	2,495.61	3,115.75	148.74	71.54	77.20	1.927	
9,000.00	6,227.00	9,033.25	6,340.52	74.41	75.63	155.54	2,573.42	3,070.83	118.39	55.93	62.46	1.895	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,100.00	6,227.00	8,948.28	6,340.91	75.19	73.89	178.85	2,645.37	3,025.64	104.93	49.95	54.98	1.909	CC
9,104.45	6,227.00	8,944.57	6,340.93	75.23	73.81	179.95	2,648.49	3,023.62	104.93	49.46	55.47	1.892	
9,200.00	6,227.00	8,867.91	6,341.45	76.01	72.19	-157.57	2,711.67	2,980.23	118.82	38.80	80.02	1.485	Level 3, ES, SF
9,300.00	6,227.00	8,795.00	6,341.96	76.86	70.59	-140.03	2,768.95	2,935.14	157.83	58.98	98.85	1.597	
9,400.00	6,227.00	8,727.75	6,342.27	77.75	69.09	-128.47	2,819.10	2,890.36	212.35	106.60	105.76	2.008	
9,500.00	6,227.00	8,659.54	6,341.93	78.67	67.53	-120.32	2,868.38	2,843.20	274.50	166.91	107.59	2.551	
9,600.00	6,227.00	8,589.26	6,340.46	79.63	65.91	-114.35	2,918.27	2,793.72	340.32	232.81	107.51	3.165	
9,700.00	6,227.00	8,518.96	6,337.67	80.62	64.30	-109.91	2,967.87	2,743.98	407.82	301.11	106.71	3.822	
9,800.00	6,227.00	8,448.49	6,334.81	81.64	62.69	-106.63	3,017.55	2,694.08	476.42	370.81	105.60	4.511	
9,900.00	6,227.00	8,373.24	6,332.66	82.69	60.97	-104.14	3,071.02	2,641.18	545.30	440.99	104.31	5.228	
10,000.00	6,227.00	8,308.28	6,331.67	83.77	59.50	-102.56	3,117.34	2,595.66	614.49	511.28	103.21	5.954	
10,100.00	6,227.00	8,244.58	6,330.95	84.88	58.06	-101.31	3,162.20	2,550.43	684.84	582.73	102.11	6.707	
10,200.00	6,227.00	8,175.10	6,330.62	86.02	56.48	-100.22	3,210.96	2,500.95	755.64	654.69	100.95	7.485	
10,300.00	6,227.00	8,109.19	6,330.71	87.19	55.00	-99.41	3,257.15	2,453.92	826.73	726.86	99.86	8.278	
10,400.00	6,227.00	8,041.60	6,331.02	88.38	53.48	-98.71	3,304.30	2,405.49	898.22	799.43	98.79	9.092	
10,500.00	6,227.00	7,970.33	6,331.19	89.60	51.89	-98.07	3,354.03	2,354.45	969.73	872.01	97.72	9.923	
10,600.00	6,227.00	7,897.93	6,331.23	90.84	50.29	-97.50	3,404.66	2,302.70	1,041.13	944.43	96.69	10.767	
10,700.00	6,227.00	7,837.11	6,331.46	92.11	48.95	-97.09	3,447.16	2,259.19	1,112.67	1,016.90	95.77	11.618	
10,800.00	6,227.00	7,779.14	6,332.45	93.39	47.67	-96.80	3,487.24	2,217.32	1,184.98	1,090.09	94.89	12.488	
10,900.00	6,227.00	7,703.09	6,334.02	94.70	46.01	-96.47	3,539.78	2,162.35	1,257.39	1,163.43	93.96	13.382	
11,000.00	6,227.00	7,635.00	6,335.17	96.03	44.54	-96.20	3,586.96	2,113.28	1,329.59	1,236.48	93.11	14.280	
11,100.00	6,227.00	7,569.55	6,335.96	97.37	43.14	-95.94	3,632.21	2,066.00	1,401.95	1,309.66	92.29	15.190	
11,200.00	6,227.00	7,505.43	6,336.30	98.74	41.78	-95.68	3,676.38	2,019.51	1,474.53	1,383.03	91.50	16.115	
11,300.00	6,227.00	7,441.89	6,336.41	100.12	40.45	-95.44	3,720.00	1,973.30	1,547.34	1,456.59	90.75	17.051	
11,400.00	6,227.00	7,384.49	6,336.56	101.51	39.25	-95.24	3,759.24	1,931.42	1,620.43	1,530.41	90.02	18.001	
11,500.00	6,227.00	7,336.67	6,336.48	102.92	38.27	-95.08	3,791.56	1,896.17	1,694.23	1,604.91	89.32	18.969	
11,600.00	6,227.00	7,284.98	6,336.20	104.35	37.21	-94.90	3,826.05	1,857.67	1,768.78	1,680.15	88.63	19.956	
11,700.00	6,227.00	7,226.57	6,336.46	105.79	36.03	-94.73	3,864.81	1,813.99	1,843.71	1,755.73	87.98	20.956	
11,800.00	6,227.00	7,153.35	6,337.42	107.24	34.58	-94.57	3,913.38	1,759.19	1,918.72	1,831.33	87.39	21.955	
11,900.00	6,227.00	7,061.00	6,338.58	108.71	32.81	-94.39	3,975.18	1,690.59	1,993.23	1,906.30	86.93	22.929	
12,000.00	6,227.00	6,991.06	6,339.32	110.19	31.51	-94.25	4,022.58	1,639.16	2,066.93	1,980.46	86.47	23.903	
12,100.00	6,227.00	6,943.10	6,338.51	111.68	30.64	-94.12	4,054.78	1,603.63	2,141.11	2,055.17	85.95	24.912	
12,200.00	6,227.00	6,903.02	6,336.83	113.18	29.93	-93.96	4,081.35	1,573.67	2,215.97	2,130.56	85.41	25.946	
12,300.00	6,227.00	6,867.98	6,334.73	114.68	29.32	-93.81	4,104.19	1,547.18	2,291.71	2,206.83	84.87	27.002	
12,400.00	6,227.00	6,765.64	6,326.13	116.20	27.60	-93.31	4,170.31	1,469.56	2,367.99	2,283.31	84.68	27.962	
12,500.00	6,227.00	6,712.00	6,320.12	117.73	26.75	-93.01	4,205.35	1,429.39	2,443.27	2,358.96	84.31	28.978	
12,600.00	6,227.00	6,648.00	6,310.31	119.27	25.78	-92.58	4,246.51	1,381.40	2,519.04	2,435.00	84.04	29.973	
12,700.00	6,227.00	6,614.20	6,303.19	120.81	25.30	-92.30	4,267.91	1,356.22	2,595.04	2,511.44	83.59	31.044	
12,800.00	6,227.00	6,535.87	6,283.02	122.37	24.24	-91.56	4,316.66	1,298.36	2,671.35	2,587.88	83.47	32.002	
12,900.00	6,227.00	6,490.00	6,267.28	123.93	23.67	-91.02	4,344.40	1,265.41	2,747.74	2,664.60	83.14	33.050	
13,000.00	6,227.00	6,467.97	6,258.51	125.49	23.41	-90.72	4,357.23	1,249.79	2,824.93	2,742.27	82.66	34.176	
13,100.00	6,227.00	6,432.53	6,243.04	127.07	23.02	-90.22	4,377.17	1,224.92	2,902.97	2,820.68	82.28	35.280	
13,200.00	6,227.00	6,394.00	6,224.04	128.65	22.60	-89.63	4,397.99	1,198.66	2,981.58	2,899.65	81.93	36.394	
13,300.00	6,227.00	6,331.00	6,190.33	130.24	22.00	-88.60	4,430.94	1,156.87	3,060.68	2,978.94	81.73	37.447	
13,400.00	6,227.00	6,273.57	6,157.62	131.83	21.50	-87.65	4,460.31	1,119.92	3,139.98	3,058.44	81.54	38.507	
13,500.00	6,227.00	6,236.00	6,135.20	133.43	21.20	-87.02	4,479.11	1,096.36	3,219.61	3,138.36	81.25	39.626	
13,600.00	6,227.00	6,223.78	6,127.74	135.03	21.11	-86.81	4,485.07	1,088.74	3,299.98	3,219.15	80.83	40.828	
13,700.00	6,227.00	6,204.00	6,115.45	136.64	20.96	-86.47	4,494.45	1,076.39	3,381.21	3,300.74	80.47	42.019	
13,800.00	6,227.00	6,013.00	5,981.12	138.25	19.83	-82.94	4,580.63	972.26	3,461.26	3,380.20	81.06	42.700	
13,900.00	6,227.00	5,993.57	5,965.71	139.87	19.74	-82.55	4,588.61	963.54	3,541.64	3,460.96	80.68	43.900	
14,000.00	6,227.00	5,981.00	5,955.54	141.50	19.68	-82.29	4,593.51	958.01	3,622.91	3,542.63	80.28	45.128	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 BB 25-99HZ - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 823-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	5,968.53	5,945.30	143.12	19.63	-82.04	4,598.20	952.66	3,704.97	3,625.06	79.91	46.367	
14,200.00	6,227.00	5,950.00	5,929.80	144.76	19.55	-81.65	4,604.85	944.99	3,787.75	3,708.19	79.56	47.606	
14,300.00	6,227.00	5,950.00	5,929.80	146.39	19.55	-81.65	4,604.85	944.99	3,871.24	3,792.05	79.19	48.884	
14,400.00	6,227.00	5,935.94	5,917.83	148.03	19.49	-81.35	4,609.63	939.37	3,955.39	3,876.51	78.88	50.147	
14,500.00	6,227.00	5,918.00	5,902.32	149.67	19.41	-80.96	4,615.35	932.40	4,040.27	3,961.69	78.58	51.417	
14,600.00	6,227.00	5,918.00	5,902.32	151.32	19.41	-80.96	4,615.35	932.40	4,125.67	4,047.40	78.27	52.711	
14,700.00	6,227.00	5,918.00	5,902.32	152.97	19.41	-80.96	4,615.35	932.40	4,211.71	4,133.73	77.98	54.010	
14,800.00	6,227.00	5,900.40	5,886.84	154.62	19.34	-80.58	4,620.58	925.87	4,298.26	4,220.53	77.73	55.300	
14,900.00	6,227.00	5,886.00	5,873.97	156.28	19.28	-80.26	4,624.62	920.81	4,385.32	4,307.84	77.48	56.600	
15,000.00	6,227.00	5,886.00	5,873.97	157.94	19.28	-80.26	4,624.62	920.81	4,472.87	4,395.63	77.24	57.909	
15,100.00	6,227.00	5,869.11	5,858.70	159.60	19.22	-79.89	4,629.10	915.17	4,560.84	4,483.83	77.02	59.219	
15,200.00	6,227.00	5,854.00	5,844.88	161.27	19.16	-79.55	4,632.90	910.37	4,649.27	4,572.47	76.80	60.537	
15,300.00	6,227.00	5,854.00	5,844.88	162.94	19.16	-79.55	4,632.90	910.37	4,738.10	4,661.50	76.60	61.853	
15,400.00	6,227.00	5,842.89	5,834.64	164.61	19.12	-79.30	4,635.56	906.99	4,827.32	4,750.91	76.41	63.176	
15,500.00	6,227.00	5,835.40	5,827.69	166.28	19.09	-79.13	4,637.29	904.77	4,916.93	4,840.70	76.23	64.500	
15,600.00	6,227.00	5,823.00	5,816.14	167.95	19.04	-78.84	4,640.05	901.23	5,006.90	4,930.85	76.06	65.832	
15,700.00	6,227.00	5,823.00	5,816.14	169.63	19.04	-78.84	4,640.05	901.23	5,097.21	5,021.30	75.90	67.153	
15,800.00	6,227.00	5,823.00	5,816.14	171.31	19.04	-78.84	4,640.05	901.23	5,187.86	5,112.10	75.76	68.475	
15,900.00	6,227.00	5,809.52	5,803.48	172.99	18.99	-78.54	4,642.88	897.56	5,278.80	5,203.19	75.61	69.813	
16,000.00	6,227.00	5,803.91	5,798.19	174.68	18.97	-78.41	4,644.01	896.09	5,370.05	5,294.57	75.48	71.144	
16,100.00	6,227.00	5,791.00	5,785.95	176.36	18.92	-78.11	4,646.49	892.82	5,461.61	5,386.27	75.34	72.488	
16,200.00	6,227.00	5,791.00	5,785.95	178.05	18.92	-78.11	4,646.49	892.82	5,553.41	5,478.17	75.24	73.811	
16,300.00	6,227.00	5,791.00	5,785.95	179.74	18.92	-78.11	4,646.49	892.82	5,645.48	5,570.34	75.14	75.133	
16,400.00	6,227.00	5,791.00	5,785.95	181.43	18.92	-78.11	4,646.49	892.82	5,737.82	5,662.78	75.05	76.455	
16,500.00	6,227.00	5,776.78	5,772.37	183.13	18.87	-77.78	4,649.05	889.44	5,830.36	5,755.43	74.94	77.805	
16,600.00	6,227.00	5,771.57	5,767.38	184.82	18.85	-77.66	4,649.95	888.26	5,923.15	5,848.30	74.85	79.138	
16,700.00	6,227.00	5,759.00	5,755.28	186.52	18.81	-77.37	4,652.01	885.57	6,016.16	5,941.42	74.74	80.489	
16,800.00	6,227.00	5,759.00	5,755.28	188.22	18.81	-77.37	4,652.01	885.57	6,109.36	6,034.68	74.68	81.809	
16,900.00	6,227.00	5,759.00	5,755.28	189.92	18.81	-77.37	4,652.01	885.57	6,202.77	6,128.15	74.62	83.127	
17,000.81	6,227.00	5,759.00	5,755.28	191.63	18.81	-77.37	4,652.01	885.57	6,297.13	6,222.57	74.56	84.454	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 SI 70 RANCH USX BB25-68HN - OWB - FINAL SURVEY												Offset Well Error:	0.00 usft
Survey Program: 591-MWD OWSG													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	19.00	19.00	0.00	0.03	-1.24	5,069.37	-109.78	5,070.56				
100.00	100.00	119.00	119.00	0.27	0.20	-1.24	5,069.37	-109.78	5,070.56	5,070.08	0.47	N/A	
200.00	200.00	219.00	219.00	0.63	0.38	-1.24	5,069.37	-109.78	5,070.56	5,069.55	1.00	5,050.798	
300.00	300.00	319.00	319.00	0.99	0.55	-1.24	5,069.37	-109.78	5,070.56	5,069.02	1.53	3,304.713	
400.00	399.98	418.98	418.98	1.34	0.72	-84.64	5,069.37	-109.78	5,070.39	5,068.33	2.06	2,463.161	
500.00	499.84	518.84	518.84	1.69	0.89	-84.71	5,069.37	-109.78	5,069.91	5,067.32	2.58	1,962.187	
600.00	599.45	599.95	599.95	2.06	1.05	-84.80	5,069.38	-109.77	5,069.16	5,066.05	3.11	1,631.968	
700.00	698.70	673.40	673.39	2.44	1.31	-84.91	5,069.97	-109.52	5,068.81	5,065.05	3.75	1,350.963	
800.00	797.47	764.81	764.80	2.85	1.64	-85.08	5,070.84	-109.40	5,068.38	5,063.90	4.49	1,130.004	
900.00	895.62	855.59	855.57	3.29	1.96	-85.28	5,071.83	-109.50	5,067.86	5,062.62	5.25	966.069	
1,000.00	993.06	945.60	945.58	3.76	2.28	-85.53	5,072.93	-109.82	5,067.28	5,061.24	6.04	839.035	
1,100.00	1,089.64	1,048.63	1,048.60	4.27	2.65	-85.84	5,074.24	-110.31	5,066.60	5,059.68	6.92	732.079	
1,200.00	1,185.27	1,157.84	1,157.81	4.83	3.04	-86.23	5,075.38	-110.58	5,065.59	5,057.72	7.87	643.543	
1,300.00	1,279.82	1,265.98	1,265.95	5.45	3.42	-86.65	5,076.23	-110.58	5,064.28	5,055.41	8.87	570.908	
1,400.00	1,373.17	1,372.94	1,372.90	6.12	3.81	-87.11	5,076.80	-110.32	5,062.74	5,052.82	9.92	510.220	
1,500.00	1,465.21	1,441.94	1,441.90	6.85	4.05	-87.44	5,077.30	-110.16	5,061.46	5,050.56	10.90	464.281	
1,600.00	1,555.84	1,516.02	1,515.98	7.65	4.32	-87.81	5,078.05	-110.05	5,060.63	5,048.67	11.96	422.995	
1,699.63	1,644.61	1,588.55	1,588.49	8.51	4.58	-88.19	5,079.01	-110.02	5,060.34	5,047.26	13.09	386.716	
1,700.00	1,644.94	1,588.81	1,588.76	8.51	4.58	-88.19	5,079.02	-110.02	5,060.34	5,047.25	13.09	386.595	
1,800.00	1,732.39	1,671.38	1,671.32	9.45	4.87	-88.64	5,080.35	-110.05	5,060.63	5,046.30	14.32	353.368	
1,827.18	1,755.86	1,699.06	1,699.00	9.72	4.97	-88.79	5,080.78	-110.02	5,060.75	5,046.07	14.69	344.594	
1,900.00	1,818.58	1,773.20	1,773.12	10.44	5.23	-89.21	5,081.84	-109.79	5,061.18	5,045.50	15.68	322.816	
2,000.00	1,904.71	1,875.36	1,875.28	11.46	5.60	-89.79	5,083.06	-109.13	5,061.97	5,044.91	17.06	296.770	
2,100.00	1,990.83	2,071.60	2,071.32	12.49	6.29	-90.85	5,083.54	-101.78	5,061.99	5,043.22	18.77	269.676	
2,200.00	2,076.96	2,435.07	2,432.07	13.53	7.60	-92.53	5,074.83	-59.56	5,059.38	5,038.31	21.07	240.119	
2,300.00	2,163.08	2,490.00	2,486.36	14.57	7.80	-92.77	5,072.30	-51.55	5,054.64	5,032.32	22.32	226.428	
2,400.00	2,249.21	2,555.62	2,551.21	15.62	8.05	-93.06	5,069.70	-41.96	5,050.75	5,027.13	23.62	213.804	
2,500.00	2,335.33	2,644.41	2,638.86	16.68	8.40	-93.43	5,066.98	-28.04	5,047.75	5,022.73	25.02	201.787	
2,600.00	2,421.45	2,714.40	2,707.87	17.74	8.67	-93.72	5,064.79	-16.57	5,044.92	5,018.57	26.34	191.501	
2,700.00	2,507.58	2,776.00	2,768.90	18.81	8.91	-94.00	5,063.24	-8.31	5,043.23	5,015.58	27.64	182.441	
2,773.83	2,571.16	2,776.00	2,768.90	19.59	8.91	-94.00	5,063.24	-8.31	5,042.69	5,014.25	28.43	177.346	
2,800.00	2,593.70	2,776.00	2,768.90	19.87	8.91	-94.00	5,063.24	-8.31	5,042.75	5,014.04	28.71	175.624	
2,900.00	2,679.83	2,821.76	2,814.39	20.94	9.09	-94.22	5,062.62	-3.48	5,043.59	5,013.65	29.95	168.425	
3,000.00	2,765.95	2,871.00	2,863.46	22.01	9.27	-94.46	5,062.79	0.57	5,046.16	5,014.97	31.19	161.798	
3,100.00	2,852.08	2,902.73	2,895.13	23.09	9.39	-94.62	5,063.09	2.57	5,049.87	5,017.51	32.36	156.068	
3,200.00	2,938.20	3,029.73	3,022.06	24.16	9.84	-95.31	5,062.76	6.66	5,053.89	5,020.03	33.86	149.265	
3,300.00	3,024.32	3,104.68	3,096.99	25.24	10.10	-95.73	5,062.06	7.97	5,058.10	5,022.94	35.17	143.834	
3,400.00	3,110.45	3,157.00	3,149.31	26.32	10.28	-96.03	5,061.73	8.49	5,063.24	5,026.85	36.39	139.135	
3,500.00	3,196.57	3,242.04	3,234.34	27.40	10.56	-96.51	5,061.41	8.86	5,069.15	5,031.43	37.72	134.396	
3,600.00	3,282.70	3,317.94	3,310.25	28.48	10.82	-96.95	5,061.19	8.86	5,075.74	5,036.73	39.01	130.112	
3,700.00	3,368.82	3,393.50	3,385.80	29.56	11.07	-97.38	5,061.06	8.54	5,083.00	5,042.70	40.30	126.138	
3,800.00	3,454.95	3,470.81	3,463.11	30.64	11.33	-97.83	5,061.00	7.91	5,090.94	5,049.35	41.58	122.424	
3,900.00	3,541.07	3,551.76	3,544.06	31.72	11.60	-98.29	5,060.99	7.11	5,099.49	5,056.61	42.88	118.930	
4,000.00	3,627.19	3,632.60	3,624.90	32.80	11.86	-98.76	5,061.02	6.20	5,108.62	5,064.46	44.17	115.668	
4,100.00	3,713.32	3,713.33	3,705.61	33.89	12.13	-99.22	5,061.11	5.19	5,118.35	5,072.90	45.45	112.617	
4,200.00	3,799.44	3,801.71	3,793.99	34.97	12.43	-99.73	5,061.25	4.16	5,128.60	5,081.84	46.76	109.676	
4,300.00	3,885.57	3,892.31	3,884.58	36.05	12.74	-100.25	5,061.47	3.55	5,139.29	5,091.21	48.08	106.893	
4,400.00	3,971.69	3,983.45	3,975.73	37.14	13.06	-100.76	5,061.74	3.39	5,150.37	5,100.98	49.39	104.274	
4,500.00	4,057.82	4,068.44	4,060.71	38.22	13.36	-101.23	5,062.06	3.59	5,161.88	5,111.19	50.68	101.844	
4,600.00	4,143.94	4,150.23	4,142.50	39.31	13.64	-101.68	5,062.47	3.88	5,173.92	5,121.96	51.96	99.574	
4,700.00	4,230.06	4,232.11	4,224.38	40.39	13.93	-102.13	5,062.99	4.23	5,186.50	5,133.27	53.23	97.433	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,800.00	4,316.19	4,300.00	4,292.27	41.48	14.17	-102.50	5,063.49	4.58	5,199.63	5,145.19	54.44	95.507	
4,900.00	4,402.31	7,982.96	6,346.84	42.57	56.22	-95.86	5,046.28	1,955.73	5,190.70	5,098.83	91.87	56.503	
5,000.00	4,488.44	7,998.58	6,346.94	43.65	56.61	-95.71	5,046.26	1,971.35	5,153.97	5,060.19	93.78	54.959	
5,100.00	4,574.56	8,037.00	6,347.34	44.74	57.57	-95.32	5,046.66	2,009.76	5,118.94	5,022.73	96.21	53.206	
5,200.00	4,660.69	8,037.00	6,347.34	45.83	57.57	-95.32	5,046.66	2,009.76	5,085.16	4,987.39	97.77	52.013	
5,300.00	4,746.81	8,065.59	6,347.57	46.91	58.29	-95.04	5,047.23	2,038.34	5,053.05	4,953.06	99.98	50.540	
5,400.00	4,832.93	8,113.11	6,347.38	48.00	59.49	-94.55	5,048.39	2,085.85	5,022.27	4,919.63	102.65	48.928	
5,500.00	4,919.06	8,161.45	6,346.59	49.09	60.71	-94.06	5,049.78	2,134.16	4,992.84	4,887.50	105.34	47.398	
5,600.00	5,005.18	8,211.75	6,345.78	50.17	61.99	-93.54	5,051.22	2,184.44	4,964.76	4,856.68	108.08	45.935	
5,700.00	5,091.31	8,227.00	6,345.55	51.26	62.37	-93.38	5,051.65	2,199.68	4,938.16	4,828.18	109.98	44.902	
5,800.00	5,177.43	8,275.11	6,345.12	52.35	63.60	-92.89	5,053.11	2,247.76	4,913.02	4,800.36	112.66	43.608	
5,900.00	5,263.56	8,322.00	6,345.27	53.44	64.79	-92.41	5,054.74	2,294.63	4,889.62	4,774.32	115.31	42.405	
6,000.00	5,349.68	8,442.50	6,343.86	54.53	67.88	-91.16	5,058.10	2,415.06	4,867.16	4,747.39	119.77	40.637	
6,100.00	5,435.80	8,480.45	6,343.09	55.61	68.86	-90.76	5,058.99	2,453.00	4,845.85	4,723.65	122.19	39.657	
6,200.00	5,521.93	8,668.89	6,340.70	56.70	73.73	-88.79	5,060.83	2,641.39	4,825.59	4,697.27	128.32	37.607	
6,300.00	5,608.05	8,771.45	6,339.68	57.79	76.41	-87.72	5,059.39	2,743.94	4,805.40	4,673.09	132.31	36.320	
6,400.00	5,694.18	8,798.00	6,339.34	58.88	77.10	-87.44	5,058.93	2,770.48	4,786.68	4,652.25	134.42	35.609	
6,479.32	5,762.49	8,837.15	6,338.84	59.74	78.12	-87.02	5,058.35	2,809.62	4,772.96	4,636.43	136.53	34.960	
6,500.00	5,780.28	8,843.65	6,338.76	59.97	78.29	-83.52	5,058.27	2,816.12	4,769.20	4,632.22	136.98	34.817	
6,550.00	5,822.98	8,859.27	6,338.58	60.51	78.70	-75.43	5,058.10	2,831.74	4,757.40	4,619.34	138.06	34.459	
6,600.00	5,865.00	8,874.68	6,338.41	61.05	79.10	-68.10	5,057.96	2,847.15	4,741.81	4,602.70	139.11	34.087	
6,650.00	5,906.01	8,893.00	6,338.22	61.57	79.58	-61.64	5,057.83	2,865.47	4,722.53	4,582.34	140.19	33.686	
6,700.00	5,945.70	8,893.00	6,338.22	62.08	79.58	-56.33	5,057.83	2,865.47	4,699.68	4,558.90	140.79	33.381	
6,750.00	5,983.77	8,919.46	6,338.05	62.56	80.28	-51.55	5,057.70	2,891.93	4,673.33	4,531.34	142.00	32.911	
6,800.00	6,019.92	8,933.67	6,338.04	63.02	80.65	-47.69	5,057.65	2,906.13	4,643.69	4,500.84	142.86	32.506	
6,850.00	6,053.90	8,947.24	6,338.09	63.45	81.01	-44.49	5,057.62	2,919.70	4,610.92	4,467.26	143.66	32.097	
6,900.00	6,085.42	8,960.04	6,338.17	63.86	81.34	-41.86	5,057.61	2,932.51	4,575.21	4,430.82	144.39	31.687	
6,950.00	6,114.26	8,971.96	6,338.30	64.23	81.65	-39.74	5,057.61	2,944.42	4,536.77	4,391.72	145.05	31.277	
7,000.00	6,140.20	8,988.00	6,338.53	64.58	82.07	-37.96	5,057.64	2,960.46	4,495.85	4,350.09	145.76	30.843	
7,050.00	6,163.03	9,019.54	6,339.06	64.89	82.90	-36.19	5,057.61	2,992.00	4,452.68	4,305.88	146.80	30.331	
7,100.00	6,182.59	9,073.90	6,340.00	65.17	84.33	-33.95	5,057.16	3,046.35	4,407.46	4,259.12	148.33	29.713	
7,150.00	6,198.73	9,053.42	6,339.65	65.42	83.80	-34.09	5,057.22	3,025.87	4,360.45	4,212.42	148.02	29.458	
7,200.00	6,211.32	9,060.88	6,339.78	65.65	83.99	-33.88	5,057.17	3,033.32	4,312.30	4,163.97	148.34	29.071	
7,250.00	6,220.26	9,066.13	6,339.87	65.84	84.13	-34.62	5,057.14	3,038.58	4,263.19	4,114.64	148.55	28.698	
7,300.00	6,225.50	9,069.14	6,339.92	66.01	84.21	-39.67	5,057.12	3,041.59	4,213.46	4,064.78	148.68	28.340	
7,344.70	6,227.00	9,069.92	6,339.94	66.14	84.23	173.66	5,057.11	3,042.37	4,168.78	4,020.07	148.71	28.033	
7,400.00	6,227.00	9,069.76	6,339.93	66.29	84.23	173.76	5,057.12	3,042.21	4,113.50	3,964.79	148.70	27.662	
7,500.00	6,227.00	9,069.47	6,339.93	66.58	84.22	173.93	5,057.12	3,041.92	4,013.52	3,864.83	148.69	26.992	
7,600.00	6,227.00	9,069.18	6,339.92	66.90	84.21	174.11	5,057.12	3,041.63	3,913.55	3,764.87	148.68	26.321	
7,700.00	6,227.00	9,068.89	6,339.92	67.24	84.20	174.28	5,057.12	3,041.34	3,813.58	3,664.91	148.67	25.651	
7,800.00	6,227.00	9,068.60	6,339.91	67.61	84.20	174.45	5,057.12	3,041.05	3,713.61	3,564.95	148.67	24.980	
7,900.00	6,227.00	9,068.31	6,339.91	68.00	84.19	174.63	5,057.12	3,040.76	3,613.65	3,464.99	148.66	24.309	
8,000.00	6,227.00	9,068.02	6,339.90	68.43	84.18	174.80	5,057.13	3,040.47	3,513.68	3,365.03	148.65	23.638	
8,100.00	6,227.00	9,067.73	6,339.90	68.88	84.17	174.98	5,057.13	3,040.18	3,413.72	3,265.08	148.64	22.967	
8,200.00	6,227.00	9,067.45	6,339.89	69.36	84.16	175.15	5,057.13	3,039.89	3,313.76	3,165.13	148.63	22.296	
8,300.00	6,227.00	9,067.16	6,339.89	69.88	84.16	175.33	5,057.13	3,039.60	3,213.80	3,065.18	148.62	21.625	
8,400.00	6,227.00	9,066.87	6,339.88	70.43	84.15	175.50	5,057.13	3,039.32	3,113.84	2,965.23	148.61	20.953	
8,500.00	6,227.00	9,102.42	6,340.51	71.00	85.08	155.57	5,056.71	3,074.86	3,013.91	2,864.67	149.23	20.196	
8,600.00	6,227.00	9,099.34	6,340.45	71.62	85.00	157.12	5,056.76	3,071.78	2,913.97	2,764.81	149.15	19.537	
8,700.00	6,227.00	9,096.49	6,340.40	72.26	84.93	158.60	5,056.81	3,068.93	2,814.03	2,664.95	149.08	18.876	
8,800.00	6,227.00	9,093.84	6,340.35	72.94	84.86	160.00	5,056.86	3,066.28	2,714.10	2,565.09	149.01	18.215	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
8,900.00	6,227.00	9,091.36	6,340.31	73.66	84.79	161.33	5,056.90	3,063.80	2,614.17	2,465.23	148.94	17.552	
9,000.00	6,227.00	9,089.04	6,340.27	74.41	84.73	162.60	5,056.94	3,061.48	2,514.24	2,365.36	148.88	16.888	
9,100.00	6,227.00	9,086.86	6,340.23	75.19	84.68	163.80	5,056.97	3,059.30	2,414.32	2,265.50	148.82	16.223	
9,200.00	6,227.00	9,084.82	6,340.19	76.01	84.62	164.95	5,057.00	3,057.26	2,314.41	2,165.64	148.76	15.558	
9,300.00	6,227.00	9,082.89	6,340.16	76.86	84.57	166.04	5,057.03	3,055.34	2,214.50	2,065.79	148.71	14.892	
9,400.00	6,227.00	9,081.08	6,340.13	77.75	84.52	167.08	5,057.06	3,053.52	2,114.60	1,965.94	148.66	14.225	
9,500.00	6,227.00	9,079.36	6,340.10	78.67	84.48	168.07	5,057.08	3,051.81	2,014.71	1,866.10	148.60	13.558	
9,600.00	6,227.00	9,077.74	6,340.07	79.63	84.44	169.02	5,057.11	3,050.19	1,914.83	1,766.28	148.55	12.890	
9,700.00	6,227.00	9,076.21	6,340.04	80.62	84.40	169.92	5,057.13	3,048.65	1,814.96	1,666.46	148.50	12.222	
9,800.00	6,227.00	9,074.75	6,340.01	81.64	84.36	170.78	5,057.15	3,047.20	1,715.11	1,566.66	148.45	11.554	
9,900.00	6,227.00	9,073.37	6,339.99	82.69	84.32	171.60	5,057.17	3,045.81	1,615.27	1,466.88	148.39	10.885	
10,000.00	6,227.00	9,072.05	6,339.97	83.77	84.29	172.38	5,057.18	3,044.50	1,515.45	1,367.12	148.34	10.216	
10,100.00	6,227.00	9,070.79	6,339.94	84.88	84.25	173.14	5,057.20	3,043.24	1,415.66	1,267.39	148.27	9.548	
10,200.00	6,227.00	9,069.60	6,339.92	86.02	84.22	173.85	5,057.21	3,042.05	1,315.90	1,167.70	148.20	8.879	
10,300.00	6,227.00	9,068.46	6,339.90	87.19	84.19	174.54	5,057.23	3,040.90	1,216.18	1,068.06	148.13	8.211	
10,400.00	6,227.00	9,067.36	6,339.88	88.38	84.16	175.20	5,057.24	3,039.81	1,116.51	968.48	148.03	7.542	
10,500.00	6,227.00	9,066.32	6,339.87	89.60	84.14	175.83	5,057.25	3,038.77	1,016.90	868.98	147.92	6.875	
10,600.00	6,227.00	9,065.32	6,339.85	90.84	84.11	176.44	5,057.27	3,037.77	917.38	769.60	147.78	6.208	
10,700.00	6,227.00	9,064.36	6,339.83	92.11	84.08	177.02	5,057.28	3,036.81	817.97	670.38	147.59	5.542	
10,800.00	6,227.00	9,063.44	6,339.81	93.39	84.06	177.58	5,057.29	3,035.89	718.72	571.39	147.33	4.878	
10,900.00	6,227.00	9,062.56	6,339.80	94.70	84.04	178.12	5,057.30	3,035.01	619.71	472.75	146.96	4.217	
11,000.00	6,227.00	9,061.71	6,339.78	96.03	84.01	178.64	5,057.31	3,034.16	521.09	374.71	146.38	3.560	
11,100.00	6,227.00	9,060.90	6,339.77	97.37	83.99	179.13	5,057.32	3,033.35	423.10	277.73	145.38	2.910	
11,200.00	6,227.00	9,060.12	6,339.76	98.74	83.97	179.61	5,057.32	3,032.57	326.34	182.92	143.42	2.275	
11,300.00	6,227.00	9,059.36	6,339.74	100.12	83.95	-179.93	5,057.33	3,031.81	232.34	93.58	138.76	1.674	
11,400.00	6,227.00	9,058.63	6,339.73	101.51	83.93	-179.48	5,057.34	3,031.08	146.51	22.72	123.78	1.184	Level 2
11,500.00	6,227.00	9,057.93	6,339.72	102.92	83.91	-179.05	5,057.35	3,030.38	94.57	18.23	76.34	1.239	Level 2
11,512.60	6,227.00	9,057.84	6,339.72	103.10	83.91	-179.00	5,057.35	3,030.29	93.73	19.37	74.36	1.260	Level 3, CC
11,600.00	6,227.00	9,057.25	6,339.71	104.35	83.90	-178.64	5,057.35	3,029.70	128.16	9.33	118.82	1.079	Level 2, ES, SF
11,700.00	6,227.00	9,056.60	6,339.70	105.79	83.88	-178.24	5,057.36	3,029.05	209.53	70.50	139.03	1.507	
11,800.00	6,227.00	9,055.97	6,339.68	107.24	83.86	-177.85	5,057.37	3,028.42	302.29	157.90	144.39	2.094	
11,900.00	6,227.00	9,055.36	6,339.67	108.71	83.85	-177.48	5,057.37	3,027.81	398.57	252.21	146.36	2.723	
12,000.00	6,227.00	9,054.77	6,339.66	110.19	83.83	-177.12	5,057.38	3,027.22	496.32	349.06	147.26	3.370	
12,100.00	6,227.00	9,054.19	6,339.65	111.68	83.82	-176.77	5,057.38	3,026.65	594.82	447.07	147.74	4.026	
12,200.00	6,227.00	9,053.64	6,339.64	113.18	83.80	-176.43	5,057.39	3,026.09	693.75	545.72	148.03	4.687	
12,300.00	6,227.00	9,053.10	6,339.63	114.68	83.79	-176.10	5,057.39	3,025.56	792.94	644.74	148.20	5.350	
12,400.00	6,227.00	9,052.58	6,339.63	116.20	83.77	-175.79	5,057.40	3,025.04	892.32	743.99	148.32	6.016	
12,500.00	6,227.00	9,052.08	6,339.62	117.73	83.76	-175.48	5,057.40	3,024.53	991.82	843.41	148.41	6.683	
12,600.00	6,227.00	9,051.59	6,339.61	119.27	83.75	-175.18	5,057.41	3,024.04	1,091.41	942.94	148.47	7.351	
12,700.00	6,227.00	9,051.12	6,339.60	120.81	83.74	-174.89	5,057.41	3,023.57	1,191.07	1,042.55	148.52	8.020	
12,800.00	6,227.00	9,050.65	6,339.59	122.37	83.72	-174.61	5,057.42	3,023.11	1,290.78	1,142.22	148.56	8.689	
12,900.00	6,227.00	9,050.21	6,339.58	123.93	83.71	-174.34	5,057.42	3,022.66	1,390.54	1,241.94	148.59	9.358	
13,000.00	6,227.00	9,049.77	6,339.58	125.49	83.70	-174.08	5,057.43	3,022.22	1,490.32	1,341.70	148.62	10.028	
13,100.00	6,227.00	9,049.35	6,339.57	127.07	83.69	-173.82	5,057.43	3,021.80	1,590.14	1,441.49	148.64	10.698	
13,200.00	6,227.00	9,048.94	6,339.56	128.65	83.68	-173.57	5,057.43	3,021.39	1,689.97	1,541.30	148.67	11.368	
13,300.00	6,227.00	9,048.54	6,339.55	130.24	83.67	-173.33	5,057.44	3,020.99	1,789.82	1,641.14	148.69	12.038	
13,400.00	6,227.00	9,048.15	6,339.55	131.83	83.66	-173.09	5,057.44	3,020.60	1,889.69	1,740.99	148.71	12.708	
13,500.00	6,227.00	9,047.77	6,339.54	133.43	83.65	-172.86	5,057.44	3,020.22	1,989.57	1,840.85	148.72	13.378	
13,600.00	6,227.00	9,047.40	6,339.53	135.03	83.64	-172.64	5,057.45	3,019.85	2,089.47	1,940.72	148.74	14.048	
13,700.00	6,227.00	9,047.04	6,339.53	136.64	83.63	-172.42	5,057.45	3,019.49	2,189.37	2,040.61	148.76	14.717	
13,800.00	6,227.00	9,046.69	6,339.52	138.25	83.62	-172.21	5,057.45	3,019.14	2,289.28	2,140.50	148.78	15.387	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
13,900.00	6,227.00	9,046.34	6,339.52	139.87	83.61	-172.00	5,057.46	3,018.80	2,389.20	2,240.40	148.80	16.057	
14,000.00	6,227.00	9,046.01	6,339.51	141.50	83.60	-171.80	5,057.46	3,018.46	2,489.12	2,340.31	148.81	16.726	
14,100.00	6,227.00	9,045.68	6,339.51	143.12	83.59	-171.61	5,057.46	3,018.14	2,589.05	2,440.22	148.83	17.396	
14,200.00	6,227.00	9,045.37	6,339.50	144.76	83.58	-171.42	5,057.46	3,017.82	2,688.99	2,540.14	148.85	18.065	
14,300.00	6,227.00	9,045.06	6,339.49	146.39	83.58	-171.23	5,057.47	3,017.51	2,788.93	2,640.06	148.87	18.734	
14,400.00	6,227.00	9,044.75	6,339.49	148.03	83.57	-171.05	5,057.47	3,017.21	2,888.88	2,739.99	148.89	19.403	
14,500.00	6,227.00	9,044.46	6,339.48	149.67	83.56	-170.87	5,057.47	3,016.91	2,988.82	2,839.92	148.91	20.072	
14,600.00	6,227.00	9,044.17	6,339.48	151.32	83.55	-170.70	5,057.47	3,016.62	3,088.77	2,939.85	148.93	20.740	
14,700.00	6,227.00	9,043.89	6,339.47	152.97	83.54	-170.53	5,057.48	3,016.34	3,188.73	3,039.78	148.95	21.409	
14,800.00	6,227.00	9,043.61	6,339.47	154.62	83.54	-170.36	5,057.48	3,016.06	3,288.69	3,139.72	148.97	22.077	
14,900.00	6,227.00	9,043.34	6,339.46	156.28	83.53	-170.20	5,057.48	3,015.79	3,388.65	3,239.66	148.99	22.744	
15,000.00	6,227.00	9,043.07	6,339.46	157.94	83.52	-170.04	5,057.48	3,015.53	3,488.61	3,339.60	149.01	23.412	
15,100.00	6,227.00	9,042.82	6,339.46	159.60	83.52	-169.89	5,057.48	3,015.27	3,588.57	3,439.54	149.03	24.079	
15,200.00	6,227.00	9,042.56	6,339.45	161.27	83.51	-169.74	5,057.49	3,015.02	3,688.54	3,539.48	149.05	24.746	
15,300.00	6,227.00	9,042.32	6,339.45	162.94	83.50	-169.59	5,057.49	3,014.77	3,788.51	3,639.43	149.08	25.413	
15,400.00	6,227.00	9,042.07	6,339.44	164.61	83.50	-169.45	5,057.49	3,014.53	3,888.48	3,739.38	149.10	26.080	
15,500.00	6,227.00	9,041.84	6,339.44	166.28	83.49	-169.31	5,057.49	3,014.29	3,988.45	3,839.32	149.12	26.746	
15,600.00	6,227.00	9,041.60	6,339.43	167.95	83.48	-169.17	5,057.49	3,014.06	4,088.42	3,939.27	149.15	27.412	
15,700.00	6,227.00	9,041.38	6,339.43	169.63	83.48	-169.03	5,057.49	3,013.83	4,188.39	4,039.22	149.17	28.078	
15,800.00	6,227.00	9,041.15	6,339.43	171.31	83.47	-168.90	5,057.50	3,013.61	4,288.37	4,139.17	149.19	28.743	
15,900.00	6,227.00	9,040.93	6,339.42	172.99	83.47	-168.77	5,057.50	3,013.39	4,388.34	4,239.12	149.22	29.409	
16,000.00	6,227.00	9,040.72	6,339.42	174.68	83.46	-168.65	5,057.50	3,013.17	4,488.32	4,339.07	149.24	30.074	
16,100.00	6,227.00	9,040.51	6,339.42	176.36	83.46	-168.52	5,057.50	3,012.96	4,588.30	4,439.03	149.27	30.738	
16,200.00	6,227.00	9,040.30	6,339.41	178.05	83.45	-168.40	5,057.50	3,012.76	4,688.28	4,538.98	149.30	31.402	
16,300.00	6,227.00	9,040.10	6,339.41	179.74	83.45	-168.28	5,057.50	3,012.56	4,788.26	4,638.93	149.32	32.066	
16,400.00	6,227.00	9,039.90	6,339.41	181.43	83.44	-168.16	5,057.50	3,012.36	4,888.24	4,738.89	149.35	32.730	
16,500.00	6,227.00	9,039.71	6,339.40	183.13	83.44	-168.05	5,057.51	3,012.16	4,988.22	4,838.84	149.38	33.393	
16,600.00	6,227.00	9,039.52	6,339.40	184.82	83.43	-167.94	5,057.51	3,011.97	5,088.20	4,938.79	149.41	34.056	
16,700.00	6,227.00	9,039.33	6,339.40	186.52	83.43	-167.83	5,057.51	3,011.79	5,188.18	5,038.75	149.43	34.719	
16,800.00	6,227.00	9,039.15	6,339.39	188.22	83.42	-167.72	5,057.51	3,011.60	5,288.17	5,138.70	149.46	35.381	
16,900.00	6,227.00	9,038.97	6,339.39	189.92	83.42	-167.61	5,057.51	3,011.42	5,388.15	5,238.66	149.49	36.043	
17,000.81	6,227.00	9,038.79	6,339.39	191.63	83.41	-167.51	5,057.51	3,011.24	5,488.94	5,339.42	149.52	36.710	

## Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-1.50	5,040.22	-132.07	5,041.95				
100.00	100.00	119.00	119.00	0.27	0.20	-1.50	5,040.22	-132.07	5,041.95	5,041.48	0.47	N/A	
200.00	200.00	219.00	219.00	0.63	0.38	-1.50	5,040.22	-132.07	5,041.95	5,040.95	1.00	5,023.401	
300.00	300.00	319.00	319.00	0.99	0.55	-1.50	5,040.22	-132.07	5,041.95	5,040.42	1.53	3,286.754	
400.00	399.98	418.98	418.98	1.34	0.72	-84.90	5,040.22	-132.07	5,041.80	5,039.74	2.06	2,449.770	
500.00	499.84	518.84	518.84	1.69	0.89	-84.97	5,040.22	-132.07	5,041.33	5,038.75	2.58	1,951.526	
600.00	599.45	594.43	594.43	2.06	1.04	-85.05	5,040.25	-132.05	5,040.66	5,037.56	3.10	1,625.658	
700.00	698.70	663.69	663.69	2.44	1.29	-85.15	5,040.98	-131.66	5,040.57	5,036.84	3.73	1,350.706	
800.00	797.47	767.75	767.74	2.85	1.66	-85.33	5,042.06	-131.02	5,040.29	5,035.78	4.51	1,117.434	
900.00	895.62	871.20	871.18	3.29	2.03	-85.56	5,043.03	-130.37	5,039.68	5,034.36	5.32	947.878	
1,000.00	993.06	962.91	962.89	3.76	2.36	-85.80	5,043.88	-129.80	5,038.87	5,032.75	6.12	823.675	
1,100.00	1,089.64	1,052.01	1,051.98	4.27	2.68	-86.08	5,044.84	-129.28	5,038.06	5,031.11	6.95	724.829	
1,200.00	1,185.27	1,140.22	1,140.18	4.83	2.99	-86.38	5,045.92	-128.80	5,037.30	5,029.47	7.83	643.505	
1,300.00	1,279.82	1,233.79	1,233.74	5.45	3.33	-86.73	5,047.17	-128.26	5,036.60	5,027.82	8.78	573.856	
1,400.00	1,373.17	1,328.44	1,328.38	6.12	3.67	-87.12	5,048.43	-127.48	5,035.91	5,026.13	9.79	514.565	
1,500.00	1,465.21	1,421.99	1,421.92	6.85	4.00	-87.54	5,049.68	-126.48	5,035.30	5,024.44	10.85	463.903	
1,600.00	1,555.84	1,531.37	1,531.28	7.65	4.39	-88.06	5,050.96	-125.37	5,034.71	5,022.67	12.03	418.388	
1,700.00	1,644.94	1,644.01	1,643.92	8.51	4.78	-88.66	5,051.69	-125.11	5,033.95	5,020.67	13.29	378.786	
1,800.00	1,732.39	1,753.56	1,753.46	9.45	5.16	-89.28	5,051.82	-125.75	5,033.16	5,018.55	14.61	344.597	
1,827.18	1,755.86	1,769.83	1,769.74	9.72	5.21	-89.38	5,051.85	-125.83	5,033.01	5,018.08	14.93	337.119	
1,900.00	1,818.58	1,829.30	1,829.20	10.44	5.42	-89.73	5,051.89	-126.17	5,032.79	5,016.93	15.86	317.242	
1,914.95	1,831.46	1,841.52	1,841.43	10.60	5.46	-89.80	5,051.91	-126.23	5,032.78	5,016.72	16.06	313.405	
2,000.00	1,904.71	1,911.18	1,911.09	11.46	5.71	-90.20	5,052.03	-126.46	5,033.00	5,015.83	17.16	293.240	
2,100.00	1,990.83	1,993.34	1,993.24	12.49	5.99	-90.68	5,052.26	-126.52	5,033.79	5,015.32	18.48	272.459	
2,200.00	2,076.96	10,171.36	6,355.19	13.53	99.09	-100.50	1,786.31	2,594.06	5,013.86	4,949.43	64.43	77.816	
2,300.00	2,163.08	10,195.96	6,354.91	14.57	99.66	-100.17	1,767.91	2,610.39	4,918.47	4,853.26	65.21	75.426	
2,400.00	2,249.21	10,220.65	6,354.63	15.62	100.23	-99.84	1,749.47	2,626.81	4,823.11	4,757.11	66.00	73.072	
2,500.00	2,335.33	10,248.02	6,354.31	16.68	100.87	-99.45	1,729.06	2,645.04	4,727.80	4,660.94	66.85	70.719	
2,600.00	2,421.45	10,276.25	6,353.95	17.74	101.52	-99.03	1,708.05	2,663.88	4,632.51	4,564.78	67.73	68.397	
2,700.00	2,507.58	10,304.42	6,353.55	18.81	102.18	-98.60	1,687.11	2,682.73	4,537.24	4,468.62	68.62	66.118	
2,800.00	2,593.70	10,382.40	6,352.08	19.87	103.99	-97.30	1,629.13	2,734.86	4,441.95	4,371.83	70.12	63.352	
2,900.00	2,679.83	10,399.50	6,351.53	20.94	104.39	-97.00	1,616.31	2,746.16	4,346.29	4,275.38	70.91	61.295	
3,000.00	2,765.95	10,442.76	6,350.46	22.01	105.39	-96.21	1,583.98	2,774.88	4,250.75	4,178.73	72.01	59.026	
3,100.00	2,852.08	10,457.24	6,350.15	23.09	105.73	-95.94	1,573.13	2,784.47	4,155.30	4,082.49	72.82	57.065	
3,200.00	2,938.20	10,472.07	6,349.89	24.16	106.07	-95.65	1,562.01	2,794.28	4,059.98	3,986.34	73.65	55.127	
3,300.00	3,024.32	10,487.25	6,349.68	25.24	106.42	-95.36	1,550.63	2,804.32	3,964.79	3,890.28	74.51	53.213	
3,400.00	3,110.45	10,513.00	6,349.47	26.32	107.02	-94.85	1,531.32	2,821.35	3,869.75	3,794.25	75.50	51.256	
3,500.00	3,196.57	10,530.21	6,349.39	27.40	107.42	-94.50	1,518.39	2,832.71	3,774.78	3,698.35	76.43	49.389	
3,600.00	3,282.70	10,577.58	6,349.17	28.48	108.52	-93.50	1,482.59	2,863.73	3,679.79	3,602.13	77.66	47.381	
3,700.00	3,368.82	10,623.69	6,348.97	29.56	109.58	-92.47	1,447.46	2,893.61	3,584.71	3,505.82	78.89	45.439	
3,800.00	3,454.95	10,640.68	6,349.04	30.64	109.97	-92.09	1,434.40	2,904.46	3,489.68	3,409.80	79.88	43.686	
3,900.00	3,541.07	10,665.51	6,349.26	31.72	110.54	-91.51	1,415.22	2,920.22	3,394.73	3,313.77	80.96	41.931	
4,000.00	3,627.19	10,755.25	6,350.27	32.80	112.58	-89.32	1,344.67	2,975.68	3,299.48	3,217.02	82.46	40.013	
4,100.00	3,713.32	10,843.99	6,350.11	33.89	114.59	-86.82	1,274.20	3,029.58	3,203.83	3,119.94	83.90	38.188	
4,200.00	3,799.44	10,867.88	6,349.90	34.97	115.13	-86.08	1,255.14	3,044.00	3,108.06	3,023.07	84.99	36.569	
4,300.00	3,885.57	10,893.00	6,349.68	36.05	115.70	-85.26	1,235.12	3,059.16	3,012.36	2,926.23	86.13	34.976	
4,400.00	3,971.69	10,893.00	6,349.68	37.14	115.70	-85.26	1,235.12	3,059.16	2,916.84	2,829.63	87.21	33.447	
4,500.00	4,057.82	10,917.26	6,349.60	38.22	116.25	-84.43	1,215.78	3,073.81	2,821.42	2,732.98	88.43	31.905	
4,600.00	4,143.94	10,930.40	6,349.67	39.31	116.54	-83.97	1,205.30	3,081.74	2,726.25	2,636.58	89.67	30.402	
4,700.00	4,230.06	10,944.06	6,349.82	40.39	116.85	-83.48	1,194.41	3,089.99	2,631.31	2,540.33	90.98	28.923	
4,800.00	4,316.19	10,958.27	6,350.06	41.48	117.17	-82.97	1,183.09	3,098.57	2,536.61	2,444.26	92.35	27.467	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
4,900.00	4,402.31	10,989.00	6,350.89	42.57	117.87	-81.81	1,158.61	3,117.13	2,442.26	2,348.46	93.80	26.038	
5,000.00	4,488.44	10,989.00	6,350.89	43.65	117.87	-81.81	1,158.61	3,117.13	2,348.00	2,252.67	95.33	24.631	
5,100.00	4,574.56	11,024.74	6,352.03	44.74	118.68	-80.38	1,130.14	3,138.70	2,254.01	2,157.10	96.92	23.257	
5,200.00	4,660.69	11,060.75	6,353.02	45.83	119.49	-78.82	1,101.44	3,160.43	2,160.09	2,061.51	98.57	21.914	
5,300.00	4,746.81	11,095.82	6,353.84	46.91	120.28	-77.18	1,073.48	3,181.58	2,066.25	1,965.94	100.31	20.599	
5,400.00	4,832.93	11,129.97	6,354.51	48.00	121.06	-75.47	1,046.24	3,202.17	1,972.53	1,870.39	102.14	19.312	
5,500.00	4,919.06	11,159.03	6,354.98	49.09	121.71	-73.90	1,023.05	3,219.68	1,879.00	1,774.89	104.11	18.049	
5,600.00	5,005.18	11,186.17	6,355.43	50.17	122.33	-72.35	1,001.40	3,236.03	1,785.75	1,679.53	106.21	16.813	
5,700.00	5,091.31	11,197.00	6,355.60	51.26	122.57	-71.71	992.76	3,242.56	1,692.91	1,584.30	108.61	15.586	
5,800.00	5,177.43	11,197.00	6,355.60	52.35	122.57	-71.71	992.76	3,242.56	1,600.90	1,489.56	111.34	14.379	
5,900.00	5,263.56	11,197.00	6,355.60	53.44	122.57	-71.71	992.76	3,242.56	1,509.90	1,395.57	114.33	13.206	
6,000.00	5,349.68	11,197.00	6,355.60	54.53	122.57	-71.71	992.76	3,242.56	1,420.12	1,302.49	117.63	12.072	
6,100.00	5,435.80	11,197.00	6,355.60	55.61	122.57	-71.71	992.76	3,242.56	1,331.80	1,210.52	121.27	10.982	
6,200.00	5,521.93	11,197.00	6,355.60	56.70	122.57	-71.71	992.76	3,242.56	1,245.24	1,119.96	125.28	9.940	
6,300.00	5,608.05	11,197.00	6,355.60	57.79	122.57	-71.71	992.76	3,242.56	1,160.84	1,031.16	129.68	8.951	
6,400.00	5,694.18	11,197.00	6,355.60	58.88	122.57	-71.71	992.76	3,242.56	1,079.11	944.62	134.49	8.024	
6,479.32	5,762.49	11,197.00	6,355.60	59.74	122.57	-71.71	992.76	3,242.56	1,016.62	878.04	138.58	7.336	
6,500.00	5,780.28	11,197.00	6,355.60	59.97	122.57	-67.69	992.76	3,242.56	1,000.48	860.82	139.66	7.164	
6,550.00	5,822.98	11,197.00	6,355.60	60.51	122.57	-58.09	992.76	3,242.56	960.30	818.14	142.16	6.755	
6,600.00	5,865.00	11,197.00	6,355.60	61.05	122.57	-48.82	992.76	3,242.56	918.56	774.06	144.50	6.357	
6,650.00	5,906.01	11,197.00	6,355.60	61.57	122.57	-39.84	992.76	3,242.56	875.37	728.70	146.67	5.968	
6,700.00	5,945.70	11,197.00	6,355.60	62.08	122.57	-30.90	992.76	3,242.56	830.87	682.20	148.67	5.589	
6,750.00	5,983.77	11,197.00	6,355.60	62.56	122.57	-21.54	992.76	3,242.56	785.19	634.69	150.49	5.217	
6,800.00	6,019.92	11,197.00	6,355.60	63.02	122.57	-11.01	992.76	3,242.56	738.50	586.35	152.15	4.854	
6,850.00	6,053.90	11,197.00	6,355.60	63.45	122.57	1.77	992.76	3,242.56	690.98	537.35	153.63	4.498	
6,900.00	6,085.42	11,197.00	6,355.60	63.86	122.57	18.07	992.76	3,242.56	642.86	487.94	154.92	4.150	
6,950.00	6,114.26	11,197.00	6,355.60	64.23	122.57	38.20	992.76	3,242.56	594.40	438.40	156.00	3.810	
7,000.00	6,140.20	11,197.00	6,355.60	64.58	122.57	59.61	992.76	3,242.56	545.93	389.11	156.82	3.481	
7,050.00	6,163.03	11,197.00	6,355.60	64.89	122.57	78.04	992.76	3,242.56	497.86	340.56	157.30	3.165	
7,100.00	6,182.59	11,197.00	6,355.60	65.17	122.57	91.65	992.76	3,242.56	450.75	293.49	157.26	2.866	
7,150.00	6,198.73	11,197.00	6,355.60	65.42	122.57	101.06	992.76	3,242.56	405.35	248.93	156.42	2.591	
7,200.00	6,211.32	11,197.00	6,355.60	65.65	122.57	107.47	992.76	3,242.56	362.72	208.44	154.28	2.351	
7,250.00	6,220.26	11,197.00	6,355.60	65.84	122.57	111.77	992.76	3,242.56	324.34	174.30	150.04	2.162	
7,300.00	6,225.50	11,176.95	6,355.28	66.01	122.12	115.55	1,008.76	3,230.48	291.53	145.89	145.64	2.002	
7,344.70	6,227.00	11,141.97	6,354.71	66.14	121.33	119.59	1,036.67	3,209.40	265.22	122.64	142.58	1.860	
7,400.00	6,227.00	11,097.31	6,353.88	66.29	120.32	123.27	1,072.29	3,182.48	234.70	96.96	137.74	1.704	
7,500.00	6,227.00	11,016.62	6,351.78	66.58	118.49	132.48	1,136.61	3,133.80	181.79	56.82	124.97	1.455 Level 3	
7,600.00	6,227.00	10,939.12	6,349.76	66.90	116.74	146.56	1,198.35	3,087.00	135.49	35.08	100.41	1.349 Level 3	
7,700.00	6,227.00	10,861.79	6,349.95	67.24	114.99	168.25	1,260.00	3,040.33	107.28	43.56	63.71	1.684	
7,741.57	6,227.00	10,828.78	6,350.26	67.39	114.25	179.11	1,286.33	3,020.41	104.27	44.65	59.62	1.749 CC	
7,800.00	6,227.00	10,781.88	6,350.66	67.61	113.19	-165.63	1,323.71	2,992.10	110.10	30.47	79.62	1.383 Level 3	
7,900.00	6,227.00	10,703.00	6,349.92	68.00	111.40	-144.02	1,385.99	2,943.70	141.34	23.80	117.54	1.202 Level 2, ES, SF	
8,000.00	6,227.00	10,629.62	6,349.01	68.43	109.72	-130.19	1,442.90	2,897.40	189.59	55.42	134.17	1.413 Level 3	
8,100.00	6,227.00	10,557.71	6,349.26	68.88	108.06	-121.46	1,497.64	2,850.76	246.91	106.96	139.95	1.764	
8,200.00	6,227.00	10,485.85	6,349.70	69.36	106.39	-115.61	1,551.68	2,803.40	308.42	166.81	141.61	2.178	
8,300.00	6,227.00	10,413.52	6,351.25	69.88	104.71	-111.71	1,605.88	2,755.52	372.13	230.64	141.49	2.630	
8,400.00	6,227.00	10,341.27	6,352.96	70.43	103.03	-108.88	1,659.76	2,707.42	437.10	296.43	140.67	3.107	
8,500.00	6,227.00	10,265.78	6,354.09	71.00	101.28	-106.56	1,715.84	2,656.89	502.76	363.42	139.34	3.608	
8,600.00	6,227.00	10,188.71	6,354.99	71.62	99.49	-104.72	1,773.33	2,605.58	568.39	430.60	137.79	4.125	
8,700.00	6,227.00	10,112.14	6,355.85	72.26	97.72	-103.27	1,830.67	2,554.84	633.96	497.74	136.22	4.654	
8,800.00	6,227.00	10,037.09	6,356.43	72.94	95.98	-102.09	1,886.92	2,505.16	699.60	564.88	134.71	5.193	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
8,900.00	6,227.00	9,968.37	6,356.82	73.66	94.39	-101.16	1,938.23	2,459.46	765.66	632.22	133.44	5.738	
9,000.00	6,227.00	9,880.90	6,357.52	74.41	92.38	-100.20	2,003.58	2,401.31	831.88	700.36	131.52	6.325	
9,100.00	6,227.00	9,796.81	6,358.80	75.19	90.45	-99.49	2,067.58	2,346.79	896.57	766.75	129.82	6.906	
9,200.00	6,227.00	9,720.10	6,360.16	76.01	88.70	-98.95	2,126.03	2,297.12	961.27	832.86	128.41	7.486	
9,300.00	6,227.00	9,640.18	6,361.45	76.86	86.87	-98.46	2,187.09	2,245.59	1,025.73	898.76	126.97	8.079	
9,400.00	6,227.00	9,568.67	6,361.24	77.75	85.24	-97.97	2,241.68	2,199.39	1,090.19	964.44	125.75	8.669	
9,500.00	6,227.00	9,461.23	6,357.39	78.67	82.81	-97.12	2,324.10	2,130.59	1,153.94	1,030.11	123.83	9.319	
9,600.00	6,227.00	9,370.00	6,353.37	79.63	80.76	-96.46	2,395.48	2,073.93	1,215.73	1,093.35	122.37	9.935	
9,700.00	6,227.00	9,303.08	6,351.98	80.62	79.27	-96.11	2,448.02	2,032.51	1,277.61	1,156.21	121.40	10.524	
9,800.00	6,227.00	9,240.08	6,352.00	81.64	77.85	-95.87	2,496.87	1,992.73	1,340.79	1,220.30	120.49	11.128	
9,900.00	6,227.00	9,168.82	6,351.48	82.69	76.25	-95.60	2,551.82	1,947.35	1,404.50	1,285.03	119.47	11.757	
10,000.00	6,227.00	9,092.22	6,349.62	83.77	74.53	-95.26	2,610.76	1,898.46	1,468.30	1,349.92	118.38	12.403	
10,100.00	6,227.00	9,009.00	6,347.56	84.88	72.23	-94.88	2,690.73	1,833.26	1,531.51	1,414.45	117.06	13.083	
10,200.00	6,227.00	8,911.62	6,348.54	86.02	70.51	-94.73	2,751.21	1,785.01	1,594.07	1,477.96	116.11	13.729	
10,300.00	6,227.00	8,846.28	6,350.09	87.19	69.06	-94.65	2,802.17	1,744.15	1,656.90	1,541.61	115.29	14.371	
10,400.00	6,227.00	8,784.53	6,350.42	88.38	67.69	-94.53	2,849.94	1,705.00	1,720.47	1,605.97	114.50	15.026	
10,500.00	6,227.00	8,721.24	6,350.32	89.60	66.29	-94.39	2,898.54	1,664.46	1,784.66	1,670.97	113.70	15.697	
10,600.00	6,227.00	8,640.53	6,349.98	90.84	64.50	-94.21	2,960.30	1,612.52	1,849.17	1,736.39	112.79	16.395	
10,700.00	6,227.00	8,567.01	6,349.46	92.11	62.87	-94.06	3,016.71	1,565.37	1,913.45	1,801.50	111.95	17.091	
10,800.00	6,227.00	8,501.49	6,349.52	93.39	61.43	-93.94	3,066.79	1,523.11	1,978.12	1,866.93	111.19	17.791	
10,900.00	6,227.00	8,433.74	6,349.74	94.70	59.94	-93.84	3,118.37	1,479.19	2,043.14	1,932.71	110.43	18.502	
11,000.00	6,227.00	8,352.84	6,349.46	96.03	58.16	-93.70	3,179.86	1,426.62	2,108.29	1,998.66	109.63	19.231	
11,100.00	6,227.00	8,253.60	6,348.45	97.37	56.00	-93.53	3,255.69	1,362.61	2,172.98	2,064.17	108.80	19.972	
11,200.00	6,227.00	8,133.73	6,349.64	98.74	53.43	-93.41	3,348.53	1,286.81	2,236.47	2,128.46	108.01	20.706	
11,300.00	6,227.00	8,042.40	6,349.01	100.12	51.49	-93.28	3,419.98	1,229.93	2,298.94	2,191.60	107.35	21.416	
11,400.00	6,227.00	7,975.03	6,347.61	101.51	50.07	-93.16	3,472.68	1,187.98	2,361.35	2,254.61	106.74	22.122	
11,500.00	6,227.00	7,919.78	6,346.91	102.92	48.91	-93.08	3,515.73	1,153.35	2,424.25	2,318.09	106.16	22.835	
11,600.00	6,227.00	7,875.25	6,346.91	104.35	47.98	-93.04	3,550.07	1,125.01	2,488.10	2,382.50	105.60	23.561	
11,700.00	6,227.00	7,829.03	6,347.49	105.79	47.01	-93.01	3,585.35	1,095.16	2,552.94	2,447.89	105.05	24.302	
11,800.00	6,227.00	7,779.35	6,348.62	107.24	45.97	-92.99	3,622.94	1,062.70	2,618.58	2,514.08	104.50	25.058	
11,900.00	6,227.00	7,710.07	6,350.50	108.71	44.53	-92.98	3,674.98	1,017.00	2,684.84	2,580.87	103.96	25.825	
12,000.00	6,227.00	7,657.00	6,350.72	110.19	43.43	-92.93	3,714.95	982.09	2,750.99	2,647.56	103.43	26.598	
12,100.00	6,227.00	7,598.03	6,350.62	111.68	42.23	-92.87	3,759.08	942.98	2,817.61	2,714.70	102.92	27.378	
12,200.00	6,227.00	7,562.00	6,350.86	113.18	41.49	-92.85	3,785.71	918.71	2,885.24	2,782.84	102.40	28.176	
12,300.00	6,227.00	7,515.83	6,351.28	114.68	40.56	-92.82	3,819.49	887.24	2,953.67	2,851.77	101.90	28.986	
12,400.00	6,227.00	7,452.30	6,351.64	116.20	39.28	-92.77	3,865.48	843.42	3,022.85	2,921.42	101.43	29.803	
12,500.00	6,227.00	7,322.34	6,351.47	117.73	36.73	-92.66	3,960.23	754.47	3,091.73	2,990.62	101.11	30.578	
12,600.00	6,227.00	7,192.81	6,353.75	119.27	34.29	-92.61	4,056.76	668.13	3,158.60	3,057.66	100.94	31.293	
12,700.00	6,227.00	7,126.80	6,354.78	120.81	33.09	-92.59	4,106.26	624.48	3,225.01	3,124.37	100.64	32.044	
12,800.00	6,227.00	6,937.41	6,352.93	122.37	29.85	-92.42	4,249.60	500.75	3,291.00	3,189.98	101.02	32.578	
12,900.00	6,227.00	6,773.27	6,351.73	123.93	27.35	-92.30	4,377.45	397.90	3,353.87	3,252.27	101.61	33.009	
13,000.00	6,227.00	6,630.01	6,333.68	125.49	25.40	-91.85	4,489.98	311.34	3,414.61	3,312.39	102.21	33.407	
13,100.00	6,227.00	6,537.00	6,306.88	127.07	24.28	-91.26	4,560.49	257.07	3,475.40	3,372.96	102.43	33.929	
13,200.00	6,227.00	6,504.24	6,294.80	128.65	23.92	-91.00	4,584.61	238.49	3,536.19	3,434.03	102.17	34.612	
13,300.00	6,227.00	6,473.57	6,282.70	130.24	23.59	-90.75	4,606.72	221.00	3,598.11	3,496.22	101.89	35.314	
13,400.00	6,227.00	6,442.00	6,269.58	131.83	23.26	-90.48	4,628.99	202.89	3,661.13	3,559.51	101.62	36.027	
13,500.00	6,227.00	6,382.24	6,242.34	133.43	22.69	-89.93	4,670.02	169.06	3,724.91	3,623.31	101.61	36.660	
13,600.00	6,227.00	6,330.81	6,216.36	135.03	22.24	-89.41	4,704.15	140.71	3,789.27	3,687.74	101.53	37.323	
13,700.00	6,227.00	6,299.00	6,198.41	136.64	21.98	-89.06	4,724.32	123.88	3,854.33	3,753.07	101.27	38.062	
13,800.00	6,227.00	6,272.27	6,182.11	138.25	21.77	-88.75	4,740.46	110.16	3,920.42	3,819.46	100.96	38.831	
13,900.00	6,227.00	6,252.00	6,169.06	139.87	21.62	-88.50	4,752.11	99.93	3,987.68	3,887.08	100.60	39.640	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
Survey Program: 583-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	6,234.01	6,157.07	141.50	21.50	-88.27	4,762.08	90.97	4,056.02	3,955.80	100.22	40.470	
14,100.00	6,227.00	6,204.00	6,136.40	143.12	21.29	-87.88	4,778.10	76.24	4,125.41	4,025.49	99.93	41.284	
14,200.00	6,227.00	6,189.88	6,126.40	144.76	21.20	-87.69	4,785.37	69.43	4,195.72	4,096.19	99.53	42.154	
14,300.00	6,227.00	6,157.00	6,102.46	146.39	21.00	-87.24	4,801.75	53.94	4,266.93	4,167.67	99.26	42.989	
14,400.00	6,227.00	6,137.68	6,087.94	148.03	20.88	-86.97	4,810.95	45.14	4,338.97	4,240.07	98.90	43.872	
14,500.00	6,227.00	6,109.00	6,065.64	149.67	20.72	-86.56	4,823.93	32.61	4,411.86	4,313.27	98.59	44.750	
14,600.00	6,227.00	6,086.98	6,048.00	151.32	20.60	-86.23	4,833.39	23.44	4,485.54	4,387.30	98.24	45.658	
14,700.00	6,227.00	6,056.36	6,022.79	152.97	20.44	-85.77	4,845.86	11.35	4,559.96	4,462.04	97.92	46.566	
14,800.00	6,227.00	5,998.60	5,973.27	154.62	20.16	-84.87	4,867.50	-9.03	4,634.94	4,537.27	97.68	47.452	
14,900.00	6,227.00	5,966.00	5,944.34	156.28	20.01	-84.35	4,878.63	-19.10	4,710.52	4,613.20	97.32	48.402	
15,000.00	6,227.00	5,966.00	5,944.34	157.94	20.01	-84.35	4,878.63	-19.10	4,786.89	4,689.99	96.90	49.398	
15,100.00	6,227.00	5,943.55	5,924.07	159.60	19.91	-83.99	4,885.78	-25.56	4,863.96	4,767.42	96.54	50.385	
15,200.00	6,227.00	5,918.00	5,900.71	161.27	19.80	-83.57	4,893.36	-32.62	4,941.92	4,845.75	96.17	51.388	
15,300.00	6,227.00	5,918.00	5,900.71	162.94	19.80	-83.57	4,893.36	-32.62	5,020.45	4,924.67	95.78	52.415	
15,400.00	6,227.00	5,871.00	5,856.98	164.61	19.60	-82.79	4,906.16	-44.10	5,099.69	5,004.26	95.43	53.442	
15,500.00	6,227.00	5,852.24	5,839.28	166.28	19.52	-82.48	4,910.93	-48.10	5,179.39	5,084.33	95.05	54.488	
15,600.00	6,227.00	5,838.55	5,826.30	167.95	19.46	-82.25	4,914.27	-50.89	5,259.72	5,165.02	94.69	55.546	
15,700.00	6,227.00	5,831.20	5,819.31	169.63	19.43	-82.12	4,916.02	-52.33	5,340.65	5,246.31	94.34	56.611	
15,800.00	6,227.00	5,796.68	5,786.28	171.31	19.30	-81.54	4,923.82	-58.61	5,422.14	5,328.17	93.97	57.702	
15,900.00	6,227.00	5,775.00	5,765.36	172.99	19.21	-81.17	4,928.40	-62.00	5,504.12	5,410.51	93.61	58.801	
16,000.00	6,227.00	5,775.00	5,765.36	174.68	19.21	-81.17	4,928.40	-62.00	5,586.66	5,493.37	93.29	59.885	
16,100.00	6,227.00	5,775.00	5,765.36	176.36	19.21	-81.17	4,928.40	-62.00	5,669.76	5,576.78	92.98	60.978	
16,200.00	6,227.00	5,755.14	5,746.06	178.05	19.14	-80.83	4,932.23	-64.67	5,753.28	5,660.64	92.64	62.103	
16,300.00	6,227.00	5,750.03	5,741.06	179.74	19.12	-80.74	4,933.14	-65.28	5,837.37	5,745.03	92.34	63.217	
16,400.00	6,227.00	5,745.27	5,736.41	181.43	19.10	-80.66	4,933.95	-65.81	5,921.93	5,829.88	92.04	64.338	
16,500.00	6,227.00	5,727.00	5,718.45	183.13	19.03	-80.34	4,936.79	-67.59	6,007.01	5,915.30	91.72	65.496	
16,600.00	6,227.00	5,727.00	5,718.45	184.82	19.03	-80.34	4,936.79	-67.59	6,092.45	6,001.00	91.45	66.620	
16,700.00	6,227.00	5,727.00	5,718.45	186.52	19.03	-80.34	4,936.79	-67.59	6,178.33	6,087.13	91.19	67.749	
16,800.00	6,227.00	5,727.00	5,718.45	188.22	19.03	-80.34	4,936.79	-67.59	6,264.62	6,173.67	90.95	68.883	
16,900.00	6,227.00	5,727.00	5,718.45	189.92	19.03	-80.34	4,936.79	-67.59	6,351.32	6,260.61	90.70	70.022	
17,000.81	6,227.00	5,727.00	5,718.45	191.63	19.03	-80.34	4,936.79	-67.59	6,439.10	6,348.63	90.47	71.175	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	0.80	100.18	1.39	100.60					
100.00	100.00	90.54	90.54	0.27	0.15	0.98	100.39	1.72	100.40	99.99	0.42	239.426	CC	
200.00	200.00	190.01	190.00	0.63	0.32	1.60	101.08	2.83	101.13	100.18	0.94	107.253		
300.00	300.00	290.67	290.65	0.99	0.62	2.44	101.87	4.34	101.96	100.35	1.61	63.412		
400.00	399.98	390.63	390.60	1.34	0.98	-81.38	102.05	5.28	101.92	99.60	2.32	43.973		
500.00	499.84	491.03	491.00	1.69	1.34	-83.93	102.23	5.99	101.43	98.40	3.03	33.479		
581.13	580.68	571.28	571.25	1.99	1.62	-87.52	102.34	6.37	101.02	97.40	3.61	27.961		
600.00	599.45	589.95	589.92	2.06	1.69	-88.51	102.44	6.50	101.04	97.29	3.75	26.954	ES	
700.00	698.70	688.57	688.52	2.44	2.04	-94.50	103.40	7.74	102.16	97.68	4.48	22.782		
800.00	797.47	785.87	785.78	2.85	2.39	-101.65	105.68	9.17	106.30	101.07	5.23	20.311		
900.00	895.62	882.78	882.61	3.29	2.74	-109.37	109.45	10.57	114.59	108.59	6.00	19.104		
1,000.00	993.06	978.90	978.53	3.76	3.08	-116.45	115.18	12.61	127.69	120.91	6.78	18.847	SF	
1,100.00	1,089.64	1,074.76	1,073.97	4.27	3.44	-122.12	123.35	16.15	145.32	137.75	7.57	19.196		
1,200.00	1,185.27	1,169.51	1,168.03	4.83	3.79	-126.47	133.80	20.82	167.14	158.76	8.38	19.942		
1,300.00	1,279.82	1,264.84	1,262.62	5.45	4.16	-130.48	144.80	25.28	192.54	183.33	9.21	20.903		
1,400.00	1,373.17	1,357.19	1,354.23	6.12	4.52	-134.02	155.86	28.91	221.95	211.92	10.03	22.125		
1,500.00	1,465.21	1,447.28	1,443.60	6.85	4.87	-137.17	167.02	31.38	255.74	244.89	10.84	23.587		
1,600.00	1,555.84	1,539.75	1,535.42	7.65	5.23	-140.25	177.72	33.04	293.17	281.51	11.67	25.126		
1,700.00	1,644.94	1,630.73	1,625.98	8.51	5.57	-143.23	186.37	34.14	333.59	321.12	12.47	26.743		
1,800.00	1,732.39	1,724.34	1,719.25	9.45	5.93	-146.04	194.32	35.34	377.08	363.78	13.30	28.359		
1,827.18	1,755.86	1,752.31	1,747.09	9.72	6.04	-146.76	196.81	36.24	389.09	375.55	13.54	28.730		
1,900.00	1,818.58	1,820.75	1,815.15	10.44	6.30	-148.59	203.21	39.55	420.94	406.78	14.15	29.739		
2,000.00	1,904.71	1,905.50	1,899.42	11.46	6.63	-150.47	211.24	43.72	465.08	450.14	14.93	31.146		
2,100.00	1,990.83	1,988.36	1,981.77	12.49	6.96	-151.95	219.89	46.83	510.82	495.12	15.70	32.544		
2,200.00	2,076.96	2,079.68	2,072.60	13.53	7.31	-153.42	228.74	49.77	557.10	540.58	16.52	33.727		
2,300.00	2,163.08	2,174.37	2,166.76	14.57	7.68	-154.67	237.85	54.03	602.48	585.12	17.37	34.691		
2,400.00	2,249.21	2,261.51	2,253.45	15.62	8.02	-155.70	245.69	58.18	647.68	629.53	18.16	35.672		
2,500.00	2,335.33	2,348.52	2,340.01	16.68	8.36	-156.59	253.66	61.92	693.47	674.53	18.95	36.603		
2,600.00	2,421.45	2,440.51	2,431.48	17.74	8.72	-157.39	262.46	66.17	739.19	719.41	19.78	37.374		
2,700.00	2,507.58	2,529.06	2,519.54	18.81	9.07	-158.08	270.62	70.56	784.64	764.05	20.59	38.117		
2,800.00	2,593.70	2,607.06	2,597.03	19.87	9.38	-158.55	278.81	74.19	830.69	809.38	21.32	38.969		
2,900.00	2,679.83	2,698.43	2,687.91	20.94	9.74	-159.13	287.71	77.02	878.01	855.86	22.15	39.642		
3,000.00	2,765.95	2,793.18	2,782.16	22.01	10.11	-159.68	296.31	81.59	923.71	900.71	23.00	40.155		
3,100.00	2,852.08	2,877.51	2,866.06	23.09	10.44	-160.12	304.09	85.15	970.05	946.27	23.78	40.798		
3,200.00	2,938.20	2,968.51	2,956.58	24.16	10.80	-160.54	312.57	89.08	1,016.37	991.76	24.61	41.307		
3,300.00	3,024.32	3,055.60	3,043.24	25.24	11.14	-160.94	320.36	92.93	1,062.58	1,037.18	25.40	41.834		
3,400.00	3,110.45	3,129.33	3,116.59	26.32	11.42	-161.24	327.09	95.80	1,109.36	1,083.28	26.08	42.534		
3,500.00	3,196.57	3,200.22	3,187.30	27.40	11.69	-161.61	332.13	96.90	1,157.80	1,131.09	26.71	43.339		
3,600.00	3,282.70	3,295.51	3,282.51	28.48	12.03	-162.23	335.72	98.12	1,206.12	1,178.61	27.51	43.845		
3,700.00	3,368.82	3,368.25	3,355.22	29.56	12.28	-162.73	337.51	98.50	1,255.02	1,226.92	28.11	44.651		
3,800.00	3,454.95	3,445.75	3,432.71	30.64	12.53	-163.31	337.86	98.00	1,304.78	1,276.07	28.72	45.439		
3,900.00	3,541.07	3,557.24	3,544.19	31.72	12.88	-164.15	336.83	98.36	1,353.58	1,324.02	29.56	45.794		
4,000.00	3,627.19	3,624.23	3,611.18	32.80	13.09	-164.59	336.57	98.43	1,402.83	1,372.75	30.08	46.629		
4,100.00	3,713.32	3,713.14	3,700.10	33.89	13.38	-165.14	336.59	98.07	1,452.68	1,421.90	30.78	47.194		
4,200.00	3,799.44	3,804.95	3,791.91	34.97	13.69	-165.66	336.75	98.01	1,502.35	1,470.83	31.51	47.673		
4,300.00	3,885.57	3,893.70	3,880.66	36.05	13.98	-166.13	336.76	98.20	1,551.83	1,519.61	32.22	48.158		
4,400.00	3,971.69	3,975.93	3,962.88	37.14	14.25	-166.55	336.56	98.29	1,601.46	1,568.58	32.88	48.712		
4,500.00	4,057.82	4,061.00	4,047.95	38.22	14.52	-166.96	336.43	98.23	1,651.31	1,617.76	33.55	49.219		
4,600.00	4,143.94	4,153.85	4,140.81	39.31	14.83	-167.37	336.64	98.36	1,701.08	1,666.78	34.30	49.594		
4,700.00	4,230.06	4,244.14	4,231.09	40.39	15.14	-167.74	336.85	98.81	1,750.58	1,715.54	35.04	49.962		
4,800.00	4,316.19	4,325.80	4,312.75	41.48	15.41	-168.06	336.92	99.17	1,800.17	1,764.47	35.71	50.413		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
4,900.00	4,402.31	4,410.00	4,396.95	42.57	15.70	-168.37	336.97	99.38	1,849.99	1,813.59	36.40	50.822	
5,000.00	4,488.44	4,494.82	4,481.77	43.65	15.99	-168.67	336.99	99.50	1,899.92	1,862.82	37.10	51.213	
5,100.00	4,574.56	4,575.70	4,562.65	44.74	16.26	-168.94	337.16	99.50	1,950.03	1,912.26	37.77	51.633	
5,200.00	4,660.69	4,664.16	4,651.11	45.83	16.56	-169.22	337.49	99.42	2,000.26	1,961.76	38.50	51.954	
5,300.00	4,746.81	4,749.53	4,736.48	46.91	16.86	-169.47	337.61	99.39	2,050.45	2,011.25	39.21	52.296	
5,400.00	4,832.93	4,834.17	4,821.12	48.00	17.14	-169.72	337.73	99.31	2,100.74	2,060.83	39.91	52.638	
5,500.00	4,919.06	4,921.59	4,908.54	49.09	17.44	-169.96	337.83	99.22	2,151.06	2,110.43	40.63	52.938	
5,600.00	5,005.18	5,008.67	4,995.62	50.17	17.74	-170.19	337.96	99.18	2,201.35	2,159.99	41.36	53.224	
5,700.00	5,091.31	5,098.84	5,085.79	51.26	18.05	-170.41	338.06	99.23	2,251.58	2,209.47	42.11	53.467	
5,800.00	5,177.43	5,186.53	5,173.48	52.35	18.35	-170.63	338.06	99.41	2,301.71	2,258.87	42.84	53.724	
5,900.00	5,263.56	5,268.32	5,255.27	53.44	18.62	-170.82	337.98	99.52	2,351.91	2,308.39	43.52	54.039	
6,000.00	5,349.68	5,346.55	5,333.50	54.53	18.88	-171.00	337.92	99.43	2,402.36	2,358.19	44.17	54.385	
6,100.00	5,435.80	5,443.06	5,430.01	55.61	19.21	-171.19	338.33	99.22	2,452.94	2,407.96	44.98	54.535	
6,200.00	5,521.93	5,532.39	5,519.34	56.70	19.52	-171.37	338.78	99.47	2,503.08	2,457.34	45.73	54.731	
6,300.00	5,608.05	5,616.54	5,603.48	57.79	19.81	-171.53	338.87	99.65	2,553.29	2,506.84	46.45	54.973	
6,400.00	5,694.18	5,700.94	5,687.88	58.88	20.10	-171.69	338.91	99.77	2,603.58	2,556.42	47.16	55.206	
6,479.32	5,762.49	5,768.03	5,754.98	59.74	20.34	-171.81	338.98	99.82	2,643.53	2,595.80	47.73	55.384	
6,500.00	5,780.28	5,785.52	5,772.47	59.97	20.40	-167.19	338.99	99.83	2,653.94	2,606.06	47.88	55.429	
6,550.00	5,822.98	5,827.47	5,814.42	60.51	20.54	-156.50	339.04	99.84	2,678.93	2,630.69	48.23	55.539	
6,600.00	5,865.00	5,868.62	5,855.57	61.05	20.68	-146.72	338.96	99.84	2,703.56	2,654.98	48.58	55.654	
6,650.00	5,906.01	5,903.00	5,889.94	61.57	20.80	-137.95	338.78	99.83	2,727.70	2,678.83	48.86	55.822	
6,700.00	5,945.70	5,941.32	5,928.24	62.08	20.92	-130.32	337.58	99.78	2,751.26	2,702.10	49.16	55.961	
6,750.00	5,983.77	5,971.41	5,958.24	62.56	21.01	-123.64	335.32	99.69	2,774.22	2,724.83	49.39	56.169	
6,800.00	6,019.92	5,991.00	5,977.72	63.02	21.07	-117.71	333.23	99.60	2,796.52	2,746.99	49.53	56.462	
6,850.00	6,053.90	6,022.17	6,008.60	63.45	21.16	-112.78	328.94	99.43	2,818.07	2,768.33	49.74	56.659	
6,900.00	6,085.42	6,042.16	6,028.30	63.86	21.22	-108.35	325.59	99.31	2,838.83	2,788.97	49.86	56.937	
6,950.00	6,114.26	6,058.31	6,044.16	64.23	21.26	-104.46	322.54	99.20	2,858.75	2,808.81	49.95	57.234	
7,000.00	6,140.20	6,080.00	6,065.36	64.58	21.33	-101.22	317.97	99.05	2,877.79	2,827.71	50.07	57.470	
7,050.00	6,163.03	6,080.00	6,065.36	64.89	21.33	-98.01	317.97	99.05	2,895.80	2,845.76	50.05	57.864	
7,100.00	6,182.59	6,080.00	6,065.36	65.17	21.33	-95.22	317.97	99.05	2,912.79	2,862.77	50.02	58.237	
7,150.00	6,198.73	6,080.00	6,065.36	65.42	21.33	-92.84	317.97	99.05	2,928.63	2,878.64	49.99	58.582	
7,200.00	6,211.32	6,080.00	6,065.36	65.65	21.33	-90.83	317.97	99.05	2,943.24	2,893.26	49.98	58.889	
7,250.00	6,220.26	6,080.00	6,065.36	65.84	21.33	-89.18	317.97	99.05	2,956.51	2,906.53	49.98	59.151	
7,300.00	6,225.50	6,080.00	6,065.36	66.01	21.33	-87.88	317.97	99.05	2,968.37	2,918.36	50.01	59.360	
7,344.70	6,227.00	6,080.00	6,065.36	66.14	21.33	-87.00	317.97	99.05	2,977.71	2,927.66	50.05	59.496	
7,400.00	6,227.00	6,080.00	6,065.36	66.29	21.33	-87.00	317.97	99.05	2,989.00	2,938.87	50.13	59.626	
7,500.00	6,227.00	6,080.00	6,065.36	66.58	21.33	-87.00	317.97	99.05	3,011.90	2,961.56	50.33	59.838	
7,600.00	6,227.00	6,052.25	6,038.22	66.90	21.25	-86.47	323.72	99.25	3,037.65	2,987.29	50.36	60.322	
7,700.00	6,227.00	6,043.58	6,029.70	67.24	21.22	-86.31	325.33	99.30	3,066.50	3,015.89	50.61	60.596	
7,800.00	6,227.00	6,035.79	6,022.03	67.61	21.20	-86.16	326.71	99.35	3,098.25	3,047.34	50.91	60.855	
7,900.00	6,227.00	6,028.74	6,015.08	68.00	21.18	-86.02	327.89	99.40	3,132.84	3,081.57	51.27	61.104	
8,000.00	6,227.00	6,022.34	6,008.76	68.43	21.16	-85.90	328.91	99.43	3,170.17	3,118.50	51.67	61.350	
8,100.00	6,227.00	5,991.00	5,977.72	68.88	21.07	-85.29	333.23	99.60	3,210.43	3,158.56	51.87	61.892	
8,200.00	6,227.00	5,991.00	5,977.72	69.36	21.07	-85.29	333.23	99.60	3,252.87	3,200.48	52.39	62.087	
8,300.00	6,227.00	5,991.00	5,977.72	69.88	21.07	-85.29	333.23	99.60	3,297.81	3,244.88	52.93	62.303	
8,400.00	6,227.00	5,991.00	5,977.72	70.43	21.07	-85.29	333.23	99.60	3,345.13	3,291.64	53.48	62.544	
8,500.00	6,227.00	5,991.00	5,977.72	71.00	21.07	-85.29	333.23	99.60	3,394.73	3,340.69	54.05	62.813	
8,600.00	6,227.00	5,991.00	5,977.72	71.62	21.07	-85.29	333.23	99.60	3,446.53	3,391.92	54.61	63.112	
8,700.00	6,227.00	5,991.00	5,977.72	72.26	21.07	-85.29	333.23	99.60	3,500.41	3,445.24	55.17	63.443	
8,800.00	6,227.00	5,991.00	5,977.72	72.94	21.07	-85.29	333.23	99.60	3,556.30	3,500.56	55.73	63.807	
8,900.00	6,227.00	5,991.00	5,977.72	73.66	21.07	-85.29	333.23	99.60	3,614.08	3,557.79	56.29	64.205	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,000.00	6,227.00	5,991.00	5,977.72	74.41	21.07	-85.29	333.23	99.60	3,673.68	3,616.84	56.84	64.637	
9,100.00	6,227.00	5,991.00	5,977.72	75.19	21.07	-85.29	333.23	99.60	3,735.00	3,677.63	57.37	65.102	
9,200.00	6,227.00	5,991.00	5,977.72	76.01	21.07	-85.29	333.23	99.60	3,797.97	3,740.08	57.90	65.600	
9,300.00	6,227.00	5,991.00	5,977.72	76.86	21.07	-85.29	333.23	99.60	3,862.50	3,804.10	58.41	66.130	
9,400.00	6,227.00	5,991.00	5,977.72	77.75	21.07	-85.29	333.23	99.60	3,928.52	3,869.62	58.91	66.692	
9,500.00	6,227.00	5,991.00	5,977.72	78.67	21.07	-85.29	333.23	99.60	3,995.95	3,936.56	59.39	67.284	
9,600.00	6,227.00	5,991.00	5,977.72	79.63	21.07	-85.29	333.23	99.60	4,064.72	4,004.86	59.86	67.905	
9,700.00	6,227.00	5,991.00	5,977.72	80.62	21.07	-85.29	333.23	99.60	4,134.77	4,074.45	60.31	68.554	
9,800.00	6,227.00	5,991.00	5,977.72	81.64	21.07	-85.29	333.23	99.60	4,206.02	4,145.27	60.75	69.230	
9,900.00	6,227.00	5,991.00	5,977.72	82.69	21.07	-85.29	333.23	99.60	4,278.43	4,217.25	61.18	69.932	
10,000.00	6,227.00	5,991.00	5,977.72	83.77	21.07	-85.29	333.23	99.60	4,351.93	4,290.34	61.59	70.658	
10,100.00	6,227.00	5,991.00	5,977.72	84.88	21.07	-85.29	333.23	99.60	4,426.47	4,364.49	61.99	71.408	
10,200.00	6,227.00	5,991.00	5,977.72	86.02	21.07	-85.29	333.23	99.60	4,502.00	4,439.63	62.37	72.180	
10,300.00	6,227.00	5,991.00	5,977.72	87.19	21.07	-85.29	333.23	99.60	4,578.47	4,515.72	62.74	72.973	
10,400.00	6,227.00	5,991.00	5,977.72	88.38	21.07	-85.29	333.23	99.60	4,655.82	4,592.72	63.10	73.786	
10,500.00	6,227.00	5,954.05	5,940.95	89.60	20.96	-84.57	336.76	99.74	4,733.18	4,670.00	63.18	74.918	
10,600.00	6,227.00	5,952.85	5,939.75	90.84	20.95	-84.55	336.85	99.75	4,812.13	4,748.63	63.50	75.776	
10,700.00	6,227.00	5,951.71	5,938.61	92.11	20.95	-84.53	336.93	99.75	4,891.85	4,828.03	63.82	76.650	
10,800.00	6,227.00	5,950.61	5,937.51	93.39	20.95	-84.51	337.00	99.75	4,972.30	4,908.18	64.13	77.540	
10,900.00	6,227.00	5,949.55	5,936.45	94.70	20.94	-84.48	337.07	99.76	5,053.45	4,989.03	64.42	78.445	
11,000.00	6,227.00	5,948.53	5,935.44	96.03	20.94	-84.46	337.14	99.76	5,135.26	5,070.56	64.70	79.365	
11,100.00	6,227.00	5,947.55	5,934.46	97.37	20.94	-84.45	337.20	99.76	5,217.71	5,152.73	64.98	80.298	
11,200.00	6,227.00	5,946.61	5,933.53	98.74	20.93	-84.43	337.26	99.77	5,300.76	5,235.51	65.24	81.244	
11,300.00	6,227.00	5,945.71	5,932.62	100.12	20.93	-84.41	337.32	99.77	5,384.38	5,318.88	65.50	82.203	
11,400.00	6,227.00	5,944.83	5,931.75	101.51	20.93	-84.39	337.37	99.77	5,468.55	5,402.80	65.75	83.173	
11,500.00	6,227.00	5,943.99	5,930.91	102.92	20.93	-84.38	337.42	99.77	5,553.25	5,487.26	65.99	84.154	
11,600.00	6,227.00	5,943.18	5,930.10	104.35	20.92	-84.36	337.47	99.77	5,638.45	5,572.23	66.22	85.145	
11,700.00	6,227.00	5,942.40	5,929.32	105.79	20.92	-84.35	337.52	99.78	5,724.12	5,657.68	66.45	86.146	
11,800.00	6,227.00	5,941.64	5,928.56	107.24	20.92	-84.33	337.56	99.78	5,810.25	5,743.59	66.66	87.157	
11,900.00	6,227.00	5,903.00	5,889.94	108.71	20.80	-83.58	338.78	99.83	5,897.76	5,831.12	66.64	88.500	
12,000.00	6,227.00	5,903.00	5,889.94	110.19	20.80	-83.58	338.78	99.83	5,984.71	5,917.86	66.85	89.522	
12,100.00	6,227.00	5,903.00	5,889.94	111.68	20.80	-83.58	338.78	99.83	6,072.07	6,005.01	67.06	90.551	
12,200.00	6,227.00	5,903.00	5,889.94	113.18	20.80	-83.58	338.78	99.83	6,159.81	6,092.55	67.26	91.589	
12,300.00	6,227.00	5,903.00	5,889.94	114.68	20.80	-83.58	338.78	99.83	6,247.92	6,180.47	67.45	92.634	
12,400.00	6,227.00	5,903.00	5,889.94	116.20	20.80	-83.58	338.78	99.83	6,336.38	6,268.74	67.63	93.685	
12,500.00	6,227.00	5,903.00	5,889.94	117.73	20.80	-83.58	338.78	99.83	6,425.18	6,357.36	67.82	94.744	
12,600.00	6,227.00	5,903.00	5,889.94	119.27	20.80	-83.58	338.78	99.83	6,514.30	6,446.31	67.99	95.809	
12,700.00	6,227.00	5,903.00	5,889.94	120.81	20.80	-83.58	338.78	99.83	6,603.74	6,535.58	68.16	96.879	
12,800.00	6,227.00	5,903.00	5,889.94	122.37	20.80	-83.58	338.78	99.83	6,693.48	6,625.14	68.33	97.956	
12,900.00	6,227.00	5,903.00	5,889.94	123.93	20.80	-83.58	338.78	99.83	6,783.50	6,715.00	68.49	99.037	
13,000.00	6,227.00	5,903.00	5,889.94	125.49	20.80	-83.58	338.78	99.83	6,873.80	6,805.14	68.65	100.124	
13,100.00	6,227.00	5,903.00	5,889.94	127.07	20.80	-83.58	338.78	99.83	6,964.36	6,895.55	68.81	101.215	
13,200.00	6,227.00	5,903.00	5,889.94	128.65	20.80	-83.58	338.78	99.83	7,055.18	6,986.22	68.96	102.311	
13,300.00	6,227.00	5,903.00	5,889.94	130.24	20.80	-83.58	338.78	99.83	7,146.24	7,077.14	69.11	103.411	
13,400.00	6,227.00	5,903.00	5,889.94	131.83	20.80	-83.58	338.78	99.83	7,237.54	7,168.29	69.25	104.515	
13,500.00	6,227.00	5,903.00	5,889.94	133.43	20.80	-83.58	338.78	99.83	7,329.07	7,259.68	69.39	105.623	
13,600.00	6,227.00	5,903.00	5,889.94	135.03	20.80	-83.58	338.78	99.83	7,420.81	7,351.29	69.53	106.734	
13,700.00	6,227.00	5,903.00	5,889.94	136.64	20.80	-83.58	338.78	99.83	7,512.77	7,443.11	69.66	107.849	
13,800.00	6,227.00	5,903.00	5,889.94	138.25	20.80	-83.58	338.78	99.83	7,604.93	7,535.14	69.79	108.967	
13,900.00	6,227.00	5,903.00	5,889.94	139.87	20.80	-83.58	338.78	99.83	7,697.28	7,627.36	69.92	110.087	
14,000.00	6,227.00	5,903.00	5,889.94	141.50	20.80	-83.58	338.78	99.83	7,789.83	7,719.78	70.05	111.211	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 11-36-1XRLC - 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	
14,100.00	6,227.00	5,903.00	5,889.94	143.12	20.80	-83.58	338.78	99.83	7,882.55	7,812.38	70.17	112.337	
14,200.00	6,227.00	5,903.00	5,889.94	144.76	20.80	-83.58	338.78	99.83	7,975.45	7,905.16	70.29	113.466	
14,300.00	6,227.00	5,903.00	5,889.94	146.39	20.80	-83.58	338.78	99.83	8,068.52	7,998.11	70.41	114.596	
14,400.00	6,227.00	5,903.00	5,889.94	148.03	20.80	-83.58	338.78	99.83	8,161.76	8,091.23	70.52	115.729	
14,500.00	6,227.00	5,903.00	5,889.94	149.67	20.80	-83.58	338.78	99.83	8,255.15	8,184.51	70.64	116.864	
14,600.00	6,227.00	5,903.00	5,889.94	151.32	20.80	-83.58	338.78	99.83	8,348.70	8,277.95	70.75	118.001	
14,700.00	6,227.00	5,903.00	5,889.94	152.97	20.80	-83.58	338.78	99.83	8,442.39	8,371.53	70.86	119.139	
14,800.00	6,227.00	5,903.00	5,889.94	154.62	20.80	-83.58	338.78	99.83	8,536.23	8,465.26	70.97	120.279	
14,900.00	6,227.00	5,903.00	5,889.94	156.28	20.80	-83.58	338.78	99.83	8,630.21	8,559.13	71.08	121.420	
15,000.00	6,227.00	5,903.00	5,889.94	157.94	20.80	-83.58	338.78	99.83	8,724.31	8,653.13	71.18	122.563	
15,100.00	6,227.00	5,903.00	5,889.94	159.60	20.80	-83.58	338.78	99.83	8,818.55	8,747.27	71.29	123.706	
15,200.00	6,227.00	5,903.00	5,889.94	161.27	20.80	-83.58	338.78	99.83	8,912.92	8,841.53	71.39	124.851	
15,300.00	6,227.00	5,903.00	5,889.94	162.94	20.80	-83.58	338.78	99.83	9,007.41	8,935.92	71.49	125.997	
15,400.00	6,227.00	5,903.00	5,889.94	164.61	20.80	-83.58	338.78	99.83	9,102.01	9,030.42	71.59	127.144	
15,500.00	6,227.00	5,903.00	5,889.94	166.28	20.80	-83.58	338.78	99.83	9,196.73	9,125.04	71.69	128.291	
15,600.00	6,227.00	5,903.00	5,889.94	167.95	20.80	-83.58	338.78	99.83	9,291.56	9,219.77	71.78	129.439	
15,700.00	6,227.00	5,903.00	5,889.94	169.63	20.80	-83.58	338.78	99.83	9,386.49	9,314.62	71.88	130.588	
15,800.00	6,227.00	5,903.00	5,889.94	171.31	20.80	-83.58	338.78	99.83	9,481.53	9,409.56	71.97	131.737	
15,900.00	6,227.00	5,903.00	5,889.94	172.99	20.80	-83.58	338.78	99.83	9,576.68	9,504.61	72.07	132.887	
16,000.00	6,227.00	5,903.00	5,889.94	174.68	20.80	-83.58	338.78	99.83	9,671.92	9,599.76	72.16	134.037	
16,100.00	6,227.00	5,903.00	5,889.94	176.36	20.80	-83.58	338.78	99.83	9,767.25	9,695.00	72.25	135.187	
16,200.00	6,227.00	5,903.00	5,889.94	178.05	20.80	-83.58	338.78	99.83	9,862.68	9,790.34	72.34	136.337	
16,300.00	6,227.00	5,903.00	5,889.94	179.74	20.80	-83.58	338.78	99.83	9,958.20	9,885.77	72.43	137.488	
16,400.00	6,227.00	5,903.00	5,889.94	181.43	20.80	-83.58	338.78	99.83	10,053.80	9,981.28	72.52	138.638	

## Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	-60.87	67.40	-120.95	138.75				
100.00	100.00	91.17	91.17	0.27	0.16	-60.85	67.42	-120.87	138.40	137.97	0.43	324.105	
200.00	200.00	191.36	191.36	0.63	0.33	-60.77	67.49	-120.61	138.21	137.25	0.96	144.074	
300.00	300.00	291.55	291.54	0.99	0.51	-60.64	67.60	-120.17	137.88	136.39	1.49	92.443	
314.95	314.95	306.52	306.52	1.04	0.53	-144.00	67.62	-120.09	137.85	136.28	1.57	87.794 CC, ES	
400.00	399.98	391.72	391.72	1.34	0.68	-144.25	67.77	-119.55	138.83	136.82	2.02	68.825	
500.00	499.84	491.81	491.81	1.69	0.85	-145.20	67.98	-118.74	142.50	139.96	2.54	56.028	
600.00	599.45	591.58	591.57	2.06	1.14	-146.78	68.24	-117.79	149.01	145.81	3.19	46.657	
700.00	698.70	690.96	690.94	2.44	1.50	-148.83	68.55	-116.80	158.58	154.67	3.92	40.497	
800.00	797.47	789.74	789.72	2.85	1.86	-151.16	68.90	-115.82	171.41	166.77	4.64	36.925	
900.00	895.62	887.86	887.83	3.29	2.21	-153.63	69.21	-114.98	187.70	182.33	5.37	34.947	
1,000.00	993.06	985.81	985.78	3.76	2.56	-156.06	69.53	-114.15	207.47	201.36	6.10	33.991	
1,100.00	1,089.64	1,083.22	1,083.18	4.27	2.91	-158.33	69.91	-113.07	230.51	223.67	6.84	33.709 SF	
1,200.00	1,185.27	1,172.51	1,172.47	4.83	3.22	-160.24	70.45	-112.87	257.95	250.42	7.53	34.245	
1,300.00	1,279.82	1,257.13	1,257.04	5.45	3.50	-161.92	71.25	-115.36	291.85	283.66	8.19	35.633	
1,400.00	1,373.17	1,338.98	1,338.73	6.12	3.77	-163.42	72.06	-120.41	332.09	323.27	8.83	37.626	
1,500.00	1,465.21	1,419.60	1,419.03	6.85	4.05	-164.59	73.71	-127.42	378.00	368.54	9.46	39.971	
1,600.00	1,555.84	1,497.62	1,496.59	7.65	4.32	-165.42	76.37	-135.46	428.59	418.51	10.08	42.531	
1,700.00	1,644.94	1,569.00	1,567.31	8.51	4.58	-166.05	78.94	-144.70	484.37	473.72	10.66	45.459	
1,800.00	1,732.39	1,630.88	1,628.37	9.45	4.81	-166.51	81.01	-154.51	545.36	534.20	11.16	48.853	
1,827.18	1,755.86	1,647.50	1,644.72	9.72	4.88	-166.63	81.54	-157.44	562.79	551.49	11.30	49.783	
1,900.00	1,818.58	1,696.24	1,692.59	10.44	5.07	-167.26	82.88	-166.54	610.38	598.68	11.70	52.171	
2,000.00	1,904.71	1,767.57	1,762.54	11.46	5.35	-168.19	83.56	-180.49	676.40	664.12	12.28	55.095	
2,100.00	1,990.83	1,848.93	1,842.38	12.49	5.68	-169.10	83.95	-196.10	742.24	729.29	12.94	57.346	
2,200.00	2,076.96	1,922.40	1,914.53	13.53	5.99	-169.80	84.14	-209.98	807.91	794.36	13.55	59.627	
2,300.00	2,163.08	1,993.21	1,984.02	14.57	6.29	-170.41	83.91	-223.58	873.89	859.75	14.14	61.814	
2,400.00	2,249.21	2,078.52	2,067.72	15.62	6.66	-171.06	83.42	-240.06	940.04	925.19	14.85	63.299	
2,500.00	2,335.33	2,166.11	2,153.98	16.68	7.03	-171.59	83.32	-255.24	1,004.64	989.05	15.59	64.455	
2,600.00	2,421.45	2,241.81	2,228.54	17.74	7.36	-172.00	83.17	-268.39	1,069.33	1,053.10	16.23	65.896	
2,700.00	2,507.58	2,331.24	2,316.74	18.81	7.74	-172.46	82.57	-283.14	1,133.37	1,116.39	16.98	66.739	
2,800.00	2,593.70	2,407.16	2,391.67	19.87	8.07	-172.83	81.59	-295.33	1,197.13	1,179.50	17.63	67.910	
2,900.00	2,679.83	2,480.84	2,464.36	20.94	8.38	-173.17	80.29	-307.28	1,261.04	1,242.79	18.26	69.069	
3,000.00	2,765.95	2,564.83	2,547.23	22.01	8.75	-173.52	78.85	-320.85	1,324.95	1,305.97	18.97	69.832	
3,100.00	2,852.08	2,642.93	2,624.37	23.09	9.08	-173.78	78.22	-333.07	1,388.44	1,368.79	19.64	70.677	
3,200.00	2,938.20	2,717.79	2,698.27	24.16	9.41	-174.00	77.79	-344.95	1,452.11	1,431.82	20.29	71.561	
3,300.00	3,024.32	2,797.50	2,776.98	25.24	9.76	-174.21	77.22	-357.56	1,515.77	1,494.79	20.98	72.247	
3,400.00	3,110.45	2,879.61	2,858.09	26.32	10.11	-174.43	76.42	-370.31	1,579.21	1,557.52	21.69	72.811	
3,500.00	3,196.57	2,957.10	2,934.66	27.40	10.45	-174.63	75.30	-382.21	1,642.55	1,620.19	22.36	73.456	
3,600.00	3,282.70	3,025.12	3,001.84	28.48	10.75	-174.80	74.21	-392.80	1,706.08	1,683.12	22.96	74.315	
3,700.00	3,368.82	3,091.59	3,067.42	29.56	11.04	-174.95	73.45	-403.57	1,770.08	1,746.54	23.54	75.188	
3,800.00	3,454.95	3,159.26	3,134.13	30.64	11.34	-175.07	73.03	-414.93	1,834.53	1,810.39	24.14	76.000	
3,900.00	3,541.07	3,238.73	3,212.44	31.72	11.70	-175.16	73.47	-428.41	1,899.08	1,874.24	24.84	76.462	
4,000.00	3,627.19	3,326.94	3,299.42	32.80	12.09	-175.23	74.79	-443.09	1,963.34	1,937.73	25.61	76.664	
4,100.00	3,713.32	3,465.54	3,436.47	33.89	12.69	-175.41	74.81	-463.59	2,026.26	1,999.48	26.78	75.650	
4,200.00	3,799.44	3,806.43	3,776.23	34.97	13.95	-175.97	69.92	-487.27	2,083.16	2,053.84	29.32	71.041	
4,300.00	3,885.57	3,897.32	3,867.11	36.05	14.23	-176.05	70.60	-487.91	2,134.46	2,104.38	30.08	70.956	
4,400.00	3,971.69	3,992.89	3,962.69	37.14	14.53	-176.15	70.73	-488.13	2,185.39	2,154.52	30.87	70.794	
4,500.00	4,057.82	4,068.95	4,038.74	38.22	14.77	-176.23	70.69	-488.31	2,236.33	2,204.79	31.54	70.911	
4,600.00	4,143.94	4,145.01	4,114.80	39.31	15.01	-176.30	70.81	-488.82	2,287.64	2,255.43	32.20	71.035	
4,700.00	4,230.06	4,226.75	4,196.53	40.39	15.28	-176.36	71.11	-489.69	2,339.26	2,306.35	32.91	71.079	
4,800.00	4,316.19	4,313.94	4,283.72	41.48	15.57	-176.43	71.55	-490.60	2,390.88	2,357.22	33.66	71.039	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
4,900.00	4,402.31	4,397.66	4,367.44	42.57	15.85	-176.48	72.09	-491.45	2,442.46	2,408.08	34.38	71.046	
5,000.00	4,488.44	4,474.48	4,444.24	43.65	16.10	-176.53	72.68	-492.44	2,494.27	2,459.22	35.06	71.150	
5,100.00	4,574.56	4,550.97	4,520.72	44.74	16.36	-176.57	73.34	-493.69	2,546.38	2,510.65	35.73	71.263	
5,200.00	4,660.69	4,630.71	4,600.45	45.83	16.63	-176.61	74.06	-495.24	2,598.74	2,562.31	36.43	71.334	
5,300.00	4,746.81	4,710.80	4,680.52	46.91	16.91	-176.66	74.70	-496.94	2,651.27	2,614.14	37.13	71.402	
5,400.00	4,832.93	4,796.41	4,766.10	48.00	17.20	-176.70	75.39	-498.88	2,703.91	2,666.04	37.87	71.398	
5,500.00	4,919.06	4,887.94	4,857.60	49.09	17.51	-176.73	76.72	-500.82	2,756.40	2,717.75	38.65	71.312	
5,600.00	5,005.18	4,975.90	4,945.53	50.17	17.81	-176.74	78.65	-502.55	2,808.71	2,769.30	39.41	71.269	
5,700.00	5,091.31	5,137.45	5,107.02	51.26	18.35	-176.77	81.81	-504.38	2,860.74	2,820.08	40.66	70.364	
5,800.00	5,177.43	5,229.33	5,198.90	52.35	18.64	-176.83	82.18	-503.60	2,910.74	2,869.32	41.42	70.273	
5,900.00	5,263.56	5,326.41	5,295.97	53.44	18.94	-176.88	82.66	-502.44	2,960.45	2,918.23	42.22	70.120	
6,000.00	5,349.68	5,410.66	5,380.20	54.53	19.21	-176.92	83.18	-501.34	3,010.05	2,967.11	42.94	70.100	
6,100.00	5,435.80	5,495.53	5,465.07	55.61	19.47	-176.96	83.85	-500.30	3,059.71	3,016.04	43.66	70.075	
6,200.00	5,521.93	5,575.95	5,545.47	56.70	19.73	-176.99	84.61	-499.41	3,109.47	3,065.11	44.36	70.096	
6,300.00	5,608.05	5,657.86	5,627.39	57.79	19.99	-177.02	85.24	-498.67	3,159.41	3,114.34	45.07	70.105	
6,400.00	5,694.18	5,724.36	5,693.88	58.88	20.20	-177.07	84.74	-498.13	3,209.56	3,163.89	45.67	70.278	
6,479.32	5,762.49	5,771.95	5,741.37	59.74	20.35	-177.15	81.93	-498.02	3,249.93	3,203.82	46.11	70.486	
6,500.00	5,780.28	5,788.83	5,758.18	59.97	20.41	-172.51	80.31	-497.96	3,260.51	3,214.26	46.25	70.496	
6,550.00	5,822.98	5,818.91	5,788.03	60.51	20.50	-161.67	76.63	-497.85	3,286.25	3,239.72	46.52	70.635	
6,600.00	5,865.00	5,845.65	5,814.44	61.05	20.59	-151.61	72.47	-497.80	3,312.13	3,265.36	46.77	70.812	
6,650.00	5,906.01	5,870.40	5,838.76	61.57	20.66	-142.49	67.89	-497.78	3,338.02	3,291.01	47.01	71.013	
6,700.00	5,945.70	5,890.00	5,857.93	62.08	20.73	-134.31	63.77	-497.79	3,363.77	3,316.57	47.20	71.268	
6,750.00	5,983.77	5,890.00	5,857.93	62.56	20.73	-126.80	63.77	-497.79	3,389.37	3,342.12	47.25	71.728	
6,800.00	6,019.92	5,890.00	5,857.93	63.02	20.73	-120.10	63.77	-497.79	3,414.72	3,367.42	47.30	72.195	
6,850.00	6,053.90	5,927.24	5,894.11	63.45	20.85	-114.75	54.95	-498.06	3,439.14	3,391.54	47.60	72.255	
6,900.00	6,085.42	5,935.89	5,902.47	63.86	20.87	-109.64	52.74	-498.19	3,463.17	3,415.48	47.69	72.615	
6,950.00	6,114.26	5,942.95	5,909.28	64.23	20.90	-105.12	50.90	-498.31	3,486.42	3,438.65	47.77	72.982	
7,000.00	6,140.20	5,948.42	5,914.55	64.58	20.91	-101.12	49.44	-498.42	3,508.75	3,460.91	47.84	73.350	
7,050.00	6,163.03	5,952.33	5,918.32	64.89	20.93	-97.60	48.38	-498.50	3,530.03	3,482.14	47.89	73.713	
7,100.00	6,182.59	5,954.74	5,920.63	65.17	20.93	-94.52	47.72	-498.55	3,550.12	3,502.19	47.93	74.065	
7,150.00	6,198.73	5,985.00	5,949.61	65.42	21.03	-92.36	39.06	-499.37	3,569.24	3,521.05	48.19	74.069	
7,200.00	6,211.32	5,985.00	5,949.61	65.65	21.03	-90.08	39.06	-499.37	3,586.62	3,538.39	48.23	74.364	
7,250.00	6,220.26	5,953.50	5,919.44	65.84	20.93	-87.67	48.06	-498.52	3,602.10	3,554.06	48.05	74.971	
7,300.00	6,225.50	5,950.50	5,916.55	66.01	20.92	-86.12	48.88	-498.46	3,616.29	3,568.20	48.09	75.194	
7,344.70	6,227.00	5,946.81	5,913.00	66.14	20.91	-85.04	49.87	-498.38	3,627.50	3,579.36	48.14	75.349	
7,400.00	6,227.00	5,941.76	5,908.14	66.29	20.89	-84.96	51.21	-498.29	3,640.87	3,592.65	48.22	75.500	
7,500.00	6,227.00	5,933.02	5,899.70	66.58	20.86	-84.82	53.49	-498.14	3,667.00	3,618.58	48.42	75.733	
7,600.00	6,227.00	5,924.73	5,891.68	66.90	20.84	-84.69	55.58	-498.03	3,695.59	3,646.92	48.67	75.928	
7,700.00	6,227.00	5,890.00	5,857.93	67.24	20.73	-84.15	63.77	-497.79	3,726.90	3,678.15	48.75	76.444	
7,800.00	6,227.00	5,890.00	5,857.93	67.61	20.73	-84.15	63.77	-497.79	3,760.11	3,710.95	49.16	76.482	
7,900.00	6,227.00	5,890.00	5,857.93	68.00	20.73	-84.15	63.77	-497.79	3,795.66	3,746.05	49.61	76.509	
8,000.00	6,227.00	5,890.00	5,857.93	68.43	20.73	-84.15	63.77	-497.79	3,833.50	3,783.41	50.09	76.531	
8,100.00	6,227.00	5,890.00	5,857.93	68.88	20.73	-84.15	63.77	-497.79	3,873.55	3,822.95	50.60	76.555	
8,200.00	6,227.00	5,890.00	5,857.93	69.36	20.73	-84.15	63.77	-497.79	3,915.74	3,864.61	51.13	76.589	
8,300.00	6,227.00	5,890.00	5,857.93	69.88	20.73	-84.15	63.77	-497.79	3,960.01	3,908.33	51.67	76.637	
8,400.00	6,227.00	5,890.00	5,857.93	70.43	20.73	-84.15	63.77	-497.79	4,006.28	3,954.05	52.23	76.703	
8,500.00	6,227.00	5,890.00	5,857.93	71.00	20.73	-84.15	63.77	-497.79	4,054.50	4,001.70	52.80	76.792	
8,600.00	6,227.00	5,890.00	5,857.93	71.62	20.73	-84.15	63.77	-497.79	4,104.58	4,051.21	53.37	76.907	
8,700.00	6,227.00	5,853.95	5,822.62	72.26	20.61	-83.58	71.02	-497.79	4,155.88	4,102.22	53.66	77.447	
8,800.00	6,227.00	5,849.32	5,818.06	72.94	20.60	-83.50	71.84	-497.79	4,209.33	4,155.13	54.20	77.659	
8,900.00	6,227.00	5,844.95	5,813.76	73.66	20.58	-83.43	72.59	-497.80	4,264.44	4,209.69	54.74	77.898	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,000.00	6,227.00	5,840.83	5,809.69	74.41	20.57	-83.37	73.28	-497.80	4,321.14	4,265.85	55.28	78.164	
9,100.00	6,227.00	5,836.93	5,805.85	75.19	20.56	-83.31	73.92	-497.81	4,379.37	4,323.55	55.82	78.458	
9,200.00	6,227.00	5,833.24	5,802.20	76.01	20.55	-83.25	74.50	-497.82	4,439.08	4,382.74	56.35	78.781	
9,300.00	6,227.00	5,795.00	5,764.31	76.86	20.43	-82.64	79.64	-497.94	4,500.81	4,444.20	56.61	79.506	
9,400.00	6,227.00	5,795.00	5,764.31	77.75	20.43	-82.64	79.64	-497.94	4,563.20	4,506.05	57.15	79.843	
9,500.00	6,227.00	5,795.00	5,764.31	78.67	20.43	-82.64	79.64	-497.94	4,626.90	4,569.22	57.68	80.213	
9,600.00	6,227.00	5,795.00	5,764.31	79.63	20.43	-82.64	79.64	-497.94	4,691.88	4,633.68	58.20	80.613	
9,700.00	6,227.00	5,795.00	5,764.31	80.62	20.43	-82.64	79.64	-497.94	4,758.07	4,699.36	58.71	81.043	
9,800.00	6,227.00	5,795.00	5,764.31	81.64	20.43	-82.64	79.64	-497.94	4,825.42	4,766.21	59.21	81.503	
9,900.00	6,227.00	5,795.00	5,764.31	82.69	20.43	-82.64	79.64	-497.94	4,893.89	4,834.20	59.69	81.991	
10,000.00	6,227.00	5,795.00	5,764.31	83.77	20.43	-82.64	79.64	-497.94	4,963.43	4,903.27	60.16	82.506	
10,100.00	6,227.00	5,795.00	5,764.31	84.88	20.43	-82.64	79.64	-497.94	5,033.99	4,973.38	60.62	83.048	
10,200.00	6,227.00	5,795.00	5,764.31	86.02	20.43	-82.64	79.64	-497.94	5,105.54	5,044.48	61.06	83.615	
10,300.00	6,227.00	5,795.00	5,764.31	87.19	20.43	-82.64	79.64	-497.94	5,178.03	5,116.54	61.49	84.206	
10,400.00	6,227.00	5,795.00	5,764.31	88.38	20.43	-82.64	79.64	-497.94	5,251.43	5,189.52	61.91	84.820	
10,500.00	6,227.00	5,795.00	5,764.31	89.60	20.43	-82.64	79.64	-497.94	5,325.69	5,263.37	62.32	85.456	
10,600.00	6,227.00	5,795.00	5,764.31	90.84	20.43	-82.64	79.64	-497.94	5,400.78	5,338.07	62.72	86.114	
10,700.00	6,227.00	5,795.00	5,764.31	92.11	20.43	-82.64	79.64	-497.94	5,476.67	5,413.57	63.10	86.792	
10,800.00	6,227.00	5,795.00	5,764.31	93.39	20.43	-82.64	79.64	-497.94	5,553.32	5,489.85	63.47	87.489	
10,900.00	6,227.00	5,795.00	5,764.31	94.70	20.43	-82.64	79.64	-497.94	5,630.71	5,566.87	63.84	88.205	
11,000.00	6,227.00	5,795.00	5,764.31	96.03	20.43	-82.64	79.64	-497.94	5,708.80	5,644.61	64.19	88.939	
11,100.00	6,227.00	5,795.00	5,764.31	97.37	20.43	-82.64	79.64	-497.94	5,787.56	5,723.03	64.53	89.690	
11,200.00	6,227.00	5,795.00	5,764.31	98.74	20.43	-82.64	79.64	-497.94	5,866.97	5,802.11	64.86	90.457	
11,300.00	6,227.00	5,795.00	5,764.31	100.12	20.43	-82.64	79.64	-497.94	5,947.00	5,881.82	65.18	91.239	
11,400.00	6,227.00	5,795.00	5,764.31	101.51	20.43	-82.64	79.64	-497.94	6,027.62	5,962.13	65.49	92.036	
11,500.00	6,227.00	5,795.00	5,764.31	102.92	20.43	-82.64	79.64	-497.94	6,108.82	6,043.03	65.79	92.847	
11,600.00	6,227.00	5,795.00	5,764.31	104.35	20.43	-82.64	79.64	-497.94	6,190.57	6,124.48	66.09	93.671	
11,700.00	6,227.00	5,795.00	5,764.31	105.79	20.43	-82.64	79.64	-497.94	6,272.85	6,206.48	66.37	94.508	
11,800.00	6,227.00	5,795.00	5,764.31	107.24	20.43	-82.64	79.64	-497.94	6,355.64	6,288.99	66.65	95.357	
11,900.00	6,227.00	5,775.17	5,744.58	108.71	20.36	-82.32	81.65	-498.01	6,438.70	6,371.89	66.81	96.373	
12,000.00	6,227.00	5,773.88	5,743.30	110.19	20.36	-82.30	81.76	-498.01	6,522.42	6,455.35	67.07	97.254	
12,100.00	6,227.00	5,772.64	5,742.07	111.68	20.36	-82.28	81.87	-498.01	6,606.59	6,539.27	67.31	98.145	
12,200.00	6,227.00	5,771.44	5,740.87	113.18	20.35	-82.26	81.97	-498.02	6,691.19	6,623.63	67.56	99.046	
12,300.00	6,227.00	5,770.28	5,739.71	114.68	20.35	-82.25	82.07	-498.02	6,776.21	6,708.42	67.79	99.956	
12,400.00	6,227.00	5,769.15	5,738.59	116.20	20.34	-82.23	82.17	-498.02	6,861.63	6,793.61	68.02	100.875	
12,500.00	6,227.00	5,749.00	5,718.49	117.73	20.28	-81.91	83.61	-498.06	6,947.64	6,879.50	68.14	101.958	
12,600.00	6,227.00	5,749.00	5,718.49	119.27	20.28	-81.91	83.61	-498.06	7,033.80	6,965.44	68.37	102.885	
12,700.00	6,227.00	5,749.00	5,718.49	120.81	20.28	-81.91	83.61	-498.06	7,120.33	7,051.74	68.58	103.819	
12,800.00	6,227.00	5,749.00	5,718.49	122.37	20.28	-81.91	83.61	-498.06	7,207.20	7,138.40	68.80	104.761	
12,900.00	6,227.00	5,749.00	5,718.49	123.93	20.28	-81.91	83.61	-498.06	7,294.41	7,225.41	69.00	105.710	
13,000.00	6,227.00	5,749.00	5,718.49	125.49	20.28	-81.91	83.61	-498.06	7,381.94	7,312.74	69.21	106.666	
13,100.00	6,227.00	5,749.00	5,718.49	127.07	20.28	-81.91	83.61	-498.06	7,469.79	7,400.39	69.40	107.629	
13,200.00	6,227.00	5,749.00	5,718.49	128.65	20.28	-81.91	83.61	-498.06	7,557.94	7,488.35	69.60	108.598	
13,300.00	6,227.00	5,749.00	5,718.49	130.24	20.28	-81.91	83.61	-498.06	7,646.38	7,576.60	69.78	109.573	
13,400.00	6,227.00	5,749.00	5,718.49	131.83	20.28	-81.91	83.61	-498.06	7,735.10	7,665.14	69.97	110.554	
13,500.00	6,227.00	5,749.00	5,718.49	133.43	20.28	-81.91	83.61	-498.06	7,824.10	7,753.95	70.15	111.541	
13,600.00	6,227.00	5,749.00	5,718.49	135.03	20.28	-81.91	83.61	-498.06	7,913.36	7,843.03	70.32	112.532	
13,700.00	6,227.00	5,749.00	5,718.49	136.64	20.28	-81.91	83.61	-498.06	8,002.87	7,932.37	70.49	113.529	
13,800.00	6,227.00	5,749.00	5,718.49	138.25	20.28	-81.91	83.61	-498.06	8,092.62	8,021.96	70.66	114.530	
13,900.00	6,227.00	5,749.00	5,718.49	139.87	20.28	-81.91	83.61	-498.06	8,182.62	8,111.79	70.82	115.536	
14,000.00	6,227.00	5,749.00	5,718.49	141.50	20.28	-81.91	83.61	-498.06	8,272.84	8,201.86	70.98	116.546	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
<b>Survey Program:</b> 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
14,100.00	6,227.00	5,749.00	5,718.49	143.12	20.28	-81.91	83.61	-498.06	8,363.29	8,292.15	71.14	117.560	
14,200.00	6,227.00	5,749.00	5,718.49	144.76	20.28	-81.91	83.61	-498.06	8,453.95	8,382.66	71.29	118.577	
14,300.00	6,227.00	5,749.00	5,718.49	146.39	20.28	-81.91	83.61	-498.06	8,544.82	8,473.37	71.45	119.599	
14,400.00	6,227.00	5,749.00	5,718.49	148.03	20.28	-81.91	83.61	-498.06	8,635.89	8,564.30	71.59	120.624	
14,500.00	6,227.00	5,749.00	5,718.49	149.67	20.28	-81.91	83.61	-498.06	8,727.16	8,655.42	71.74	121.652	
14,600.00	6,227.00	5,749.00	5,718.49	151.32	20.28	-81.91	83.61	-498.06	8,818.62	8,746.74	71.88	122.684	
14,700.00	6,227.00	5,749.00	5,718.49	152.97	20.28	-81.91	83.61	-498.06	8,910.26	8,838.24	72.02	123.718	
14,800.00	6,227.00	5,749.00	5,718.49	154.62	20.28	-81.91	83.61	-498.06	9,002.08	8,929.92	72.16	124.755	
14,900.00	6,227.00	5,749.00	5,718.49	156.28	20.28	-81.91	83.61	-498.06	9,094.07	9,021.77	72.29	125.795	
15,000.00	6,227.00	5,749.00	5,718.49	157.94	20.28	-81.91	83.61	-498.06	9,186.22	9,113.80	72.43	126.837	
15,100.00	6,227.00	5,749.00	5,718.49	159.60	20.28	-81.91	83.61	-498.06	9,278.55	9,205.99	72.56	127.882	
15,200.00	6,227.00	5,749.00	5,718.49	161.27	20.28	-81.91	83.61	-498.06	9,371.02	9,298.34	72.68	128.929	
15,300.00	6,227.00	5,749.00	5,718.49	162.94	20.28	-81.91	83.61	-498.06	9,463.65	9,390.85	72.81	129.978	
15,400.00	6,227.00	5,749.00	5,718.49	164.61	20.28	-81.91	83.61	-498.06	9,556.43	9,483.50	72.93	131.029	
15,500.00	6,227.00	5,749.00	5,718.49	166.28	20.28	-81.91	83.61	-498.06	9,649.36	9,576.30	73.06	132.082	
15,600.00	6,227.00	5,749.00	5,718.49	167.95	20.28	-81.91	83.61	-498.06	9,742.42	9,669.25	73.18	133.136	
15,700.00	6,227.00	5,749.00	5,718.49	169.63	20.28	-81.91	83.61	-498.06	9,835.62	9,762.33	73.29	134.192	
15,800.00	6,227.00	5,749.00	5,718.49	171.31	20.28	-81.91	83.61	-498.06	9,928.96	9,855.54	73.41	135.250	
15,900.00	6,227.00	5,749.00	5,718.49	172.99	20.28	-81.91	83.61	-498.06	10,022.42	9,948.89	73.53	136.309	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
0.00	0.00	2.82	2.82	0.00	0.00	141.46	-4,274.93	3,404.91	5,465.20				
100.00	100.00	118.87	118.87	0.27	0.23	141.46	-4,274.69	3,404.96	5,465.08	5,464.58	0.50	N/A	
200.00	200.00	238.50	238.50	0.63	0.65	141.46	-4,274.02	3,404.76	5,464.52	5,463.23	1.28	4,261.652	
300.00	300.00	328.60	328.59	0.99	0.98	141.46	-4,273.43	3,404.60	5,463.90	5,461.94	1.96	2,784.193	
400.00	399.98	415.85	415.84	1.34	1.29	58.11	-4,273.00	3,404.75	5,462.69	5,460.06	2.63	2,080.597	
500.00	499.84	531.98	531.98	1.69	1.70	58.21	-4,272.25	3,404.84	5,459.45	5,456.06	3.39	1,608.682	
600.00	599.45	633.94	633.93	2.06	2.07	58.37	-4,271.36	3,405.08	5,454.33	5,450.20	4.12	1,323.267	
700.00	698.70	750.02	750.00	2.44	2.48	58.61	-4,270.23	3,405.17	5,447.20	5,442.29	4.91	1,108.500	
800.00	797.47	847.05	847.02	2.85	2.83	58.90	-4,269.00	3,405.23	5,438.06	5,432.41	5.66	961.636	
900.00	895.62	924.88	924.85	3.29	3.10	59.21	-4,268.18	3,405.37	5,427.40	5,421.06	6.34	855.549	
1,000.00	993.06	1,212.06	1,211.61	3.76	4.09	60.18	-4,271.58	3,392.34	5,414.67	5,406.90	7.77	696.678	
1,100.00	1,089.64	1,279.50	1,278.65	4.27	4.33	60.71	-4,273.71	3,385.37	5,397.73	5,389.24	8.49	636.020	
1,200.00	1,185.27	1,338.36	1,337.04	4.83	4.55	61.26	-4,276.59	3,378.49	5,379.83	5,370.61	9.22	583.790	
1,300.00	1,279.82	1,377.90	1,376.19	5.45	4.69	61.77	-4,279.08	3,373.55	5,361.22	5,351.30	9.92	540.407	
1,400.00	1,373.17	1,420.66	1,418.47	6.12	4.86	62.33	-4,282.36	3,368.06	5,342.10	5,331.41	10.69	499.675	
1,500.00	1,465.21	1,476.40	1,473.48	6.85	5.07	62.98	-4,287.66	3,360.86	5,322.78	5,311.22	11.57	460.187	
1,600.00	1,555.84	1,476.40	1,473.48	7.65	5.07	63.34	-4,287.66	3,360.86	5,302.97	5,290.68	12.29	431.509	
1,700.00	1,644.94	10,874.00	6,363.27	8.51	81.05	125.01	-47.55	2,591.06	5,229.23	5,174.29	54.95	95.167	
1,800.00	1,732.39	10,874.00	6,363.27	9.45	81.05	140.67	-47.55	2,591.06	5,129.67	5,074.71	54.96	93.339	
1,827.18	1,755.86	10,874.00	6,363.27	9.72	81.05	143.67	-47.55	2,591.06	5,102.66	5,047.71	54.95	92.855	
1,900.00	1,818.58	10,874.00	6,363.27	10.44	81.05	143.67	-47.55	2,591.06	5,030.32	4,975.38	54.94	91.553	
2,000.00	1,904.71	10,874.00	6,363.27	11.46	81.05	143.67	-47.55	2,591.06	4,931.01	4,876.08	54.94	89.758	
2,100.00	1,990.83	10,874.00	6,363.27	12.49	81.05	143.67	-47.55	2,591.06	4,831.73	4,776.80	54.93	87.959	
2,200.00	2,076.96	10,874.00	6,363.27	13.53	81.05	143.67	-47.55	2,591.06	4,732.48	4,677.55	54.93	86.155	
2,300.00	2,163.08	10,874.00	6,363.27	14.57	81.05	143.67	-47.55	2,591.06	4,633.26	4,578.33	54.93	84.347	
2,400.00	2,249.21	10,874.00	6,363.27	15.62	81.05	143.67	-47.55	2,591.06	4,534.08	4,479.14	54.93	82.536	
2,500.00	2,335.33	10,874.00	6,363.27	16.68	81.05	143.67	-47.55	2,591.06	4,434.93	4,379.99	54.94	80.721	
2,600.00	2,421.45	10,874.00	6,363.27	17.74	81.05	143.67	-47.55	2,591.06	4,335.82	4,280.87	54.95	78.904	
2,700.00	2,507.58	10,874.00	6,363.27	18.81	81.05	143.67	-47.55	2,591.06	4,236.75	4,181.79	54.96	77.085	
2,800.00	2,593.70	10,874.00	6,363.27	19.87	81.05	143.67	-47.55	2,591.06	4,137.73	4,082.75	54.98	75.264	
2,900.00	2,679.83	10,874.00	6,363.27	20.94	81.05	143.67	-47.55	2,591.06	4,038.76	3,983.76	54.99	73.442	
3,000.00	2,765.95	10,874.00	6,363.27	22.01	81.05	143.67	-47.55	2,591.06	3,939.83	3,884.82	55.01	71.619	
3,100.00	2,852.08	10,874.00	6,363.27	23.09	81.05	143.67	-47.55	2,591.06	3,840.97	3,785.94	55.03	69.795	
3,200.00	2,938.20	10,874.00	6,363.27	24.16	81.05	143.67	-47.55	2,591.06	3,742.16	3,687.11	55.05	67.972	
3,300.00	3,024.32	10,874.00	6,363.27	25.24	81.05	143.67	-47.55	2,591.06	3,643.42	3,588.34	55.08	66.149	
3,400.00	3,110.45	10,874.00	6,363.27	26.32	81.05	143.67	-47.55	2,591.06	3,544.75	3,489.65	55.11	64.326	
3,500.00	3,196.57	10,874.00	6,363.27	27.40	81.05	143.67	-47.55	2,591.06	3,446.16	3,391.02	55.13	62.505	
3,600.00	3,282.70	10,874.00	6,363.27	28.48	81.05	143.67	-47.55	2,591.06	3,347.65	3,292.48	55.16	60.685	
3,700.00	3,368.82	10,874.00	6,363.27	29.56	81.05	143.67	-47.55	2,591.06	3,249.23	3,194.03	55.20	58.866	
3,800.00	3,454.95	10,874.00	6,363.27	30.64	81.05	143.67	-47.55	2,591.06	3,150.91	3,095.68	55.23	57.048	
3,900.00	3,541.07	10,874.00	6,363.27	31.72	81.05	143.67	-47.55	2,591.06	3,052.70	2,997.43	55.27	55.233	
4,000.00	3,627.19	10,874.00	6,363.27	32.80	81.05	143.67	-47.55	2,591.06	2,954.61	2,899.30	55.31	53.420	
4,100.00	3,713.32	10,874.00	6,363.27	33.89	81.05	143.67	-47.55	2,591.06	2,856.65	2,801.30	55.35	51.610	
4,200.00	3,799.44	10,874.00	6,363.27	34.97	81.05	143.67	-47.55	2,591.06	2,758.84	2,703.45	55.40	49.802	
4,300.00	3,885.57	10,874.00	6,363.27	36.05	81.05	143.67	-47.55	2,591.06	2,661.19	2,605.75	55.45	47.997	
4,400.00	3,971.69	10,874.00	6,363.27	37.14	81.05	143.67	-47.55	2,591.06	2,563.73	2,508.23	55.50	46.194	
4,500.00	4,057.82	10,874.00	6,363.27	38.22	81.05	143.67	-47.55	2,591.06	2,466.46	2,410.91	55.56	44.395	
4,600.00	4,143.94	10,874.00	6,363.27	39.31	81.05	143.67	-47.55	2,591.06	2,369.43	2,313.80	55.62	42.600	
4,700.00	4,230.06	10,874.00	6,363.27	40.39	81.05	143.67	-47.55	2,591.06	2,272.65	2,216.95	55.69	40.808	
4,800.00	4,316.19	10,874.00	6,363.27	41.48	81.05	143.67	-47.55	2,591.06	2,176.16	2,120.39	55.77	39.019	
4,900.00	4,402.31	10,874.00	6,363.27	42.57	81.05	143.67	-47.55	2,591.06	2,080.00	2,024.14	55.86	37.234	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
5,000.00	4,488.44	10,874.00	6,363.27	43.65	81.05	143.67	-47.55	2,591.06	1,984.22	1,928.26	55.97	35.454		
5,100.00	4,574.56	10,874.00	6,363.27	44.74	81.05	143.67	-47.55	2,591.06	1,888.89	1,832.80	56.09	33.677		
5,200.00	4,660.69	10,874.00	6,363.27	45.83	81.05	143.67	-47.55	2,591.06	1,794.05	1,737.82	56.23	31.905		
5,300.00	4,746.81	10,874.00	6,363.27	46.91	81.05	143.67	-47.55	2,591.06	1,699.82	1,643.41	56.40	30.138		
5,400.00	4,832.93	10,874.00	6,363.27	48.00	81.05	143.67	-47.55	2,591.06	1,606.27	1,549.66	56.61	28.375		
5,500.00	4,919.06	10,874.00	6,363.27	49.09	81.05	143.67	-47.55	2,591.06	1,513.56	1,456.69	56.87	26.617		
5,600.00	5,005.18	10,874.00	6,363.27	50.17	81.05	143.67	-47.55	2,591.06	1,421.83	1,364.64	57.19	24.863		
5,700.00	5,091.31	10,874.00	6,363.27	51.26	81.05	143.67	-47.55	2,591.06	1,331.29	1,273.70	57.60	23.114		
5,800.00	5,177.43	10,874.00	6,363.27	52.35	81.05	143.67	-47.55	2,591.06	1,242.21	1,184.08	58.13	21.368		
5,900.00	5,263.56	10,874.00	6,363.27	53.44	81.05	143.67	-47.55	2,591.06	1,154.91	1,096.07	58.85	19.625		
6,000.00	5,349.68	10,874.00	6,363.27	54.53	81.05	143.67	-47.55	2,591.06	1,069.85	1,010.02	59.82	17.884		
6,100.00	5,435.80	10,874.00	6,363.27	55.61	81.05	143.67	-47.55	2,591.06	987.58	926.41	61.17	16.144		
6,200.00	5,521.93	10,874.00	6,363.27	56.70	81.05	143.67	-47.55	2,591.06	908.88	845.80	63.08	14.409		
6,300.00	5,608.05	10,874.00	6,363.27	57.79	81.05	143.67	-47.55	2,591.06	834.74	768.95	65.79	12.687		
6,400.00	5,694.18	10,874.00	6,363.27	58.88	81.05	143.67	-47.55	2,591.06	766.51	696.88	69.63	11.009		
6,479.32	5,762.49	10,874.00	6,363.27	59.74	81.05	143.67	-47.55	2,591.06	717.71	644.04	73.66	9.743		
6,500.00	5,780.28	10,874.00	6,363.27	59.97	81.05	146.10	-47.55	2,591.06	706.10	631.22	74.88	9.429		
6,550.00	5,822.98	10,874.00	6,363.27	60.51	81.05	152.07	-47.55	2,591.06	681.70	603.53	78.17	8.721		
6,600.00	5,865.00	10,874.00	6,363.27	61.05	81.05	157.91	-47.55	2,591.06	663.06	581.23	81.83	8.103		
6,650.00	5,906.01	10,874.00	6,363.27	61.57	81.05	163.39	-47.55	2,591.06	650.83	565.14	85.70	7.595		
6,700.00	5,945.70	10,874.00	6,363.27	62.08	81.05	168.46	-47.55	2,591.06	645.47	555.94	89.53	7.209		
6,712.90	5,955.69	10,874.00	6,363.27	62.20	81.05	169.71	-47.55	2,591.06	645.23	554.75	90.49	7.131 CC		
6,750.00	5,983.77	10,874.00	6,363.27	62.56	81.05	173.17	-47.55	2,591.06	647.19	554.07	93.12	6.950 ES		
6,800.00	6,019.92	10,874.00	6,363.27	63.02	81.05	177.61	-47.55	2,591.06	655.91	559.66	96.26	6.814		
6,850.00	6,053.90	10,874.00	6,363.27	63.45	81.05	-178.08	-47.55	2,591.06	671.31	572.47	98.84	6.792 SF		
6,900.00	6,085.42	10,874.00	6,363.27	63.86	81.05	-173.75	-47.55	2,591.06	692.82	592.00	100.82	6.872		
6,950.00	6,114.26	10,874.00	6,363.27	64.23	81.05	-169.22	-47.55	2,591.06	719.75	617.52	102.23	7.041		
7,000.00	6,140.20	10,874.00	6,363.27	64.58	81.05	-164.32	-47.55	2,591.06	751.31	648.18	103.13	7.285		
7,050.00	6,163.03	10,874.00	6,363.27	64.89	81.05	-158.84	-47.55	2,591.06	786.73	683.11	103.62	7.593		
7,100.00	6,182.59	10,874.00	6,363.27	65.17	81.05	-152.56	-47.55	2,591.06	825.25	721.48	103.77	7.953		
7,150.00	6,198.73	10,874.00	6,363.27	65.42	81.05	-145.26	-47.55	2,591.06	866.20	762.53	103.67	8.355		
7,200.00	6,211.32	10,874.00	6,363.27	65.65	81.05	-136.80	-47.55	2,591.06	908.95	805.57	103.38	8.792		
7,250.00	6,220.26	10,874.00	6,363.27	65.84	81.05	-127.24	-47.55	2,591.06	952.96	850.01	102.95	9.256		
7,300.00	6,225.50	10,874.00	6,363.27	66.01	81.05	-116.90	-47.55	2,591.06	997.75	895.33	102.42	9.742		
7,344.70	6,227.00	10,874.00	6,363.27	66.14	81.05	-107.55	-47.55	2,591.06	1,038.11	936.23	101.88	10.190		
7,400.00	6,227.00	10,874.00	6,363.27	66.29	81.05	-107.55	-47.55	2,591.06	1,088.36	987.16	101.20	10.754		
7,500.00	6,227.00	10,874.00	6,363.27	66.58	81.05	-107.55	-47.55	2,591.06	1,180.37	1,080.28	100.09	11.793		
7,600.00	6,227.00	10,874.00	6,363.27	66.90	81.05	-107.55	-47.55	2,591.06	1,273.59	1,174.48	99.11	12.850		
7,700.00	6,227.00	10,874.00	6,363.27	67.24	81.05	-107.55	-47.55	2,591.06	1,367.77	1,269.52	98.25	13.922		
7,800.00	6,227.00	10,874.00	6,363.27	67.61	81.05	-107.55	-47.55	2,591.06	1,462.72	1,365.23	97.49	15.004		
7,900.00	6,227.00	10,874.00	6,363.27	68.00	81.05	-107.55	-47.55	2,591.06	1,558.31	1,461.49	96.82	16.096		
8,000.00	6,227.00	10,874.00	6,363.27	68.43	81.05	-107.55	-47.55	2,591.06	1,654.41	1,558.19	96.22	17.194		
8,100.00	6,227.00	10,874.00	6,363.27	68.88	81.05	-107.55	-47.55	2,591.06	1,750.95	1,655.26	95.69	18.299		
8,200.00	6,227.00	10,874.00	6,363.27	69.36	81.05	-107.55	-47.55	2,591.06	1,847.86	1,752.65	95.21	19.408		
8,300.00	6,227.00	10,874.00	6,363.27	69.88	81.05	-107.55	-47.55	2,591.06	1,945.08	1,850.30	94.79	20.520		
8,400.00	6,227.00	10,874.00	6,363.27	70.43	81.05	-107.55	-47.55	2,591.06	2,042.57	1,948.17	94.41	21.636		
8,500.00	6,227.00	10,874.00	6,363.27	71.00	81.05	-107.55	-47.55	2,591.06	2,140.30	2,046.24	94.06	22.754		
8,600.00	6,227.00	10,874.00	6,363.27	71.62	81.05	-107.55	-47.55	2,591.06	2,238.22	2,144.47	93.75	23.875		
8,700.00	6,227.00	10,874.00	6,363.27	72.26	81.05	-107.55	-47.55	2,591.06	2,336.32	2,242.85	93.46	24.997		
8,800.00	6,227.00	10,874.00	6,363.27	72.94	81.05	-107.55	-47.55	2,591.06	2,434.57	2,341.37	93.21	26.120		
8,900.00	6,227.00	10,874.00	6,363.27	73.66	81.05	-107.55	-47.55	2,591.06	2,532.96	2,439.99	92.97	27.245		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,000.00	6,227.00	10,874.00	6,363.27	74.41	81.05	-107.55	-47.55	2,591.06	2,631.48	2,538.72	92.76	28.370	
9,100.00	6,227.00	10,874.00	6,363.27	75.19	81.05	-107.55	-47.55	2,591.06	2,730.10	2,637.54	92.56	29.496	
9,200.00	6,227.00	10,874.00	6,363.27	76.01	81.05	-107.55	-47.55	2,591.06	2,828.81	2,736.44	92.38	30.623	
9,300.00	6,227.00	10,874.00	6,363.27	76.86	81.05	-107.55	-47.55	2,591.06	2,927.62	2,835.41	92.21	31.750	
9,400.00	6,227.00	10,874.00	6,363.27	77.75	81.05	-107.55	-47.55	2,591.06	3,026.50	2,934.44	92.06	32.877	
9,500.00	6,227.00	10,874.00	6,363.27	78.67	81.05	-107.55	-47.55	2,591.06	3,125.45	3,033.54	91.91	34.004	
9,600.00	6,227.00	10,874.00	6,363.27	79.63	81.05	-107.55	-47.55	2,591.06	3,224.47	3,132.69	91.78	35.132	
9,700.00	6,227.00	10,874.00	6,363.27	80.62	81.05	-107.55	-47.55	2,591.06	3,323.55	3,231.89	91.66	36.259	
9,800.00	6,227.00	10,874.00	6,363.27	81.64	81.05	-107.55	-47.55	2,591.06	3,422.68	3,331.13	91.55	37.387	
9,900.00	6,227.00	10,874.00	6,363.27	82.69	81.05	-107.55	-47.55	2,591.06	3,521.86	3,430.42	91.44	38.514	
10,000.00	6,227.00	10,874.00	6,363.27	83.77	81.05	-107.55	-47.55	2,591.06	3,621.08	3,529.74	91.35	39.641	
10,100.00	6,227.00	10,874.00	6,363.27	84.88	81.05	-107.55	-47.55	2,591.06	3,720.35	3,629.10	91.26	40.768	
10,200.00	6,227.00	10,874.00	6,363.27	86.02	81.05	-107.55	-47.55	2,591.06	3,819.66	3,728.48	91.17	41.895	
10,300.00	6,227.00	10,874.00	6,363.27	87.19	81.05	-107.55	-47.55	2,591.06	3,919.00	3,827.90	91.09	43.022	
10,400.00	6,227.00	10,874.00	6,363.27	88.38	81.05	-107.55	-47.55	2,591.06	4,018.37	3,927.35	91.02	44.148	
10,500.00	6,227.00	10,874.00	6,363.27	89.60	81.05	-107.55	-47.55	2,591.06	4,117.77	4,026.82	90.95	45.274	
10,600.00	6,227.00	10,874.00	6,363.27	90.84	81.05	-107.55	-47.55	2,591.06	4,217.20	4,126.31	90.89	46.399	
10,700.00	6,227.00	10,874.00	6,363.27	92.11	81.05	-107.55	-47.55	2,591.06	4,316.66	4,225.83	90.83	47.524	
10,800.00	6,227.00	10,874.00	6,363.27	93.39	81.05	-107.55	-47.55	2,591.06	4,416.14	4,325.37	90.78	48.649	
10,900.00	6,227.00	10,874.00	6,363.27	94.70	81.05	-107.55	-47.55	2,591.06	4,515.65	4,424.92	90.73	49.773	
11,000.00	6,227.00	10,874.00	6,363.27	96.03	81.05	-107.55	-47.55	2,591.06	4,615.18	4,524.50	90.68	50.896	
11,100.00	6,227.00	10,874.00	6,363.27	97.37	81.05	-107.55	-47.55	2,591.06	4,714.72	4,624.09	90.63	52.019	
11,200.00	6,227.00	10,874.00	6,363.27	98.74	81.05	-107.55	-47.55	2,591.06	4,814.29	4,723.69	90.59	53.142	
11,300.00	6,227.00	10,874.00	6,363.27	100.12	81.05	-107.55	-47.55	2,591.06	4,913.87	4,823.31	90.56	54.263	
11,400.00	6,227.00	10,874.00	6,363.27	101.51	81.05	-107.55	-47.55	2,591.06	5,013.47	4,922.95	90.52	55.385	
11,500.00	6,227.00	10,874.00	6,363.27	102.92	81.05	-107.55	-47.55	2,591.06	5,113.08	5,022.60	90.49	56.506	
11,600.00	6,227.00	10,874.00	6,363.27	104.35	81.05	-107.55	-47.55	2,591.06	5,212.71	5,122.26	90.46	57.626	
11,700.00	6,227.00	10,874.00	6,363.27	105.79	81.05	-107.55	-47.55	2,591.06	5,312.36	5,221.93	90.43	58.745	
11,800.00	6,227.00	10,874.00	6,363.27	107.24	81.05	-107.55	-47.55	2,591.06	5,412.02	5,321.61	90.41	59.864	
11,900.00	6,227.00	10,874.00	6,363.27	108.71	81.05	-107.55	-47.55	2,591.06	5,511.68	5,421.30	90.38	60.982	
12,000.00	6,227.00	10,874.00	6,363.27	110.19	81.05	-107.55	-47.55	2,591.06	5,611.37	5,521.00	90.36	62.099	
12,100.00	6,227.00	10,874.00	6,363.27	111.68	81.05	-107.55	-47.55	2,591.06	5,711.06	5,620.72	90.34	63.216	
12,200.00	6,227.00	10,874.00	6,363.27	113.18	81.05	-107.55	-47.55	2,591.06	5,810.76	5,720.44	90.32	64.332	
12,300.00	6,227.00	10,874.00	6,363.27	114.68	81.05	-107.55	-47.55	2,591.06	5,910.47	5,820.17	90.31	65.447	
12,400.00	6,227.00	10,874.00	6,363.27	116.20	81.05	-107.55	-47.55	2,591.06	6,010.20	5,919.90	90.29	66.562	
12,500.00	6,227.00	10,874.00	6,363.27	117.73	81.05	-107.55	-47.55	2,591.06	6,109.93	6,019.65	90.28	67.676	
12,600.00	6,227.00	10,874.00	6,363.27	119.27	81.05	-107.55	-47.55	2,591.06	6,209.67	6,119.40	90.27	68.788	
12,700.00	6,227.00	10,874.00	6,363.27	120.81	81.05	-107.55	-47.55	2,591.06	6,309.42	6,219.15	90.26	69.901	
12,800.00	6,227.00	10,874.00	6,363.27	122.37	81.05	-107.55	-47.55	2,591.06	6,409.17	6,318.92	90.25	71.012	
12,900.00	6,227.00	10,874.00	6,363.27	123.93	81.05	-107.55	-47.55	2,591.06	6,508.94	6,418.69	90.25	72.122	
13,000.00	6,227.00	10,874.00	6,363.27	125.49	81.05	-107.55	-47.55	2,591.06	6,608.71	6,518.46	90.24	73.232	
13,100.00	6,227.00	10,874.00	6,363.27	127.07	81.05	-107.55	-47.55	2,591.06	6,708.49	6,618.25	90.24	74.341	
13,200.00	6,227.00	10,874.00	6,363.27	128.65	81.05	-107.55	-47.55	2,591.06	6,808.27	6,718.03	90.24	75.449	
13,300.00	6,227.00	10,874.00	6,363.27	130.24	81.05	-107.55	-47.55	2,591.06	6,908.06	6,817.82	90.24	76.556	
13,400.00	6,227.00	10,874.00	6,363.27	131.83	81.05	-107.55	-47.55	2,591.06	7,007.86	6,917.62	90.24	77.662	
13,500.00	6,227.00	10,874.00	6,363.27	133.43	81.05	-107.55	-47.55	2,591.06	7,107.66	7,017.42	90.24	78.767	
13,600.00	6,227.00	10,874.00	6,363.27	135.03	81.05	-107.55	-47.55	2,591.06	7,207.47	7,117.23	90.24	79.872	
13,700.00	6,227.00	10,874.00	6,363.27	136.64	81.05	-107.55	-47.55	2,591.06	7,307.28	7,217.04	90.24	80.975	
13,800.00	6,227.00	10,874.00	6,363.27	138.25	81.05	-107.55	-47.55	2,591.06	7,407.10	7,316.85	90.24	82.078	
13,900.00	6,227.00	10,874.00	6,363.27	139.87	81.05	-107.55	-47.55	2,591.06	7,506.92	7,416.67	90.25	83.179	
14,000.00	6,227.00	10,874.00	6,363.27	141.50	81.05	-107.55	-47.55	2,591.06	7,606.75	7,516.49	90.26	84.280	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	6,227.00	10,874.00	6,363.27	143.12	81.05	-107.55	-47.55	2,591.06	7,706.58	7,616.32	90.26	85.380		
14,200.00	6,227.00	10,874.00	6,363.27	144.76	81.05	-107.55	-47.55	2,591.06	7,806.42	7,716.15	90.27	86.478		
14,300.00	6,227.00	10,874.00	6,363.27	146.39	81.05	-107.55	-47.55	2,591.06	7,906.26	7,815.98	90.28	87.576		
14,400.00	6,227.00	10,874.00	6,363.27	148.03	81.05	-107.55	-47.55	2,591.06	8,006.10	7,915.81	90.29	88.672		
14,500.00	6,227.00	10,874.00	6,363.27	149.67	81.05	-107.55	-47.55	2,591.06	8,105.95	8,015.65	90.30	89.768		
14,600.00	6,227.00	10,874.00	6,363.27	151.32	81.05	-107.55	-47.55	2,591.06	8,205.80	8,115.49	90.31	90.863		
14,700.00	6,227.00	10,874.00	6,363.27	152.97	81.05	-107.55	-47.55	2,591.06	8,305.66	8,215.33	90.32	91.956		
14,800.00	6,227.00	10,874.00	6,363.27	154.62	81.05	-107.55	-47.55	2,591.06	8,405.51	8,315.18	90.33	93.048		
14,900.00	6,227.00	10,874.00	6,363.27	156.28	81.05	-107.55	-47.55	2,591.06	8,505.38	8,415.03	90.35	94.140		
15,000.00	6,227.00	10,874.00	6,363.27	157.94	81.05	-107.55	-47.55	2,591.06	8,605.24	8,514.88	90.36	95.230		
15,100.00	6,227.00	10,874.00	6,363.27	159.60	81.05	-107.55	-47.55	2,591.06	8,705.11	8,614.73	90.38	96.319		
15,200.00	6,227.00	10,874.00	6,363.27	161.27	81.05	-107.55	-47.55	2,591.06	8,804.98	8,714.59	90.39	97.408		
15,300.00	6,227.00	10,874.00	6,363.27	162.94	81.05	-107.55	-47.55	2,591.06	8,904.86	8,814.45	90.41	98.495		
15,400.00	6,227.00	10,874.00	6,363.27	164.61	81.05	-107.55	-47.55	2,591.06	9,004.73	8,914.31	90.43	99.580		
15,500.00	6,227.00	10,874.00	6,363.27	166.28	81.05	-107.55	-47.55	2,591.06	9,104.61	9,014.17	90.44	100.665		
15,600.00	6,227.00	10,874.00	6,363.27	167.95	81.05	-107.55	-47.55	2,591.06	9,204.50	9,114.03	90.46	101.749		
15,700.00	6,227.00	10,874.00	6,363.27	169.63	81.05	-107.55	-47.55	2,591.06	9,304.38	9,213.90	90.48	102.831		
15,800.00	6,227.00	10,874.00	6,363.27	171.31	81.05	-107.55	-47.55	2,591.06	9,404.27	9,313.77	90.50	103.912		
15,900.00	6,227.00	10,874.00	6,363.27	172.99	81.05	-107.55	-47.55	2,591.06	9,504.16	9,413.64	90.52	104.993		
16,000.00	6,227.00	10,874.00	6,363.27	174.68	81.05	-107.55	-47.55	2,591.06	9,604.05	9,513.51	90.54	106.072		
16,100.00	6,227.00	10,874.00	6,363.27	176.36	81.05	-107.55	-47.55	2,591.06	9,703.94	9,613.38	90.56	107.149		
16,200.00	6,227.00	10,874.00	6,363.27	178.05	81.05	-107.55	-47.55	2,591.06	9,803.84	9,713.25	90.59	108.226		
16,300.00	6,227.00	10,874.00	6,363.27	179.74	81.05	-107.55	-47.55	2,591.06	9,903.74	9,813.13	90.61	109.301		
16,400.00	6,227.00	10,874.00	6,363.27	181.43	81.05	-107.55	-47.55	2,591.06	10,003.64	9,913.01	90.63	110.375		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	87.30	87.30	0.27	0.15	142.10	-4,377.11	3,407.71	5,547.24	5,546.82	0.42	N/A	
200.00	200.00	170.45	170.44	0.63	0.30	142.10	-4,377.62	3,407.69	5,547.71	5,546.79	0.92	6,001.113	
300.00	300.00	253.58	253.58	0.99	0.44	142.11	-4,378.47	3,407.65	5,548.49	5,547.06	1.43	3,886.257	
400.00	399.98	336.69	336.68	1.34	0.59	58.75	-4,379.64	3,407.60	5,548.66	5,546.74	1.92	2,883.740	
500.00	499.84	419.68	419.65	1.69	0.73	58.82	-4,381.14	3,407.54	5,547.33	5,544.91	2.42	2,291.480	
600.00	599.45	695.00	694.92	2.06	1.52	59.13	-4,382.42	3,405.74	5,542.82	5,539.24	3.58	1,549.914	
700.00	698.70	730.00	729.91	2.44	1.64	59.29	-4,381.85	3,405.92	5,535.51	5,531.44	4.07	1,359.797	
800.00	797.47	788.00	787.90	2.85	1.84	59.50	-4,381.33	3,406.96	5,527.65	5,522.99	4.66	1,185.761	
900.00	895.62	788.00	787.90	3.29	1.84	59.65	-4,381.33	3,406.96	5,519.02	5,513.94	5.08	1,086.940	
1,000.00	993.06	839.75	839.63	3.76	2.02	59.90	-4,381.45	3,408.55	5,509.75	5,504.05	5.70	966.349	
1,100.00	1,089.64	879.00	878.84	4.27	2.16	60.15	-4,382.01	3,410.09	5,499.99	5,493.68	6.32	870.863	
1,200.00	1,185.27	956.98	956.74	4.83	2.43	60.54	-4,383.72	3,413.26	5,489.31	5,482.20	7.11	772.346	
1,300.00	1,279.82	1,008.85	1,008.55	5.45	2.62	60.89	-4,384.88	3,415.66	5,477.45	5,469.60	7.85	697.697	
1,400.00	1,373.17	1,064.00	1,063.51	6.12	2.82	61.26	-4,385.52	3,419.99	5,464.92	5,456.27	8.65	631.476	
1,500.00	1,465.21	1,095.45	1,094.80	6.85	2.94	61.58	-4,385.76	3,423.15	5,451.73	5,442.30	9.43	578.220	
1,600.00	1,555.84	1,155.00	1,153.96	7.65	3.16	62.02	-4,386.46	3,429.93	5,438.09	5,427.73	10.36	524.831	
1,700.00	1,644.94	1,185.25	1,183.97	8.51	3.27	62.38	-4,386.92	3,433.70	5,423.73	5,412.47	11.25	482.003	
1,800.00	1,732.39	1,245.00	1,243.20	9.45	3.50	62.87	-4,387.92	3,441.51	5,408.67	5,396.35	12.32	439.084	
1,827.18	1,755.86	1,245.00	1,243.20	9.72	3.50	62.94	-4,387.92	3,441.51	5,404.47	5,391.91	12.56	430.340	
1,900.00	1,818.58	1,245.00	1,243.20	10.44	3.50	62.94	-4,387.92	3,441.51	5,393.74	5,380.52	13.21	408.157	
2,000.00	1,904.71	1,297.27	1,294.99	11.46	3.70	63.15	-4,389.79	3,448.28	5,379.68	5,365.34	14.33	375.336	
2,100.00	1,990.83	1,338.00	1,335.33	12.49	3.86	63.33	-4,392.55	3,453.20	5,367.30	5,351.87	15.42	348.019	
2,200.00	2,076.96	1,364.07	1,361.13	13.53	3.97	63.44	-4,394.76	3,456.19	5,356.12	5,339.65	16.47	325.203	
2,300.00	2,163.08	10,690.25	6,296.94	14.57	80.89	38.60	-110.46	3,932.26	5,288.00	5,226.48	61.52	85.951	
2,400.00	2,249.21	10,701.78	6,297.06	15.62	81.09	37.97	-98.95	3,932.75	5,189.48	5,127.55	61.94	83.788	
2,500.00	2,335.33	10,710.92	6,297.16	16.68	81.24	37.47	-89.81	3,933.13	5,091.01	5,028.68	62.33	81.674	
2,600.00	2,421.45	10,719.79	6,297.25	17.74	81.39	36.98	-80.96	3,933.50	4,992.58	4,929.84	62.74	79.578	
2,700.00	2,507.58	10,728.65	6,297.34	18.81	81.54	36.48	-72.10	3,933.87	4,894.20	4,831.05	63.15	77.496	
2,800.00	2,593.70	10,737.52	6,297.44	19.87	81.69	35.98	-63.25	3,934.24	4,795.87	4,732.29	63.58	75.427	
2,900.00	2,679.83	10,746.38	6,297.53	20.94	81.84	35.47	-54.39	3,934.61	4,697.59	4,633.57	64.02	73.374	
3,000.00	2,765.95	10,752.00	6,297.59	22.01	81.94	35.14	-48.77	3,934.84	4,599.37	4,534.93	64.44	71.373	
3,100.00	2,852.08	10,752.00	6,297.59	23.09	81.94	35.14	-48.77	3,934.84	4,501.23	4,436.41	64.82	69.446	
3,200.00	2,938.20	10,752.00	6,297.59	24.16	81.94	35.14	-48.77	3,934.84	4,403.17	4,337.96	65.21	67.526	
3,300.00	3,024.32	10,752.00	6,297.59	25.24	81.94	35.14	-48.77	3,934.84	4,305.20	4,239.58	65.61	65.614	
3,400.00	3,110.45	10,752.00	6,297.59	26.32	81.94	35.14	-48.77	3,934.84	4,207.32	4,141.28	66.04	63.708	
3,500.00	3,196.57	10,752.00	6,297.59	27.40	81.94	35.14	-48.77	3,934.84	4,109.55	4,043.06	66.49	61.811	
3,600.00	3,282.70	10,752.00	6,297.59	28.48	81.94	35.14	-48.77	3,934.84	4,011.88	3,944.93	66.95	59.922	
3,700.00	3,368.82	10,752.00	6,297.59	29.56	81.94	35.14	-48.77	3,934.84	3,914.34	3,846.90	67.44	58.043	
3,800.00	3,454.95	10,752.00	6,297.59	30.64	81.94	35.14	-48.77	3,934.84	3,816.92	3,748.97	67.95	56.173	
3,900.00	3,541.07	10,752.00	6,297.59	31.72	81.94	35.14	-48.77	3,934.84	3,719.64	3,651.15	68.49	54.313	
4,000.00	3,627.19	10,752.00	6,297.59	32.80	81.94	35.14	-48.77	3,934.84	3,622.50	3,553.46	69.05	52.464	
4,100.00	3,713.32	10,752.00	6,297.59	33.89	81.94	35.14	-48.77	3,934.84	3,525.53	3,455.89	69.64	50.626	
4,200.00	3,799.44	10,752.00	6,297.59	34.97	81.94	35.14	-48.77	3,934.84	3,428.73	3,358.47	70.26	48.801	
4,300.00	3,885.57	10,752.00	6,297.59	36.05	81.94	35.14	-48.77	3,934.84	3,332.12	3,261.21	70.91	46.989	
4,400.00	3,971.69	10,752.00	6,297.59	37.14	81.94	35.14	-48.77	3,934.84	3,235.72	3,164.11	71.60	45.190	
4,500.00	4,057.82	10,752.00	6,297.59	38.22	81.94	35.14	-48.77	3,934.84	3,139.54	3,067.21	72.33	43.405	
4,600.00	4,143.94	10,752.00	6,297.59	39.31	81.94	35.14	-48.77	3,934.84	3,043.60	2,970.50	73.10	41.635	
4,700.00	4,230.06	10,752.00	6,297.59	40.39	81.94	35.14	-48.77	3,934.84	2,947.94	2,874.02	73.92	39.882	
4,800.00	4,316.19	10,752.00	6,297.59	41.48	81.94	35.14	-48.77	3,934.84	2,852.57	2,777.79	74.78	38.146	
4,900.00	4,402.31	10,752.00	6,297.59	42.57	81.94	35.14	-48.77	3,934.84	2,757.54	2,681.84	75.70	36.428	
5,000.00	4,488.44	10,752.00	6,297.59	43.65	81.94	35.14	-48.77	3,934.84	2,662.86	2,586.19	76.67	34.730	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
5,100.00	4,574.56	10,752.00	6,297.59	44.74	81.94	35.14	-48.77	3,934.84	2,568.59	2,490.88	77.71	33.052		
5,200.00	4,660.69	10,752.00	6,297.59	45.83	81.94	35.14	-48.77	3,934.84	2,474.77	2,395.95	78.82	31.396		
5,300.00	4,746.81	10,752.00	6,297.59	46.91	81.94	35.14	-48.77	3,934.84	2,381.46	2,301.45	80.01	29.765		
5,400.00	4,832.93	10,752.00	6,297.59	48.00	81.94	35.14	-48.77	3,934.84	2,288.70	2,207.43	81.28	28.159		
5,500.00	4,919.06	10,752.00	6,297.59	49.09	81.94	35.14	-48.77	3,934.84	2,196.59	2,113.95	82.64	26.581		
5,600.00	5,005.18	10,752.00	6,297.59	50.17	81.94	35.14	-48.77	3,934.84	2,105.19	2,021.09	84.10	25.032		
5,700.00	5,091.31	10,752.00	6,297.59	51.26	81.94	35.14	-48.77	3,934.84	2,014.61	1,928.94	85.67	23.516		
5,800.00	5,177.43	10,752.00	6,297.59	52.35	81.94	35.14	-48.77	3,934.84	1,924.97	1,837.61	87.36	22.036		
5,900.00	5,263.56	10,752.00	6,297.59	53.44	81.94	35.14	-48.77	3,934.84	1,836.39	1,747.21	89.18	20.593		
6,000.00	5,349.68	10,752.00	6,297.59	54.53	81.94	35.14	-48.77	3,934.84	1,749.04	1,657.91	91.13	19.192		
6,100.00	5,435.80	10,752.00	6,297.59	55.61	81.94	35.14	-48.77	3,934.84	1,663.12	1,569.88	93.24	17.837		
6,200.00	5,521.93	10,752.00	6,297.59	56.70	81.94	35.14	-48.77	3,934.84	1,578.87	1,483.36	95.51	16.531		
6,300.00	5,608.05	10,752.00	6,297.59	57.79	81.94	35.14	-48.77	3,934.84	1,496.54	1,398.61	97.93	15.281		
6,400.00	5,694.18	10,752.00	6,297.59	58.88	81.94	35.14	-48.77	3,934.84	1,416.50	1,315.98	100.52	14.091		
6,479.32	5,762.49	10,752.00	6,297.59	59.74	81.94	35.14	-48.77	3,934.84	1,354.90	1,252.22	102.69	13.195		
6,500.00	5,780.28	10,752.00	6,297.59	59.97	81.94	40.66	-48.77	3,934.84	1,339.27	1,235.99	103.27	12.968		
6,550.00	5,822.98	10,752.00	6,297.59	60.51	81.94	52.99	-48.77	3,934.84	1,303.19	1,198.40	104.79	12.436		
6,600.00	5,865.00	10,752.00	6,297.59	61.05	81.94	63.77	-48.77	3,934.84	1,269.93	1,163.50	106.44	11.931		
6,650.00	5,906.01	10,752.00	6,297.59	61.57	81.94	72.96	-48.77	3,934.84	1,239.99	1,131.82	108.17	11.463		
6,700.00	5,945.70	10,752.00	6,297.59	62.08	81.94	80.63	-48.77	3,934.84	1,213.84	1,103.87	109.97	11.038		
6,750.00	5,983.77	10,752.00	6,297.59	62.56	81.94	86.94	-48.77	3,934.84	1,191.93	1,080.15	111.79	10.663		
6,800.00	6,019.92	10,752.00	6,297.59	63.02	81.94	92.04	-48.77	3,934.84	1,174.68	1,061.12	113.57	10.344		
6,850.00	6,053.90	10,752.00	6,297.59	63.45	81.94	96.09	-48.77	3,934.84	1,162.43	1,047.17	115.26	10.085		
6,900.00	6,085.42	10,752.00	6,297.59	63.86	81.94	99.21	-48.77	3,934.84	1,155.43	1,038.60	116.83	9.890		
6,939.75	6,108.58	10,752.00	6,297.59	64.16	81.94	101.10	-48.77	3,934.84	1,153.71	1,035.76	117.95	9.782 CC		
6,950.00	6,114.26	10,752.00	6,297.59	64.23	81.94	101.51	-48.77	3,934.84	1,153.82	1,035.61	118.21	9.760 ES		
7,000.00	6,140.20	10,752.00	6,297.59	64.58	81.94	103.05	-48.77	3,934.84	1,157.65	1,038.26	119.39	9.696		
7,050.00	6,163.03	10,752.00	6,297.59	64.89	81.94	103.89	-48.77	3,934.84	1,166.83	1,046.49	120.34	9.696 SF		
7,100.00	6,182.59	10,752.00	6,297.59	65.17	81.94	104.04	-48.77	3,934.84	1,181.17	1,060.11	121.06	9.757		
7,150.00	6,198.73	10,752.00	6,297.59	65.42	81.94	103.51	-48.77	3,934.84	1,200.37	1,078.82	121.55	9.875		
7,200.00	6,211.32	10,752.00	6,297.59	65.65	81.94	102.26	-48.77	3,934.84	1,224.07	1,102.22	121.85	10.046		
7,250.00	6,220.26	10,752.00	6,297.59	65.84	81.94	100.26	-48.77	3,934.84	1,251.83	1,129.87	121.96	10.264		
7,300.00	6,225.50	10,752.00	6,297.59	66.01	81.94	97.41	-48.77	3,934.84	1,283.19	1,161.26	121.93	10.524		
7,344.70	6,227.00	10,752.00	6,297.59	66.14	81.94	94.07	-48.77	3,934.84	1,313.88	1,192.07	121.81	10.786		
7,400.00	6,227.00	10,752.00	6,297.59	66.29	81.94	94.07	-48.77	3,934.84	1,353.79	1,232.21	121.58	11.135		
7,500.00	6,227.00	10,752.00	6,297.59	66.58	81.94	94.07	-48.77	3,934.84	1,428.57	1,307.53	121.04	11.802		
7,600.00	6,227.00	10,752.00	6,297.59	66.90	81.94	94.07	-48.77	3,934.84	1,506.28	1,385.88	120.40	12.511		
7,700.00	6,227.00	10,752.00	6,297.59	67.24	81.94	94.07	-48.77	3,934.84	1,586.49	1,466.80	119.69	13.255		
7,800.00	6,227.00	10,752.00	6,297.59	67.61	81.94	94.07	-48.77	3,934.84	1,668.84	1,549.89	118.95	14.030		
7,900.00	6,227.00	10,752.00	6,297.59	68.00	81.94	94.07	-48.77	3,934.84	1,753.02	1,634.82	118.20	14.831		
8,000.00	6,227.00	10,752.00	6,297.59	68.43	81.94	94.07	-48.77	3,934.84	1,838.79	1,721.34	117.45	15.656		
8,100.00	6,227.00	10,752.00	6,297.59	68.88	81.94	94.07	-48.77	3,934.84	1,925.93	1,809.22	116.72	16.501		
8,200.00	6,227.00	10,752.00	6,297.59	69.36	81.94	94.07	-48.77	3,934.84	2,014.27	1,898.26	116.01	17.363		
8,300.00	6,227.00	10,752.00	6,297.59	69.88	81.94	94.07	-48.77	3,934.84	2,103.65	1,988.33	115.33	18.241		
8,400.00	6,227.00	10,752.00	6,297.59	70.43	81.94	94.07	-48.77	3,934.84	2,193.95	2,079.28	114.68	19.132		
8,500.00	6,227.00	10,752.00	6,297.59	71.00	81.94	94.07	-48.77	3,934.84	2,285.06	2,171.00	114.06	20.035		
8,600.00	6,227.00	10,752.00	6,297.59	71.62	81.94	94.07	-48.77	3,934.84	2,376.88	2,263.41	113.47	20.948		
8,700.00	6,227.00	10,752.00	6,297.59	72.26	81.94	94.07	-48.77	3,934.84	2,469.34	2,356.43	112.91	21.870		
8,800.00	6,227.00	10,752.00	6,297.59	72.94	81.94	94.07	-48.77	3,934.84	2,562.36	2,449.98	112.38	22.801		
8,900.00	6,227.00	10,752.00	6,297.59	73.66	81.94	94.07	-48.77	3,934.84	2,655.89	2,544.01	111.88	23.739		
9,000.00	6,227.00	10,752.00	6,297.59	74.41	81.94	94.07	-48.77	3,934.84	2,749.88	2,638.47	111.41	24.683		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,100.00	6,227.00	10,752.00	6,297.59	75.19	81.94	94.07	-48.77	3,934.84	2,844.28	2,733.31	110.96	25.632	
9,200.00	6,227.00	10,752.00	6,297.59	76.01	81.94	94.07	-48.77	3,934.84	2,939.04	2,828.50	110.54	26.587	
9,300.00	6,227.00	10,752.00	6,297.59	76.86	81.94	94.07	-48.77	3,934.84	3,034.15	2,924.00	110.15	27.546	
9,400.00	6,227.00	10,752.00	6,297.59	77.75	81.94	94.07	-48.77	3,934.84	3,129.55	3,019.78	109.77	28.509	
9,500.00	6,227.00	10,752.00	6,297.59	78.67	81.94	94.07	-48.77	3,934.84	3,225.24	3,115.82	109.42	29.476	
9,600.00	6,227.00	10,752.00	6,297.59	79.63	81.94	94.07	-48.77	3,934.84	3,321.18	3,212.10	109.09	30.446	
9,700.00	6,227.00	10,752.00	6,297.59	80.62	81.94	94.07	-48.77	3,934.84	3,417.35	3,308.58	108.77	31.418	
9,800.00	6,227.00	10,752.00	6,297.59	81.64	81.94	94.07	-48.77	3,934.84	3,513.74	3,405.27	108.47	32.393	
9,900.00	6,227.00	10,752.00	6,297.59	82.69	81.94	94.07	-48.77	3,934.84	3,610.32	3,502.14	108.19	33.371	
10,000.00	6,227.00	10,752.00	6,297.59	83.77	81.94	94.07	-48.77	3,934.84	3,707.09	3,599.17	107.92	34.350	
10,100.00	6,227.00	10,752.00	6,297.59	84.88	81.94	94.07	-48.77	3,934.84	3,804.02	3,696.35	107.67	35.331	
10,200.00	6,227.00	10,752.00	6,297.59	86.02	81.94	94.07	-48.77	3,934.84	3,901.11	3,793.68	107.43	36.314	
10,300.00	6,227.00	10,752.00	6,297.59	87.19	81.94	94.07	-48.77	3,934.84	3,998.34	3,891.14	107.20	37.298	
10,400.00	6,227.00	10,752.00	6,297.59	88.38	81.94	94.07	-48.77	3,934.84	4,095.70	3,988.72	106.99	38.283	
10,500.00	6,227.00	10,752.00	6,297.59	89.60	81.94	94.07	-48.77	3,934.84	4,193.19	4,086.41	106.78	39.269	
10,600.00	6,227.00	10,752.00	6,297.59	90.84	81.94	94.07	-48.77	3,934.84	4,290.79	4,184.21	106.59	40.256	
10,700.00	6,227.00	10,752.00	6,297.59	92.11	81.94	94.07	-48.77	3,934.84	4,388.51	4,282.10	106.40	41.245	
10,800.00	6,227.00	10,752.00	6,297.59	93.39	81.94	94.07	-48.77	3,934.84	4,486.32	4,380.09	106.23	42.233	
10,900.00	6,227.00	10,752.00	6,297.59	94.70	81.94	94.07	-48.77	3,934.84	4,584.23	4,478.16	106.06	43.223	
11,000.00	6,227.00	10,752.00	6,297.59	96.03	81.94	94.07	-48.77	3,934.84	4,682.22	4,576.32	105.90	44.213	
11,100.00	6,227.00	10,752.00	6,297.59	97.37	81.94	94.07	-48.77	3,934.84	4,780.30	4,674.55	105.75	45.203	
11,200.00	6,227.00	10,752.00	6,297.59	98.74	81.94	94.07	-48.77	3,934.84	4,878.46	4,772.85	105.61	46.194	
11,300.00	6,227.00	10,752.00	6,297.59	100.12	81.94	94.07	-48.77	3,934.84	4,976.68	4,871.21	105.47	47.185	
11,400.00	6,227.00	10,752.00	6,297.59	101.51	81.94	94.07	-48.77	3,934.84	5,074.98	4,969.64	105.34	48.176	
11,500.00	6,227.00	10,752.00	6,297.59	102.92	81.94	94.07	-48.77	3,934.84	5,173.35	5,068.13	105.22	49.168	
11,600.00	6,227.00	10,752.00	6,297.59	104.35	81.94	94.07	-48.77	3,934.84	5,271.77	5,166.67	105.10	50.159	
11,700.00	6,227.00	10,752.00	6,297.59	105.79	81.94	94.07	-48.77	3,934.84	5,370.26	5,265.27	104.99	51.151	
11,800.00	6,227.00	10,752.00	6,297.59	107.24	81.94	94.07	-48.77	3,934.84	5,468.80	5,363.92	104.88	52.143	
11,900.00	6,227.00	10,752.00	6,297.59	108.71	81.94	94.07	-48.77	3,934.84	5,567.39	5,462.61	104.78	53.135	
12,000.00	6,227.00	10,752.00	6,297.59	110.19	81.94	94.07	-48.77	3,934.84	5,666.03	5,561.35	104.68	54.126	
12,100.00	6,227.00	10,752.00	6,297.59	111.68	81.94	94.07	-48.77	3,934.84	5,764.71	5,660.13	104.59	55.118	
12,200.00	6,227.00	10,752.00	6,297.59	113.18	81.94	94.07	-48.77	3,934.84	5,863.45	5,758.95	104.50	56.109	
12,300.00	6,227.00	10,752.00	6,297.59	114.68	81.94	94.07	-48.77	3,934.84	5,962.22	5,857.80	104.42	57.100	
12,400.00	6,227.00	10,752.00	6,297.59	116.20	81.94	94.07	-48.77	3,934.84	6,061.03	5,956.70	104.34	58.092	
12,500.00	6,227.00	10,752.00	6,297.59	117.73	81.94	94.07	-48.77	3,934.84	6,159.89	6,055.63	104.26	59.082	
12,600.00	6,227.00	10,752.00	6,297.59	119.27	81.94	94.07	-48.77	3,934.84	6,258.78	6,154.59	104.19	60.073	
12,700.00	6,227.00	10,752.00	6,297.59	120.81	81.94	94.07	-48.77	3,934.84	6,357.70	6,253.58	104.12	61.063	
12,800.00	6,227.00	10,752.00	6,297.59	122.37	81.94	94.07	-48.77	3,934.84	6,456.66	6,352.61	104.05	62.053	
12,900.00	6,227.00	10,752.00	6,297.59	123.93	81.94	94.07	-48.77	3,934.84	6,555.64	6,451.66	103.99	63.043	
13,000.00	6,227.00	10,752.00	6,297.59	125.49	81.94	94.07	-48.77	3,934.84	6,654.66	6,550.74	103.93	64.032	
13,100.00	6,227.00	10,752.00	6,297.59	127.07	81.94	94.07	-48.77	3,934.84	6,753.71	6,649.84	103.87	65.021	
13,200.00	6,227.00	10,752.00	6,297.59	128.65	81.94	94.07	-48.77	3,934.84	6,852.79	6,748.97	103.81	66.010	
13,300.00	6,227.00	10,752.00	6,297.59	130.24	81.94	94.07	-48.77	3,934.84	6,951.89	6,848.13	103.76	66.998	
13,400.00	6,227.00	10,752.00	6,297.59	131.83	81.94	94.07	-48.77	3,934.84	7,051.02	6,947.30	103.71	67.986	
13,500.00	6,227.00	10,752.00	6,297.59	133.43	81.94	94.07	-48.77	3,934.84	7,150.17	7,046.50	103.67	68.973	
13,600.00	6,227.00	10,752.00	6,297.59	135.03	81.94	94.07	-48.77	3,934.84	7,249.34	7,145.72	103.62	69.960	
13,700.00	6,227.00	10,752.00	6,297.59	136.64	81.94	94.07	-48.77	3,934.84	7,348.54	7,244.96	103.58	70.946	
13,800.00	6,227.00	10,752.00	6,297.59	138.25	81.94	94.07	-48.77	3,934.84	7,447.76	7,344.22	103.54	71.932	
13,900.00	6,227.00	10,752.00	6,297.59	139.87	81.94	94.07	-48.77	3,934.84	7,547.00	7,443.50	103.50	72.917	
14,000.00	6,227.00	10,752.00	6,297.59	141.50	81.94	94.07	-48.77	3,934.84	7,646.26	7,542.79	103.46	73.902	
14,100.00	6,227.00	10,752.00	6,297.59	143.12	81.94	94.07	-48.77	3,934.84	7,745.53	7,642.10	103.43	74.886	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	10,752.00	6,297.59	144.76	81.94	94.07	-48.77	3,934.84	7,844.83	7,741.43	103.40	75.870	
14,300.00	6,227.00	10,752.00	6,297.59	146.39	81.94	94.07	-48.77	3,934.84	7,944.14	7,840.78	103.37	76.853	
14,400.00	6,227.00	10,752.00	6,297.59	148.03	81.94	94.07	-48.77	3,934.84	8,043.48	7,940.14	103.34	77.836	
14,500.00	6,227.00	10,752.00	6,297.59	149.67	81.94	94.07	-48.77	3,934.84	8,142.82	8,039.51	103.31	78.818	
14,600.00	6,227.00	10,752.00	6,297.59	151.32	81.94	94.07	-48.77	3,934.84	8,242.19	8,138.90	103.29	79.799	
14,700.00	6,227.00	10,752.00	6,297.59	152.97	81.94	94.07	-48.77	3,934.84	8,341.56	8,238.30	103.26	80.780	
14,800.00	6,227.00	10,752.00	6,297.59	154.62	81.94	94.07	-48.77	3,934.84	8,440.96	8,337.72	103.24	81.760	
14,900.00	6,227.00	10,752.00	6,297.59	156.28	81.94	94.07	-48.77	3,934.84	8,540.36	8,437.14	103.22	82.739	
15,000.00	6,227.00	10,752.00	6,297.59	157.94	81.94	94.07	-48.77	3,934.84	8,639.79	8,536.59	103.20	83.718	
15,100.00	6,227.00	10,752.00	6,297.59	159.60	81.94	94.07	-48.77	3,934.84	8,739.22	8,636.04	103.18	84.696	
15,200.00	6,227.00	10,752.00	6,297.59	161.27	81.94	94.07	-48.77	3,934.84	8,838.67	8,735.50	103.17	85.674	
15,300.00	6,227.00	10,752.00	6,297.59	162.94	81.94	94.07	-48.77	3,934.84	8,938.13	8,834.98	103.15	86.651	
15,400.00	6,227.00	10,752.00	6,297.59	164.61	81.94	94.07	-48.77	3,934.84	9,037.60	8,934.46	103.14	87.627	
15,500.00	6,227.00	10,752.00	6,297.59	166.28	81.94	94.07	-48.77	3,934.84	9,137.08	9,033.96	103.12	88.602	
15,600.00	6,227.00	10,752.00	6,297.59	167.95	81.94	94.07	-48.77	3,934.84	9,236.57	9,133.46	103.11	89.577	
15,700.00	6,227.00	10,752.00	6,297.59	169.63	81.94	94.07	-48.77	3,934.84	9,336.08	9,232.98	103.10	90.551	
15,800.00	6,227.00	10,752.00	6,297.59	171.31	81.94	94.07	-48.77	3,934.84	9,435.59	9,332.50	103.09	91.525	
15,900.00	6,227.00	10,752.00	6,297.59	172.99	81.94	94.07	-48.77	3,934.84	9,535.12	9,432.03	103.09	92.497	
16,000.00	6,227.00	10,752.00	6,297.59	174.68	81.94	94.07	-48.77	3,934.84	9,634.66	9,531.58	103.08	93.469	
16,100.00	6,227.00	10,752.00	6,297.59	176.36	81.94	94.07	-48.77	3,934.84	9,734.20	9,631.13	103.07	94.440	
16,200.00	6,227.00	10,752.00	6,297.59	178.05	81.94	94.07	-48.77	3,934.84	9,833.75	9,730.69	103.07	95.410	
16,300.00	6,227.00	10,752.00	6,297.59	179.74	81.94	94.07	-48.77	3,934.84	9,933.32	9,830.25	103.06	96.380	
16,400.00	6,227.00	10,752.00	6,297.59	181.43	81.94	94.07	-48.77	3,934.84	10,032.89	9,929.83	103.06	97.349	



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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: 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	0.80	80.15	1.11	80.66				
100.00	100.00	91.22	91.22	0.27	0.14	0.79	80.03	1.11	80.04	79.63	0.41	194.788	
200.00	200.00	191.46	191.46	0.63	0.42	0.87	79.60	1.20	79.61	78.56	1.05	75.728	
300.00	300.00	291.09	291.09	0.99	0.78	1.21	79.13	1.67	79.15	77.39	1.76	44.927	
400.00	399.98	391.03	391.02	1.34	1.13	-83.12	79.13	2.10	78.93	76.46	2.47	31.998	
500.00	499.84	491.63	491.63	1.69	1.49	-86.92	78.65	2.18	77.99	74.82	3.18	24.552	
600.00	599.45	591.15	591.14	2.06	1.84	-93.44	77.63	2.19	76.99	73.10	3.89	19.767	
608.35	607.75	599.35	599.34	2.09	1.87	-94.07	77.56	2.21	76.98	73.03	3.96	19.461	CC, ES
700.00	698.70	689.21	689.19	2.44	2.18	-101.57	77.69	2.99	78.47	73.85	4.62	16.986	
800.00	797.47	786.63	786.55	2.85	2.52	-109.70	80.27	5.18	84.35	78.99	5.35	15.755	
900.00	895.62	885.08	884.75	3.29	2.87	-116.52	85.70	9.51	94.54	88.43	6.11	15.470	
1,000.00	993.06	985.50	984.73	3.76	3.22	-122.29	91.92	16.57	106.58	99.69	6.90	15.452	SF
1,100.00	1,089.64	1,084.43	1,083.18	4.27	3.59	-127.94	97.19	24.68	120.20	112.50	7.70	15.618	
1,200.00	1,185.27	1,181.66	1,179.81	4.83	3.95	-132.75	103.52	33.47	137.25	128.75	8.50	16.147	
1,300.00	1,279.82	1,277.43	1,274.95	5.45	4.32	-137.08	110.40	41.86	158.24	148.93	9.30	17.011	
1,400.00	1,373.17	1,373.30	1,370.36	6.12	4.68	-141.46	116.43	49.07	183.24	173.15	10.09	18.155	
1,500.00	1,465.21	1,463.95	1,460.62	6.85	5.02	-145.12	122.31	55.06	212.77	201.92	10.85	19.604	
1,600.00	1,555.84	1,553.78	1,550.07	7.65	5.36	-148.15	129.07	59.79	247.45	235.84	11.61	21.315	
1,700.00	1,644.94	1,646.03	1,642.03	8.51	5.70	-151.03	135.14	63.88	286.04	273.67	12.37	23.116	
1,800.00	1,732.39	1,747.94	1,743.60	9.45	6.09	-153.81	141.03	69.62	326.94	313.73	13.20	24.766	
1,827.18	1,755.86	1,778.29	1,773.79	9.72	6.20	-154.54	142.61	72.34	337.80	324.36	13.44	25.129	
1,900.00	1,818.58	1,840.83	1,835.96	10.44	6.45	-156.02	146.22	78.13	367.27	353.28	13.99	26.260	
2,000.00	1,904.71	1,926.35	1,920.94	11.46	6.78	-157.57	152.25	85.59	408.81	394.08	14.73	27.744	
2,100.00	1,990.83	2,007.27	2,001.32	12.49	7.10	-158.64	159.22	91.61	452.02	436.55	15.46	29.237	
2,200.00	2,076.96	2,086.93	2,080.47	13.53	7.41	-159.44	167.14	96.01	497.25	481.07	16.18	30.736	
2,300.00	2,163.08	2,169.25	2,162.33	14.57	7.72	-160.18	175.27	99.17	544.03	527.12	16.91	32.169	
2,400.00	2,249.21	2,260.85	2,253.57	15.62	8.06	-161.05	182.79	102.03	591.25	573.54	17.71	33.389	
2,500.00	2,335.33	2,367.94	2,360.34	16.68	8.47	-162.11	189.17	107.06	636.89	618.28	18.61	34.230	
2,600.00	2,421.45	2,478.96	2,470.97	17.74	8.89	-163.24	193.01	115.55	679.66	660.16	19.50	34.853	
2,700.00	2,507.58	2,587.00	2,578.39	18.81	9.30	-164.32	194.76	126.92	719.69	699.34	20.36	35.356	
2,800.00	2,593.70	2,671.25	2,662.06	19.87	9.63	-164.97	197.22	136.48	759.32	738.24	21.08	36.016	
2,900.00	2,679.83	2,744.74	2,735.09	20.94	9.92	-165.37	201.12	143.59	800.78	779.02	21.75	36.814	
3,000.00	2,765.95	2,835.62	2,825.47	22.01	10.27	-165.79	206.35	151.55	843.16	820.62	22.54	37.400	
3,100.00	2,852.08	2,925.80	2,915.15	23.09	10.63	-166.16	211.59	159.53	885.51	862.18	23.33	37.950	
3,200.00	2,938.20	3,008.11	2,997.01	24.16	10.95	-166.47	216.53	166.40	928.35	904.29	24.07	38.575	
3,300.00	3,024.32	3,090.00	3,078.50	25.24	11.27	-166.72	221.83	172.57	971.98	947.19	24.80	39.198	
3,400.00	3,110.45	3,165.65	3,153.80	26.32	11.56	-166.92	227.17	177.46	1,016.63	991.15	25.48	39.901	
3,500.00	3,196.57	3,277.16	3,264.78	27.40	11.99	-167.17	235.21	184.86	1,061.20	1,034.75	26.45	40.118	
3,600.00	3,282.70	3,353.00	3,340.16	28.48	12.29	-167.29	241.32	190.41	1,105.18	1,078.03	27.15	40.709	
3,700.00	3,368.82	3,441.00	3,427.57	29.56	12.64	-167.35	249.65	196.30	1,149.82	1,121.86	27.95	41.132	
3,800.00	3,454.95	3,506.33	3,492.46	30.64	12.90	-167.37	256.31	199.88	1,195.54	1,166.97	28.57	41.848	
3,900.00	3,541.07	3,602.06	3,587.65	31.72	13.27	-167.43	265.43	204.28	1,242.07	1,212.63	29.44	42.189	
4,000.00	3,627.19	3,716.36	3,701.39	32.80	13.71	-167.60	274.14	211.36	1,287.01	1,256.56	30.45	42.265	
4,100.00	3,713.32	3,799.04	3,783.67	33.89	14.03	-167.73	280.14	216.90	1,331.50	1,300.30	31.20	42.679	
4,200.00	3,799.44	3,906.37	3,890.37	34.97	14.46	-167.84	288.78	224.71	1,375.53	1,343.37	32.16	42.778	
4,300.00	3,885.57	4,006.36	3,989.63	36.05	14.86	-167.90	297.54	233.01	1,418.68	1,385.62	33.06	42.912	
4,400.00	3,971.69	4,090.51	4,073.12	37.14	15.20	-167.94	305.08	240.30	1,461.54	1,427.70	33.84	43.190	
4,500.00	4,057.82	4,169.34	4,151.38	38.22	15.52	-167.97	312.30	246.31	1,505.32	1,470.74	34.58	43.536	
4,600.00	4,143.94	4,269.27	4,250.53	39.31	15.92	-167.99	321.96	254.16	1,548.93	1,513.44	35.49	43.641	
4,700.00	4,230.06	4,366.05	4,346.70	40.39	16.31	-168.08	329.34	262.14	1,592.07	1,555.70	36.36	43.782	
4,800.00	4,316.19	4,449.89	4,429.99	41.48	16.64	-168.15	335.82	269.20	1,635.08	1,597.95	37.13	44.036	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
4,900.00	4,402.31	4,551.20	4,530.68	42.57	17.05	-168.24	343.59	277.26	1,678.53	1,640.49	38.04	44.127	
5,000.00	4,488.44	4,635.00	4,613.84	43.65	17.39	-168.28	350.65	284.79	1,721.09	1,682.27	38.81	44.343	
5,100.00	4,574.56	4,703.31	4,681.71	44.74	17.66	-168.32	356.34	290.06	1,764.75	1,725.30	39.46	44.726	
5,200.00	4,660.69	4,779.16	4,757.18	45.83	17.96	-168.38	362.16	295.04	1,809.41	1,769.25	40.15	45.062	
5,300.00	4,746.81	4,894.67	4,872.13	46.91	18.41	-168.49	370.32	302.85	1,853.93	1,812.75	41.17	45.026	
5,400.00	4,832.93	5,016.36	4,993.09	48.00	18.89	-168.61	378.38	313.41	1,896.59	1,854.36	42.24	44.906	
5,500.00	4,919.06	5,088.32	5,064.61	49.09	19.18	-168.68	383.03	319.84	1,939.09	1,896.19	42.90	45.200	
5,600.00	5,005.18	5,182.86	5,158.61	50.17	19.56	-168.77	389.37	327.68	1,982.17	1,938.42	43.75	45.311	
5,700.00	5,091.31	5,270.13	5,245.33	51.26	19.90	-168.83	395.63	335.22	2,024.96	1,980.42	44.54	45.465	
5,800.00	5,177.43	5,350.20	5,324.86	52.35	20.23	-168.86	402.07	341.86	2,068.11	2,022.83	45.28	45.672	
5,900.00	5,263.56	5,433.63	5,407.71	53.44	20.56	-168.88	409.32	348.43	2,111.66	2,065.60	46.06	45.850	
6,000.00	5,349.68	5,493.94	5,467.64	54.53	20.80	-168.90	414.45	352.85	2,155.77	2,109.14	46.63	46.233	
6,100.00	5,435.80	5,550.00	5,523.53	55.61	21.02	-168.95	417.79	355.71	2,201.57	2,154.42	47.14	46.700	
6,200.00	5,521.93	5,607.76	5,581.20	56.70	21.22	-169.04	420.32	357.77	2,248.65	2,201.00	47.65	47.190	
6,300.00	5,608.05	5,638.00	5,611.39	57.79	21.33	-169.09	421.58	358.70	2,296.89	2,248.98	47.91	47.947	
6,400.00	5,694.18	5,697.75	5,671.11	58.88	21.54	-169.20	423.45	359.43	2,346.40	2,298.00	48.40	48.482	
6,479.32	5,762.49	5,735.31	5,708.66	59.74	21.66	-169.28	424.06	358.88	2,387.14	2,338.45	48.69	49.029	
6,500.00	5,780.28	5,776.16	5,749.50	59.97	21.78	-164.72	424.37	358.33	2,397.74	2,348.70	49.03	48.902	
6,550.00	5,822.98	5,813.00	5,786.34	60.51	21.90	-154.03	424.37	358.15	2,422.70	2,373.38	49.32	49.124	
6,600.00	5,865.00	5,850.47	5,823.77	61.05	22.00	-144.31	422.89	357.85	2,447.23	2,397.65	49.58	49.358	
6,650.00	5,906.01	5,871.37	5,844.57	61.57	22.06	-135.51	420.89	357.43	2,471.52	2,421.82	49.70	49.733	
6,700.00	5,945.70	5,900.00	5,872.89	62.08	22.13	-127.89	416.81	356.57	2,495.43	2,445.57	49.85	50.056	
6,750.00	5,983.77	5,900.00	5,872.89	62.56	22.13	-120.78	416.81	356.57	2,518.76	2,468.97	49.78	50.596	
6,800.00	6,019.92	5,900.00	5,872.89	63.02	22.13	-114.51	416.81	356.57	2,541.65	2,491.96	49.69	51.146	
6,850.00	6,053.90	5,931.87	5,904.15	63.45	22.20	-109.66	410.75	355.20	2,563.51	2,513.68	49.83	51.448	
6,900.00	6,085.42	6,200.65	6,149.91	63.86	22.68	-111.00	307.78	356.18	2,584.25	2,533.05	51.21	50.468	
6,950.00	6,114.26	6,201.78	6,150.83	64.23	22.68	-106.88	307.12	356.25	2,603.42	2,552.24	51.17	50.877	
7,000.00	6,140.20	6,201.29	6,150.43	64.58	22.68	-103.20	307.41	356.22	2,622.00	2,570.88	51.12	51.288	
7,050.00	6,163.03	6,199.33	6,148.84	64.89	22.68	-99.94	308.55	356.09	2,639.87	2,588.81	51.07	51.694	
7,100.00	6,182.59	6,196.04	6,146.16	65.17	22.68	-97.05	310.45	355.88	2,656.91	2,605.90	51.01	52.090	
7,150.00	6,198.73	6,166.00	6,121.30	65.42	22.64	-93.97	327.15	353.66	2,673.33	2,622.52	50.81	52.619	
7,200.00	6,211.32	6,166.00	6,121.30	65.65	22.64	-91.92	327.15	353.66	2,688.18	2,637.41	50.77	52.944	
7,250.00	6,220.26	6,166.00	6,121.30	65.84	22.64	-90.22	327.15	353.66	2,701.85	2,651.08	50.76	53.225	
7,300.00	6,225.50	6,166.00	6,121.30	66.01	22.64	-88.86	327.15	353.66	2,714.24	2,663.46	50.78	53.453	
7,344.70	6,227.00	5,956.90	5,928.49	66.14	22.26	-83.79	405.09	353.81	2,722.72	2,673.57	49.15	55.396	
7,400.00	6,227.00	5,952.39	5,924.11	66.29	22.25	-83.70	406.17	354.08	2,733.28	2,684.14	49.14	55.624	
7,500.00	6,227.00	5,944.73	5,916.68	66.58	22.23	-83.54	407.94	354.52	2,755.03	2,705.84	49.19	56.003	
7,600.00	6,227.00	5,937.67	5,909.81	66.90	22.22	-83.39	409.51	354.91	2,780.16	2,730.82	49.34	56.349	
7,700.00	6,227.00	5,931.15	5,903.44	67.24	22.20	-83.26	410.90	355.24	2,808.56	2,759.00	49.56	56.666	
7,800.00	6,227.00	5,900.00	5,872.89	67.61	22.13	-82.61	416.81	356.57	2,840.55	2,790.95	49.60	57.272	
7,900.00	6,227.00	5,900.00	5,872.89	68.00	22.13	-82.61	416.81	356.57	2,875.09	2,825.08	50.02	57.483	
8,000.00	6,227.00	5,900.00	5,872.89	68.43	22.13	-82.61	416.81	356.57	2,912.66	2,862.18	50.49	57.691	
8,100.00	6,227.00	5,900.00	5,872.89	68.88	22.13	-82.61	416.81	356.57	2,953.14	2,902.14	51.00	57.905	
8,200.00	6,227.00	5,900.00	5,872.89	69.36	22.13	-82.61	416.81	356.57	2,996.41	2,944.87	51.55	58.131	
8,300.00	6,227.00	5,900.00	5,872.89	69.88	22.13	-82.61	416.81	356.57	3,042.36	2,990.24	52.12	58.377	
8,400.00	6,227.00	5,900.00	5,872.89	70.43	22.13	-82.61	416.81	356.57	3,090.86	3,038.15	52.70	58.647	
8,500.00	6,227.00	5,900.00	5,872.89	71.00	22.13	-82.61	416.81	356.57	3,141.79	3,088.49	53.30	58.944	
8,600.00	6,227.00	5,900.00	5,872.89	71.62	22.13	-82.61	416.81	356.57	3,195.04	3,141.14	53.90	59.273	
8,700.00	6,227.00	5,900.00	5,872.89	72.26	22.13	-82.61	416.81	356.57	3,250.50	3,195.99	54.51	59.635	
8,800.00	6,227.00	5,900.00	5,872.89	72.94	22.13	-82.61	416.81	356.57	3,308.05	3,252.94	55.11	60.032	
8,900.00	6,227.00	5,900.00	5,872.89	73.66	22.13	-82.61	416.81	356.57	3,367.58	3,311.89	55.70	60.463	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,000.00	6,227.00	5,900.00	5,872.89	74.41	22.13	-82.61	416.81	356.57	3,429.00	3,372.72	56.28	60.930	
9,100.00	6,227.00	5,900.00	5,872.89	75.19	22.13	-82.61	416.81	356.57	3,492.21	3,435.36	56.85	61.431	
9,200.00	6,227.00	5,900.00	5,872.89	76.01	22.13	-82.61	416.81	356.57	3,557.10	3,499.69	57.40	61.967	
9,300.00	6,227.00	5,900.00	5,872.89	76.86	22.13	-82.61	416.81	356.57	3,623.59	3,565.64	57.94	62.536	
9,400.00	6,227.00	5,900.00	5,872.89	77.75	22.13	-82.61	416.81	356.57	3,691.59	3,633.12	58.47	63.137	
9,500.00	6,227.00	5,900.00	5,872.89	78.67	22.13	-82.61	416.81	356.57	3,761.02	3,702.04	58.98	63.769	
9,600.00	6,227.00	5,900.00	5,872.89	79.63	22.13	-82.61	416.81	356.57	3,831.80	3,772.33	59.47	64.431	
9,700.00	6,227.00	5,900.00	5,872.89	80.62	22.13	-82.61	416.81	356.57	3,903.87	3,843.92	59.95	65.122	
9,800.00	6,227.00	5,900.00	5,872.89	81.64	22.13	-82.61	416.81	356.57	3,977.14	3,916.73	60.41	65.839	
9,900.00	6,227.00	5,900.00	5,872.89	82.69	22.13	-82.61	416.81	356.57	4,051.55	3,990.70	60.85	66.583	
10,000.00	6,227.00	5,900.00	5,872.89	83.77	22.13	-82.61	416.81	356.57	4,127.05	4,065.77	61.28	67.350	
10,100.00	6,227.00	5,900.00	5,872.89	84.88	22.13	-82.61	416.81	356.57	4,203.56	4,141.88	61.69	68.141	
10,200.00	6,227.00	5,900.00	5,872.89	86.02	22.13	-82.61	416.81	356.57	4,281.05	4,218.97	62.09	68.955	
10,300.00	6,227.00	5,861.13	5,834.39	87.19	22.03	-81.79	421.98	357.66	4,357.95	4,295.78	62.17	70.102	
10,400.00	6,227.00	5,860.05	5,833.32	88.38	22.03	-81.77	422.08	357.68	4,437.13	4,374.60	62.53	70.960	
10,500.00	6,227.00	5,859.02	5,832.29	89.60	22.02	-81.74	422.17	357.70	4,517.13	4,454.25	62.88	71.837	
10,600.00	6,227.00	5,858.03	5,831.30	90.84	22.02	-81.72	422.26	357.72	4,597.92	4,534.70	63.22	72.730	
10,700.00	6,227.00	5,857.08	5,830.36	92.11	22.02	-81.70	422.35	357.74	4,679.44	4,615.90	63.54	73.641	
10,800.00	6,227.00	5,856.17	5,829.45	93.39	22.02	-81.68	422.43	357.75	4,761.67	4,697.81	63.86	74.567	
10,900.00	6,227.00	5,855.29	5,828.58	94.70	22.01	-81.66	422.50	357.77	4,844.57	4,780.41	64.16	75.507	
11,000.00	6,227.00	5,854.45	5,827.74	96.03	22.01	-81.65	422.57	357.78	4,928.09	4,863.64	64.45	76.461	
11,100.00	6,227.00	5,853.64	5,826.93	97.37	22.01	-81.63	422.64	357.80	5,012.23	4,947.49	64.73	77.429	
11,200.00	6,227.00	5,852.85	5,826.15	98.74	22.01	-81.61	422.70	357.81	5,096.93	5,031.92	65.00	78.408	
11,300.00	6,227.00	5,813.00	5,786.34	100.12	21.90	-80.77	424.37	358.15	5,183.74	5,118.73	65.01	79.742	
11,400.00	6,227.00	5,813.00	5,786.34	101.51	21.90	-80.77	424.37	358.15	5,269.45	5,204.18	65.27	80.736	
11,500.00	6,227.00	5,813.00	5,786.34	102.92	21.90	-80.77	424.37	358.15	5,355.65	5,290.13	65.52	81.741	
11,600.00	6,227.00	5,813.00	5,786.34	104.35	21.90	-80.77	424.37	358.15	5,442.33	5,376.57	65.76	82.756	
11,700.00	6,227.00	5,813.00	5,786.34	105.79	21.90	-80.77	424.37	358.15	5,529.46	5,463.46	66.00	83.781	
11,800.00	6,227.00	5,813.00	5,786.34	107.24	21.90	-80.77	424.37	358.15	5,617.01	5,550.79	66.23	84.815	
11,900.00	6,227.00	5,813.00	5,786.34	108.71	21.90	-80.77	424.37	358.15	5,704.98	5,638.53	66.45	85.858	
12,000.00	6,227.00	5,813.00	5,786.34	110.19	21.90	-80.77	424.37	358.15	5,793.33	5,726.67	66.66	86.908	
12,100.00	6,227.00	5,813.00	5,786.34	111.68	21.90	-80.77	424.37	358.15	5,882.06	5,815.19	66.87	87.967	
12,200.00	6,227.00	5,813.00	5,786.34	113.18	21.90	-80.77	424.37	358.15	5,971.14	5,904.08	67.07	89.033	
12,300.00	6,227.00	5,813.00	5,786.34	114.68	21.90	-80.77	424.37	358.15	6,060.57	5,993.31	67.26	90.105	
12,400.00	6,227.00	5,813.00	5,786.34	116.20	21.90	-80.77	424.37	358.15	6,150.32	6,082.87	67.45	91.184	
12,500.00	6,227.00	5,813.00	5,786.34	117.73	21.90	-80.77	424.37	358.15	6,240.38	6,172.75	67.63	92.269	
12,600.00	6,227.00	5,813.00	5,786.34	119.27	21.90	-80.77	424.37	358.15	6,330.74	6,262.93	67.81	93.360	
12,700.00	6,227.00	5,813.00	5,786.34	120.81	21.90	-80.77	424.37	358.15	6,421.39	6,353.40	67.98	94.456	
12,800.00	6,227.00	5,813.00	5,786.34	122.37	21.90	-80.77	424.37	358.15	6,512.31	6,444.16	68.15	95.557	
12,900.00	6,227.00	5,813.00	5,786.34	123.93	21.90	-80.77	424.37	358.15	6,603.49	6,535.18	68.31	96.663	
13,000.00	6,227.00	5,813.00	5,786.34	125.49	21.90	-80.77	424.37	358.15	6,694.92	6,626.45	68.47	97.774	
13,100.00	6,227.00	5,813.00	5,786.34	127.07	21.90	-80.77	424.37	358.15	6,786.60	6,717.97	68.63	98.888	
13,200.00	6,227.00	5,813.00	5,786.34	128.65	21.90	-80.77	424.37	358.15	6,878.51	6,809.73	68.78	100.007	
13,300.00	6,227.00	5,813.00	5,786.34	130.24	21.90	-80.77	424.37	358.15	6,970.64	6,901.71	68.93	101.129	
13,400.00	6,227.00	5,813.00	5,786.34	131.83	21.90	-80.77	424.37	358.15	7,062.98	6,993.91	69.07	102.255	
13,500.00	6,227.00	5,813.00	5,786.34	133.43	21.90	-80.77	424.37	358.15	7,155.53	7,086.32	69.21	103.385	
13,600.00	6,227.00	5,813.00	5,786.34	135.03	21.90	-80.77	424.37	358.15	7,248.28	7,178.93	69.35	104.517	
13,700.00	6,227.00	5,813.00	5,786.34	136.64	21.90	-80.77	424.37	358.15	7,341.22	7,271.74	69.48	105.652	
13,800.00	6,227.00	5,813.00	5,786.34	138.25	21.90	-80.77	424.37	358.15	7,434.34	7,364.73	69.62	106.790	
13,900.00	6,227.00	5,813.00	5,786.34	139.87	21.90	-80.77	424.37	358.15	7,527.64	7,457.90	69.75	107.931	
14,000.00	6,227.00	5,813.00	5,786.34	141.50	21.90	-80.77	424.37	358.15	7,621.11	7,551.24	69.87	109.073	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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: 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		
14,100.00	6,227.00	5,813.00	5,786.34	143.12	21.90	-80.77	424.37	358.15	7,714.74	7,644.75	70.00	110.218		
14,200.00	6,227.00	5,813.00	5,786.34	144.76	21.90	-80.77	424.37	358.15	7,808.53	7,738.42	70.12	111.365		
14,300.00	6,227.00	5,813.00	5,786.34	146.39	21.90	-80.77	424.37	358.15	7,902.48	7,832.24	70.24	112.514		
14,400.00	6,227.00	5,813.00	5,786.34	148.03	21.90	-80.77	424.37	358.15	7,996.57	7,926.21	70.35	113.665		
14,500.00	6,227.00	5,813.00	5,786.34	149.67	21.90	-80.77	424.37	358.15	8,090.80	8,020.33	70.47	114.817		
14,600.00	6,227.00	5,813.00	5,786.34	151.32	21.90	-80.77	424.37	358.15	8,185.17	8,114.59	70.58	115.971		
14,700.00	6,227.00	5,813.00	5,786.34	152.97	21.90	-80.77	424.37	358.15	8,279.67	8,208.98	70.69	117.126		
14,800.00	6,227.00	5,813.00	5,786.34	154.62	21.90	-80.77	424.37	358.15	8,374.29	8,303.49	70.80	118.282		
14,900.00	6,227.00	5,813.00	5,786.34	156.28	21.90	-80.77	424.37	358.15	8,469.05	8,398.14	70.91	119.439		
15,000.00	6,227.00	5,813.00	5,786.34	157.94	21.90	-80.77	424.37	358.15	8,563.92	8,492.90	71.01	120.598		
15,100.00	6,227.00	5,813.00	5,786.34	159.60	21.90	-80.77	424.37	358.15	8,658.90	8,587.79	71.12	121.757		
15,200.00	6,227.00	5,813.00	5,786.34	161.27	21.90	-80.77	424.37	358.15	8,754.00	8,682.78	71.22	122.917		
15,300.00	6,227.00	5,813.00	5,786.34	162.94	21.90	-80.77	424.37	358.15	8,849.21	8,777.89	71.32	124.077		
15,400.00	6,227.00	5,813.00	5,786.34	164.61	21.90	-80.77	424.37	358.15	8,944.52	8,873.10	71.42	125.238		
15,500.00	6,227.00	5,813.00	5,786.34	166.28	21.90	-80.77	424.37	358.15	9,039.93	8,968.41	71.52	126.400		
15,600.00	6,227.00	5,813.00	5,786.34	167.95	21.90	-80.77	424.37	358.15	9,135.44	9,063.82	71.62	127.562		
15,700.00	6,227.00	5,813.00	5,786.34	169.63	21.90	-80.77	424.37	358.15	9,231.04	9,159.33	71.71	128.724		
15,800.00	6,227.00	5,813.00	5,786.34	171.31	21.90	-80.77	424.37	358.15	9,326.74	9,254.94	71.81	129.887		
15,900.00	6,227.00	5,813.00	5,786.34	172.99	21.90	-80.77	424.37	358.15	9,422.53	9,350.63	71.90	131.050		
16,000.00	6,227.00	5,813.00	5,786.34	174.68	21.90	-80.77	424.37	358.15	9,518.40	9,446.41	71.99	132.212		
16,100.00	6,227.00	5,813.00	5,786.34	176.36	21.90	-80.77	424.37	358.15	9,614.36	9,542.27	72.09	133.375		
16,200.00	6,227.00	5,813.00	5,786.34	178.05	21.90	-80.77	424.37	358.15	9,710.40	9,638.22	72.18	134.538		
16,300.00	6,227.00	5,813.00	5,786.34	179.74	21.90	-80.77	424.37	358.15	9,806.52	9,734.25	72.27	135.700		
16,400.00	6,227.00	5,813.00	5,786.34	181.43	21.90	-80.77	424.37	358.15	9,902.71	9,830.36	72.36	136.863		
16,500.00	6,227.00	5,813.00	5,786.34	183.13	21.90	-80.77	424.37	358.15	9,998.98	9,926.54	72.44	138.025		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.80	59.75	0.84	60.43				
100.00	100.00	91.13	91.13	0.27	0.14	0.85	59.65	0.89	59.65	59.24	0.41	145.808	
200.00	200.00	191.08	191.08	0.63	0.44	1.07	59.42	1.11	59.43	58.36	1.07	55.796	
300.00	300.00	291.26	291.26	0.99	0.79	1.34	59.20	1.39	59.22	57.44	1.78	33.298	
400.00	399.98	391.38	391.37	1.34	1.14	-83.98	58.61	1.14	58.41	55.93	2.48	23.527	
500.00	499.84	491.01	491.00	1.69	1.49	-89.77	58.05	0.54	57.60	54.42	3.18	18.087	
531.73	531.48	522.67	522.66	1.81	1.61	-92.28	57.94	0.40	57.55	54.14	3.41	16.867 CC	
600.00	599.45	590.79	590.78	2.06	1.85	-98.44	57.67	0.54	57.85	53.95	3.90	14.831 ES	
700.00	698.70	690.67	690.63	2.44	2.20	-107.99	57.51	2.77	59.74	55.11	4.63	12.905	
800.00	797.47	790.95	790.75	2.85	2.55	-116.82	57.72	8.39	63.22	57.85	5.37	11.770	
900.00	895.62	891.30	890.66	3.29	2.91	-124.13	58.88	17.67	68.31	62.18	6.13	11.147	
1,000.00	993.06	990.84	989.32	3.76	3.28	-129.41	61.83	30.44	75.23	68.32	6.91	10.893 SF	
1,100.00	1,089.64	1,090.54	1,087.71	4.27	3.67	-132.96	67.64	45.50	85.14	77.43	7.71	11.042	
1,200.00	1,185.27	1,189.77	1,185.32	4.83	4.08	-136.16	74.29	62.01	97.11	88.57	8.54	11.371	
1,300.00	1,279.82	1,287.63	1,281.55	5.45	4.49	-139.46	81.52	78.28	112.34	102.96	9.38	11.982	
1,400.00	1,373.17	1,386.60	1,378.68	6.12	4.92	-142.36	89.83	95.33	130.59	120.36	10.23	12.765	
1,500.00	1,465.21	1,484.93	1,475.05	6.85	5.36	-145.11	98.05	113.07	151.19	140.11	11.09	13.639	
1,600.00	1,555.84	1,580.93	1,569.16	7.65	5.80	-147.74	106.01	130.31	175.02	163.09	11.93	14.671	
1,700.00	1,644.94	1,677.92	1,664.30	8.51	6.24	-150.39	113.50	147.54	202.07	189.30	12.76	15.830	
1,800.00	1,732.39	1,774.48	1,758.90	9.45	6.69	-152.68	121.01	165.41	231.81	218.21	13.60	17.041	
1,827.18	1,755.86	1,799.90	1,783.75	9.72	6.81	-153.18	123.19	170.26	240.39	226.55	13.83	17.376	
1,900.00	1,818.58	1,867.98	1,850.32	10.44	7.14	-154.54	129.28	183.19	263.91	249.46	14.45	18.266	
2,000.00	1,904.71	1,963.11	1,943.37	11.46	7.60	-156.16	137.47	201.17	296.37	281.07	15.30	19.375	
2,100.00	1,990.83	2,059.96	2,038.07	12.49	8.07	-157.54	145.30	219.90	328.48	312.32	16.16	20.332	
2,200.00	2,076.96	2,155.20	2,131.10	13.53	8.53	-158.67	152.78	238.91	360.09	343.08	17.01	21.170	
2,300.00	2,163.08	2,247.20	2,220.98	14.57	8.99	-159.51	160.57	256.93	392.27	374.41	17.86	21.968	
2,400.00	2,249.21	2,340.32	2,312.00	15.62	9.45	-160.21	168.73	274.82	424.94	406.22	18.72	22.706	
2,500.00	2,335.33	2,433.94	2,403.56	16.68	9.90	-160.83	176.87	292.57	457.88	438.31	19.58	23.389	
2,600.00	2,421.45	2,526.73	2,494.35	17.74	10.36	-161.38	184.81	309.98	491.03	470.59	20.43	24.029	
2,700.00	2,507.58	2,622.87	2,588.26	18.81	10.84	-161.69	194.62	328.13	524.36	503.02	21.34	24.568	
2,800.00	2,593.70	2,715.69	2,678.91	19.87	11.30	-162.01	203.62	345.90	557.38	535.15	22.22	25.080	
2,900.00	2,679.83	2,809.71	2,770.93	20.94	11.76	-162.40	211.75	363.38	590.77	567.67	23.10	25.579	
3,000.00	2,765.95	2,915.79	2,874.70	22.01	12.29	-162.88	219.85	383.87	623.37	599.34	24.04	25.932	
3,100.00	2,852.08	2,989.66	2,947.13	23.09	12.64	-163.28	224.53	397.57	656.52	631.78	24.73	26.544	
3,200.00	2,938.20	3,087.57	3,043.41	24.16	13.11	-163.80	230.61	414.28	691.12	665.52	25.59	27.006	
3,300.00	3,024.32	3,177.00	3,131.39	25.24	13.52	-164.26	235.69	429.43	725.77	699.39	26.38	27.513	
3,400.00	3,110.45	3,282.96	3,235.69	26.32	14.01	-164.96	239.19	447.81	759.84	732.59	27.25	27.885	
3,500.00	3,196.57	3,376.80	3,327.70	27.40	14.47	-165.30	245.08	465.17	793.19	765.11	28.09	28.241	
3,600.00	3,282.70	3,473.94	3,422.78	28.48	14.95	-165.51	252.56	483.64	826.24	797.26	28.98	28.512	
3,700.00	3,368.82	3,570.16	3,516.86	29.56	15.43	-165.65	260.85	502.07	859.25	829.37	29.88	28.759	
3,800.00	3,454.95	3,673.69	3,618.00	30.64	15.95	-165.83	269.02	522.55	891.59	860.77	30.82	28.927	
3,900.00	3,541.07	3,763.39	3,705.71	31.72	16.40	-166.08	274.40	540.58	923.45	891.81	31.64	29.187	
4,000.00	3,627.19	3,855.60	3,795.94	32.80	16.86	-166.27	280.76	558.45	956.10	923.61	32.49	29.432	
4,100.00	3,713.32	3,951.43	3,889.69	33.89	17.34	-166.45	287.55	577.18	988.62	955.26	33.36	29.634	
4,200.00	3,799.44	4,045.89	3,982.11	34.97	17.81	-166.63	293.89	595.65	1,021.10	986.88	34.22	29.837	
4,300.00	3,885.57	4,129.68	4,064.08	36.05	18.23	-166.74	300.42	611.74	1,054.03	1,019.02	35.02	30.101	
4,400.00	3,971.69	4,233.17	4,165.36	37.14	18.74	-166.85	308.66	631.30	1,087.27	1,051.31	35.97	30.230	
4,500.00	4,057.82	4,319.00	4,249.34	38.22	19.17	-166.92	315.86	647.51	1,120.53	1,083.74	36.78	30.462	
4,600.00	4,143.94	4,410.56	4,338.98	39.31	19.62	-166.97	323.83	664.38	1,154.27	1,116.61	37.65	30.657	
4,700.00	4,230.06	4,514.57	4,440.74	40.39	20.14	-167.06	332.30	684.14	1,187.41	1,148.80	38.61	30.753	
4,800.00	4,316.19	4,616.73	4,540.66	41.48	20.66	-167.16	340.07	703.91	1,220.20	1,180.65	39.55	30.852	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
4,900.00	4,402.31	4,720.36	4,641.73	42.57	21.19	-167.24	348.27	725.33	1,251.71	1,211.20	40.51	30.900	
5,000.00	4,488.44	4,809.95	4,729.07	43.65	21.66	-167.27	356.18	743.64	1,283.53	1,242.16	41.37	31.026	
5,100.00	4,574.56	4,893.35	4,810.53	44.74	22.08	-167.33	362.73	760.29	1,315.77	1,273.60	42.17	31.204	
5,200.00	4,660.69	4,971.71	4,887.32	45.83	22.46	-167.43	368.07	774.92	1,349.13	1,306.23	42.90	31.448	
5,300.00	4,746.81	5,067.32	4,981.27	46.91	22.92	-167.61	373.24	791.84	1,383.34	1,339.59	43.75	31.621	
5,400.00	4,832.93	5,167.60	5,079.77	48.00	23.40	-167.87	376.67	810.36	1,416.66	1,372.05	44.60	31.761	
5,500.00	4,919.06	5,258.84	5,169.38	49.09	23.84	-168.06	380.61	827.08	1,450.21	1,404.81	45.40	31.940	
5,600.00	5,005.18	5,335.18	5,244.33	50.17	24.20	-168.16	385.20	840.83	1,484.23	1,438.12	46.11	32.191	
5,700.00	5,091.31	5,430.81	5,338.26	51.26	24.66	-168.20	392.98	857.00	1,519.40	1,472.41	47.00	32.330	
5,800.00	5,177.43	5,549.51	5,454.54	52.35	25.25	-168.24	402.64	878.81	1,553.16	1,505.07	48.09	32.299	
5,900.00	5,263.56	5,640.00	5,542.99	53.44	25.70	-168.24	411.02	895.97	1,586.43	1,537.47	48.96	32.405	
6,000.00	5,349.68	5,729.53	5,630.52	54.53	26.15	-168.22	419.59	912.71	1,619.98	1,570.16	49.82	32.515	
6,100.00	5,435.80	5,816.00	5,715.07	55.61	26.59	-168.21	427.70	928.93	1,653.49	1,602.83	50.66	32.639	
6,200.00	5,521.93	5,874.61	5,772.76	56.70	26.84	-168.34	429.41	938.94	1,688.31	1,637.14	51.17	32.997	
6,300.00	5,608.05	5,970.00	5,870.04	57.79	27.56	-170.15	395.64	971.14	1,724.28	1,672.11	52.16	33.057	
6,400.00	5,694.18	6,141.22	6,027.71	58.88	27.74	-171.11	372.48	982.57	1,755.40	1,702.99	52.40	33.499	
6,479.32	5,762.49	6,230.92	6,104.52	59.74	27.94	-172.79	328.52	996.50	1,781.72	1,729.14	52.58	33.887	
6,500.00	5,780.28	6,233.32	6,105.67	59.97	27.94	-168.70	326.00	996.99	1,788.26	1,735.67	52.59	34.003	
6,550.00	5,822.98	6,293.71	6,153.18	60.51	28.05	-160.39	290.18	1,006.54	1,804.74	1,752.05	52.70	34.248	
6,600.00	5,865.00	6,318.84	6,171.42	61.05	28.09	-152.04	273.33	1,010.38	1,821.71	1,768.96	52.75	34.534	
6,650.00	5,906.01	6,343.00	6,188.26	61.57	28.13	-144.54	256.38	1,013.94	1,839.35	1,786.55	52.80	34.839	
6,700.00	5,945.70	6,343.00	6,188.26	62.08	28.13	-137.15	256.38	1,013.94	1,857.68	1,804.91	52.77	35.206	
6,750.00	5,983.77	6,343.00	6,188.26	62.56	28.13	-130.52	256.38	1,013.94	1,876.70	1,823.99	52.71	35.606	
6,800.00	6,019.92	6,343.00	6,188.26	63.02	28.13	-124.58	256.38	1,013.94	1,896.26	1,843.63	52.63	36.031	
6,850.00	6,053.90	6,343.00	6,188.26	63.45	28.13	-119.26	256.38	1,013.94	1,916.19	1,863.66	52.54	36.474	
6,900.00	6,085.42	6,343.00	6,188.26	63.86	28.13	-114.47	256.38	1,013.94	1,936.33	1,883.90	52.44	36.926	
6,950.00	6,114.26	6,343.00	6,188.26	64.23	28.13	-110.16	256.38	1,013.94	1,956.53	1,904.19	52.34	37.381	
7,000.00	6,140.20	6,343.00	6,188.26	64.58	28.13	-106.28	256.38	1,013.94	1,976.63	1,924.37	52.25	37.827	
7,050.00	6,163.03	6,343.00	6,188.26	64.89	28.13	-102.78	256.38	1,013.94	1,996.47	1,944.29	52.19	38.255	
7,100.00	6,182.59	6,343.00	6,188.26	65.17	28.13	-99.66	256.38	1,013.94	2,015.93	1,963.78	52.15	38.657	
7,150.00	6,198.73	6,343.00	6,188.26	65.42	28.13	-96.88	256.38	1,013.94	2,034.87	1,982.72	52.15	39.021	
7,200.00	6,211.32	6,317.30	6,170.32	65.65	28.09	-93.78	274.39	1,010.15	2,052.82	2,000.90	51.92	39.538	
7,250.00	6,220.26	6,305.04	6,161.49	65.84	28.07	-91.41	282.68	1,008.29	2,069.92	2,018.07	51.86	39.917	
7,300.00	6,225.50	6,292.01	6,151.91	66.01	28.04	-89.38	291.29	1,006.28	2,085.92	2,034.10	51.82	40.251	
7,344.70	6,227.00	6,279.78	6,142.75	66.14	28.03	-87.86	299.16	1,004.36	2,099.17	2,047.35	51.82	40.507	
7,400.00	6,227.00	6,255.00	6,123.70	66.29	27.99	-87.32	314.49	1,000.38	2,115.50	2,063.77	51.73	40.895	
7,500.00	6,227.00	6,255.00	6,123.70	66.58	27.99	-87.32	314.49	1,000.38	2,147.74	2,095.51	52.23	41.120	
7,600.00	6,227.00	6,209.72	6,087.09	66.90	27.89	-86.30	340.11	993.15	2,183.09	2,130.91	52.18	41.842	
7,700.00	6,227.00	6,167.00	6,050.53	67.24	27.81	-85.28	361.21	986.61	2,222.14	2,169.95	52.19	42.581	
7,800.00	6,227.00	6,167.00	6,050.53	67.61	27.81	-85.28	361.21	986.61	2,264.07	2,211.16	52.91	42.788	
7,900.00	6,227.00	6,167.00	6,050.53	68.00	27.81	-85.28	361.21	986.61	2,309.58	2,255.88	53.70	43.007	
8,000.00	6,227.00	6,167.00	6,050.53	68.43	27.81	-85.28	361.21	986.61	2,358.45	2,303.92	54.53	43.247	
8,100.00	6,227.00	6,167.00	6,050.53	68.88	27.81	-85.28	361.21	986.61	2,410.48	2,355.09	55.39	43.518	
8,200.00	6,227.00	6,125.69	6,013.75	69.36	27.69	-84.27	378.77	979.97	2,463.94	2,408.35	55.58	44.329	
8,300.00	6,227.00	6,117.15	6,006.01	69.88	27.67	-84.06	382.06	978.47	2,520.97	2,464.65	56.31	44.766	
8,400.00	6,227.00	6,078.00	5,970.04	70.43	27.56	-83.09	395.64	971.14	2,581.39	2,524.84	56.55	45.648	
8,500.00	6,227.00	6,078.00	5,970.04	71.00	27.56	-83.09	395.64	971.14	2,642.88	2,585.47	57.41	46.039	
8,600.00	6,227.00	6,078.00	5,970.04	71.62	27.56	-83.09	395.64	971.14	2,706.67	2,648.43	58.24	46.473	
8,700.00	6,227.00	6,078.00	5,970.04	72.26	27.56	-83.09	395.64	971.14	2,772.60	2,713.54	59.06	46.949	
8,800.00	6,227.00	6,078.00	5,970.04	72.94	27.56	-83.09	395.64	971.14	2,840.52	2,780.68	59.84	47.467	
8,900.00	6,227.00	6,078.00	5,970.04	73.66	27.56	-83.09	395.64	971.14	2,910.29	2,849.69	60.60	48.025	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,000.00	6,227.00	6,078.00	5,970.04	74.41	27.56	-83.09	395.64	971.14	2,981.79	2,920.46	61.33	48.621	
9,100.00	6,227.00	6,078.00	5,970.04	75.19	27.56	-83.09	395.64	971.14	3,054.88	2,992.86	62.02	49.253	
9,200.00	6,227.00	6,078.00	5,970.04	76.01	27.56	-83.09	395.64	971.14	3,129.47	3,066.77	62.69	49.919	
9,300.00	6,227.00	6,078.00	5,970.04	76.86	27.56	-83.09	395.64	971.14	3,205.43	3,142.11	63.33	50.617	
9,400.00	6,227.00	6,040.61	5,934.90	77.75	27.44	-82.14	406.24	964.07	3,281.75	3,218.30	63.44	51.728	
9,500.00	6,227.00	6,035.15	5,929.70	78.67	27.42	-82.00	407.59	963.10	3,359.89	3,295.93	63.96	52.531	
9,600.00	6,227.00	6,030.08	5,924.85	79.63	27.40	-81.88	408.80	962.20	3,439.13	3,374.67	64.46	53.354	
9,700.00	6,227.00	6,025.35	5,920.33	80.62	27.39	-81.76	409.89	961.38	3,519.39	3,454.45	64.94	54.197	
9,800.00	6,227.00	5,990.00	5,886.16	81.64	27.27	-80.85	416.83	955.59	3,601.29	3,536.26	65.03	55.379	
9,900.00	6,227.00	5,990.00	5,886.16	82.69	27.27	-80.85	416.83	955.59	3,683.25	3,617.73	65.52	56.212	
10,000.00	6,227.00	5,990.00	5,886.16	83.77	27.27	-80.85	416.83	955.59	3,766.08	3,700.08	66.00	57.065	
10,100.00	6,227.00	5,990.00	5,886.16	84.88	27.27	-80.85	416.83	955.59	3,849.72	3,783.28	66.45	57.938	
10,200.00	6,227.00	5,990.00	5,886.16	86.02	27.27	-80.85	416.83	955.59	3,934.13	3,867.26	66.87	58.830	
10,300.00	6,227.00	5,990.00	5,886.16	87.19	27.27	-80.85	416.83	955.59	4,019.26	3,951.97	67.28	59.738	
10,400.00	6,227.00	5,990.00	5,886.16	88.38	27.27	-80.85	416.83	955.59	4,105.05	4,037.38	67.67	60.662	
10,500.00	6,227.00	5,990.00	5,886.16	89.60	27.27	-80.85	416.83	955.59	4,191.48	4,123.43	68.04	61.601	
10,600.00	6,227.00	5,990.00	5,886.16	90.84	27.27	-80.85	416.83	955.59	4,278.49	4,210.09	68.40	62.553	
10,700.00	6,227.00	5,990.00	5,886.16	92.11	27.27	-80.85	416.83	955.59	4,366.06	4,297.33	68.74	63.518	
10,800.00	6,227.00	5,990.00	5,886.16	93.39	27.27	-80.85	416.83	955.59	4,454.16	4,385.10	69.06	64.496	
10,900.00	6,227.00	5,990.00	5,886.16	94.70	27.27	-80.85	416.83	955.59	4,542.75	4,473.38	69.37	65.484	
11,000.00	6,227.00	5,990.00	5,886.16	96.03	27.27	-80.85	416.83	955.59	4,631.80	4,562.13	69.67	66.483	
11,100.00	6,227.00	5,990.00	5,886.16	97.37	27.27	-80.85	416.83	955.59	4,721.29	4,651.34	69.95	67.491	
11,200.00	6,227.00	5,990.00	5,886.16	98.74	27.27	-80.85	416.83	955.59	4,811.20	4,740.97	70.23	68.508	
11,300.00	6,227.00	5,990.00	5,886.16	100.12	27.27	-80.85	416.83	955.59	4,901.49	4,831.00	70.49	69.534	
11,400.00	6,227.00	5,990.00	5,886.16	101.51	27.27	-80.85	416.83	955.59	4,992.16	4,921.42	70.74	70.568	
11,500.00	6,227.00	5,990.00	5,886.16	102.92	27.27	-80.85	416.83	955.59	5,083.18	5,012.19	70.99	71.609	
11,600.00	6,227.00	5,990.00	5,886.16	104.35	27.27	-80.85	416.83	955.59	5,174.53	5,103.31	71.22	72.657	
11,700.00	6,227.00	5,990.00	5,886.16	105.79	27.27	-80.85	416.83	955.59	5,266.19	5,194.75	71.44	73.712	
11,800.00	6,227.00	5,990.00	5,886.16	107.24	27.27	-80.85	416.83	955.59	5,358.15	5,286.49	71.66	74.772	
11,900.00	6,227.00	5,953.77	5,850.76	108.71	27.14	-79.92	422.24	950.12	5,449.76	5,378.19	71.58	76.138	
12,000.00	6,227.00	5,951.29	5,848.33	110.19	27.13	-79.86	422.56	949.76	5,542.19	5,470.43	71.76	77.230	
12,100.00	6,227.00	5,948.90	5,845.98	111.68	27.12	-79.79	422.87	949.41	5,634.86	5,562.92	71.94	78.325	
12,200.00	6,227.00	5,946.58	5,843.70	113.18	27.11	-79.73	423.17	949.07	5,727.78	5,655.67	72.12	79.424	
12,300.00	6,227.00	5,944.34	5,841.51	114.68	27.11	-79.68	423.45	948.75	5,820.93	5,748.64	72.29	80.527	
12,400.00	6,227.00	5,942.18	5,839.38	116.20	27.10	-79.62	423.71	948.44	5,914.30	5,841.85	72.45	81.634	
12,500.00	6,227.00	5,940.08	5,837.32	117.73	27.09	-79.57	423.97	948.14	6,007.87	5,935.26	72.61	82.743	
12,600.00	6,227.00	5,902.00	5,799.81	119.27	26.96	-78.59	427.85	942.86	6,102.27	6,029.78	72.50	84.172	
12,700.00	6,227.00	5,902.00	5,799.81	120.81	26.96	-78.59	427.85	942.86	6,196.17	6,123.51	72.67	85.270	
12,800.00	6,227.00	5,902.00	5,799.81	122.37	26.96	-78.59	427.85	942.86	6,290.26	6,217.43	72.83	86.372	
12,900.00	6,227.00	5,902.00	5,799.81	123.93	26.96	-78.59	427.85	942.86	6,384.53	6,311.54	72.99	87.476	
13,000.00	6,227.00	5,902.00	5,799.81	125.49	26.96	-78.59	427.85	942.86	6,478.97	6,405.83	73.14	88.583	
13,100.00	6,227.00	5,902.00	5,799.81	127.07	26.96	-78.59	427.85	942.86	6,573.57	6,500.28	73.29	89.693	
13,200.00	6,227.00	5,902.00	5,799.81	128.65	26.96	-78.59	427.85	942.86	6,668.34	6,594.90	73.44	90.805	
13,300.00	6,227.00	5,902.00	5,799.81	130.24	26.96	-78.59	427.85	942.86	6,763.25	6,689.67	73.58	91.920	
13,400.00	6,227.00	5,902.00	5,799.81	131.83	26.96	-78.59	427.85	942.86	6,858.31	6,784.59	73.72	93.036	
13,500.00	6,227.00	5,902.00	5,799.81	133.43	26.96	-78.59	427.85	942.86	6,953.50	6,879.65	73.85	94.155	
13,600.00	6,227.00	5,902.00	5,799.81	135.03	26.96	-78.59	427.85	942.86	7,048.83	6,974.85	73.98	95.275	
13,700.00	6,227.00	5,902.00	5,799.81	136.64	26.96	-78.59	427.85	942.86	7,144.29	7,070.17	74.11	96.396	
13,800.00	6,227.00	5,902.00	5,799.81	138.25	26.96	-78.59	427.85	942.86	7,239.87	7,165.63	74.24	97.520	
13,900.00	6,227.00	5,902.00	5,799.81	139.87	26.96	-78.59	427.85	942.86	7,335.56	7,261.20	74.36	98.644	
14,000.00	6,227.00	5,902.00	5,799.81	141.50	26.96	-78.59	427.85	942.86	7,431.37	7,356.89	74.49	99.770	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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: 120-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	6,227.00	5,902.00	5,799.81	143.12	26.96	-78.59	427.85	942.86	7,527.29	7,452.69	74.60	100.897	
14,200.00	6,227.00	5,902.00	5,799.81	144.76	26.96	-78.59	427.85	942.86	7,623.32	7,548.60	74.72	102.025	
14,300.00	6,227.00	5,902.00	5,799.81	146.39	26.96	-78.59	427.85	942.86	7,719.44	7,644.61	74.83	103.153	
14,400.00	6,227.00	5,902.00	5,799.81	148.03	26.96	-78.59	427.85	942.86	7,815.67	7,740.72	74.95	104.283	
14,500.00	6,227.00	5,902.00	5,799.81	149.67	26.96	-78.59	427.85	942.86	7,911.98	7,836.93	75.06	105.413	
14,600.00	6,227.00	5,902.00	5,799.81	151.32	26.96	-78.59	427.85	942.86	8,008.39	7,933.22	75.17	106.543	
14,700.00	6,227.00	5,902.00	5,799.81	152.97	26.96	-78.59	427.85	942.86	8,104.88	8,029.61	75.27	107.675	
14,800.00	6,227.00	5,902.00	5,799.81	154.62	26.96	-78.59	427.85	942.86	8,201.46	8,126.08	75.38	108.806	
14,900.00	6,227.00	5,902.00	5,799.81	156.28	26.96	-78.59	427.85	942.86	8,298.12	8,222.64	75.48	109.938	
15,000.00	6,227.00	5,902.00	5,799.81	157.94	26.96	-78.59	427.85	942.86	8,394.86	8,319.27	75.58	111.070	
15,100.00	6,227.00	5,902.00	5,799.81	159.60	26.96	-78.59	427.85	942.86	8,491.67	8,415.99	75.68	112.202	
15,200.00	6,227.00	5,902.00	5,799.81	161.27	26.96	-78.59	427.85	942.86	8,588.55	8,512.77	75.78	113.334	
15,300.00	6,227.00	5,902.00	5,799.81	162.94	26.96	-78.59	427.85	942.86	8,685.51	8,609.63	75.88	114.467	
15,400.00	6,227.00	5,902.00	5,799.81	164.61	26.96	-78.59	427.85	942.86	8,782.54	8,706.56	75.97	115.599	
15,500.00	6,227.00	5,902.00	5,799.81	166.28	26.96	-78.59	427.85	942.86	8,879.63	8,803.56	76.07	116.731	
15,600.00	6,227.00	5,902.00	5,799.81	167.95	26.96	-78.59	427.85	942.86	8,976.78	8,900.62	76.16	117.863	
15,700.00	6,227.00	5,902.00	5,799.81	169.63	26.96	-78.59	427.85	942.86	9,074.00	8,997.74	76.26	118.994	
15,800.00	6,227.00	5,902.00	5,799.81	171.31	26.96	-78.59	427.85	942.86	9,171.27	9,094.93	76.35	120.126	
15,900.00	6,227.00	5,902.00	5,799.81	172.99	26.96	-78.59	427.85	942.86	9,268.61	9,192.17	76.44	121.256	
16,000.00	6,227.00	5,902.00	5,799.81	174.68	26.96	-78.59	427.85	942.86	9,366.00	9,289.47	76.53	122.387	
16,100.00	6,227.00	5,902.00	5,799.81	176.36	26.96	-78.59	427.85	942.86	9,463.44	9,386.82	76.62	123.517	
16,200.00	6,227.00	5,902.00	5,799.81	178.05	26.96	-78.59	427.85	942.86	9,560.94	9,484.23	76.70	124.646	
16,300.00	6,227.00	5,902.00	5,799.81	179.74	26.96	-78.59	427.85	942.86	9,658.49	9,581.70	76.79	125.775	
16,400.00	6,227.00	5,902.00	5,799.81	181.43	26.96	-78.59	427.85	942.86	9,756.09	9,679.21	76.88	126.903	
16,500.00	6,227.00	5,902.00	5,799.81	183.13	26.96	-78.59	427.85	942.86	9,853.73	9,776.77	76.96	128.031	
16,600.00	6,227.00	5,902.00	5,799.81	184.82	26.96	-78.59	427.85	942.86	9,951.43	9,874.38	77.05	129.158	
16,700.00	6,227.00	5,902.00	5,799.81	186.52	26.96	-78.59	427.85	942.86	10,049.16	9,972.03	77.13	130.284	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 F-J-36HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 87-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-77.27	27.32	-120.95	124.48				
100.00	100.00	88.89	88.89	0.27	0.14	-77.12	27.64	-120.92	124.03	123.63	0.40	306.518	CC
200.00	200.00	188.81	188.81	0.63	0.49	-76.84	28.26	-120.90	124.15	123.03	1.12	110.741	
300.00	300.00	288.69	288.68	0.99	0.85	-76.62	28.78	-120.98	124.35	122.52	1.84	67.692	ES
400.00	399.98	388.60	388.60	1.34	1.21	-160.04	29.31	-121.15	126.29	123.74	2.55	49.581	
500.00	499.84	488.82	488.81	1.69	1.57	-160.50	29.99	-121.17	131.38	128.12	3.26	40.317	
600.00	599.45	589.27	589.26	2.06	1.92	-161.38	30.58	-120.79	139.38	135.41	3.97	35.094	
700.00	698.70	689.43	689.42	2.44	2.28	-162.58	30.99	-119.80	150.09	145.41	4.69	32.033	
800.00	797.47	788.91	788.88	2.85	2.62	-163.85	31.58	-118.33	163.75	158.35	5.40	30.316	
900.00	895.62	887.37	887.33	3.29	2.97	-165.23	32.00	-116.78	180.70	174.58	6.12	29.529	
1,000.00	993.06	985.38	985.32	3.76	3.32	-166.50	32.73	-115.16	201.02	194.18	6.84	29.381	SF
1,100.00	1,089.64	1,087.50	1,087.38	4.27	3.69	-167.46	34.55	-112.37	223.84	216.26	7.58	29.514	
1,200.00	1,185.27	1,191.40	1,191.06	4.83	4.06	-168.02	37.83	-106.48	247.28	238.94	8.34	29.654	
1,300.00	1,279.82	1,295.52	1,294.71	5.45	4.45	-168.37	42.08	-97.57	271.33	262.23	9.10	29.810	
1,400.00	1,373.17	1,398.36	1,396.77	6.12	4.83	-168.56	47.19	-86.04	296.19	286.31	9.87	30.003	
1,500.00	1,465.21	1,494.04	1,491.54	6.85	5.20	-168.52	53.37	-74.44	323.58	312.95	10.64	30.418	
1,600.00	1,555.84	1,589.95	1,586.46	7.65	5.58	-168.41	60.56	-62.75	354.25	342.83	11.42	31.027	
1,700.00	1,644.94	1,696.21	1,691.46	8.51	6.01	-168.40	68.46	-48.53	387.08	374.84	12.24	31.622	
1,800.00	1,732.39	1,803.44	1,796.71	9.45	6.46	-168.38	76.86	-29.86	419.22	406.14	13.08	32.050	
1,827.18	1,755.86	1,830.73	1,823.42	9.72	6.58	-168.36	79.17	-24.73	428.18	414.87	13.31	32.171	
1,900.00	1,818.58	1,903.45	1,894.46	10.44	6.90	-168.37	85.61	-10.56	452.03	438.11	13.92	32.484	
2,000.00	1,904.71	2,001.88	1,990.59	11.46	7.35	-168.57	92.68	9.36	483.96	469.21	14.75	32.818	
2,100.00	1,990.83	2,091.07	2,077.80	12.49	7.75	-168.84	98.21	27.16	516.11	500.56	15.55	33.192	
2,200.00	2,076.96	2,194.21	2,178.67	13.53	8.24	-169.08	104.92	47.64	548.42	532.01	16.41	33.425	
2,300.00	2,163.08	2,292.90	2,274.74	14.57	8.71	-169.20	111.97	69.11	578.88	561.61	17.26	33.534	
2,400.00	2,249.21	2,383.61	2,363.16	15.62	9.14	-169.33	118.24	88.34	609.88	591.79	18.09	33.713	
2,500.00	2,335.33	2,478.54	2,455.75	16.68	9.60	-169.44	124.95	108.20	641.17	622.23	18.94	33.856	
2,600.00	2,421.45	2,605.56	2,578.66	17.74	10.26	-169.26	137.19	137.69	670.38	650.42	19.95	33.596	
2,700.00	2,507.58	2,693.48	2,663.03	18.81	10.73	-168.93	148.05	159.92	697.61	676.77	20.84	33.472	
2,800.00	2,593.70	2,779.86	2,746.26	19.87	11.19	-168.67	158.35	180.61	726.17	704.46	21.72	33.441	
2,900.00	2,679.83	2,862.00	2,825.84	20.94	11.63	-168.57	166.51	199.19	755.98	733.43	22.55	33.529	
3,000.00	2,765.95	2,952.24	2,913.59	22.01	12.09	-168.53	174.93	218.52	786.90	763.49	23.41	33.612	
3,100.00	2,852.08	3,034.70	2,993.93	23.09	12.50	-168.46	183.07	235.18	819.03	794.80	24.23	33.807	
3,200.00	2,938.20	3,114.00	3,071.59	24.16	12.89	-168.49	189.77	249.78	852.79	827.79	25.00	34.107	
3,300.00	3,024.32	3,198.56	3,154.64	25.24	13.29	-168.54	196.62	264.16	887.88	862.07	25.80	34.411	
3,400.00	3,110.45	3,300.22	3,254.47	26.32	13.78	-168.54	205.79	280.97	923.48	896.75	26.73	34.547	
3,500.00	3,196.57	3,438.20	3,389.13	27.40	14.47	-168.45	219.37	307.76	956.50	928.58	27.92	34.259	
3,600.00	3,282.70	3,587.28	3,532.34	28.48	15.32	-168.12	237.45	344.96	984.03	954.84	29.19	33.708	
3,700.00	3,368.82	3,694.53	3,633.89	29.56	15.96	-167.74	252.80	375.82	1,007.88	977.62	30.26	33.311	
3,800.00	3,454.95	3,777.09	3,712.32	30.64	16.47	-167.46	264.62	398.69	1,032.87	1,001.69	31.19	33.119	
3,900.00	3,541.07	3,872.00	3,802.88	31.72	17.04	-167.22	277.03	424.28	1,058.60	1,026.42	32.18	32.901	
4,000.00	3,627.19	3,953.33	3,880.79	32.80	17.51	-167.09	286.62	445.52	1,085.07	1,052.01	33.06	32.822	
4,100.00	3,713.32	4,035.07	3,959.46	33.89	17.98	-167.01	295.50	465.86	1,112.73	1,078.80	33.93	32.798	
4,200.00	3,799.44	4,114.60	4,036.34	34.97	18.42	-166.97	303.73	484.52	1,141.73	1,106.97	34.76	32.844	
4,300.00	3,885.57	4,223.52	4,141.64	36.05	19.03	-166.89	315.34	509.79	1,171.04	1,135.24	35.81	32.706	
4,400.00	3,971.69	4,305.87	4,221.05	37.14	19.49	-166.80	324.86	529.40	1,199.85	1,163.18	36.67	32.718	
4,500.00	4,057.82	4,379.00	4,291.95	38.22	19.89	-166.74	333.03	545.38	1,230.48	1,193.02	37.46	32.848	
4,600.00	4,143.94	4,459.60	4,370.46	39.31	20.31	-166.73	341.09	561.74	1,262.51	1,224.24	38.27	32.990	
4,700.00	4,230.06	4,538.47	4,447.57	40.39	20.71	-166.79	347.69	576.90	1,295.48	1,256.44	39.04	33.182	
4,800.00	4,316.19	4,611.74	4,519.42	41.48	21.07	-166.85	353.73	589.89	1,329.84	1,290.09	39.75	33.453	
4,900.00	4,402.31	4,689.51	4,595.89	42.57	21.43	-166.91	360.12	602.58	1,365.54	1,325.05	40.49	33.726	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 F-J-36HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 87-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.00	4,488.44	4,759.00	4,664.35	43.65	21.76	-166.99	365.36	613.22	1,402.23	1,361.09	41.14	34.086	
5,100.00	4,574.56	4,840.63	4,744.99	44.74	22.11	-167.12	370.76	624.66	1,440.01	1,398.14	41.87	34.393	
5,200.00	4,660.69	4,909.78	4,813.50	45.83	22.40	-167.26	374.58	633.26	1,479.15	1,436.68	42.47	34.827	
5,300.00	4,746.81	4,973.71	4,876.99	46.91	22.65	-167.41	377.70	640.06	1,519.91	1,476.90	43.01	35.342	
5,400.00	4,832.93	5,037.55	4,940.53	48.00	22.90	-167.57	380.43	645.67	1,562.30	1,518.78	43.52	35.899	
5,500.00	4,919.06	5,101.83	5,004.61	49.09	23.12	-167.75	382.58	650.22	1,606.20	1,562.18	44.02	36.490	
5,600.00	5,005.18	5,170.32	5,072.97	50.17	23.36	-167.96	384.26	653.96	1,651.48	1,606.94	44.54	37.078	
5,700.00	5,091.31	5,245.14	5,147.69	51.26	23.60	-168.18	386.20	657.37	1,697.62	1,652.50	45.12	37.622	
5,800.00	5,177.43	5,317.69	5,220.17	52.35	23.84	-168.38	388.12	660.07	1,744.54	1,698.86	45.68	38.189	
5,900.00	5,263.56	5,390.00	5,292.43	53.44	24.06	-168.60	389.57	662.05	1,792.30	1,746.07	46.23	38.767	
6,000.00	5,349.68	5,450.81	5,353.23	54.53	24.23	-168.79	390.34	662.99	1,841.09	1,794.44	46.65	39.467	
6,100.00	5,435.80	5,517.00	5,419.42	55.61	24.42	-169.00	390.66	663.04	1,891.11	1,844.00	47.11	40.141	
6,200.00	5,521.93	5,599.93	5,502.35	56.70	24.64	-169.28	390.76	662.57	1,941.74	1,894.01	47.73	40.680	
6,300.00	5,608.05	5,690.89	5,593.30	57.79	24.88	-169.57	390.59	662.28	1,992.18	1,943.75	48.43	41.135	
6,400.00	5,694.18	5,781.18	5,683.56	58.88	25.11	-169.91	388.28	662.12	2,042.46	1,993.36	49.10	41.595	
6,479.32	5,762.49	5,836.00	5,738.30	59.74	25.24	-170.16	385.30	661.95	2,082.43	2,032.97	49.46	42.102	
6,500.00	5,780.28	5,850.51	5,752.75	59.97	25.28	-165.58	384.02	661.81	2,092.92	2,043.37	49.55	42.239	
6,550.00	5,822.98	5,881.84	5,783.87	60.51	25.35	-154.97	380.42	661.38	2,118.22	2,068.51	49.71	42.611	
6,600.00	5,865.00	5,910.92	5,812.57	61.05	25.41	-145.25	375.76	660.82	2,143.30	2,093.48	49.82	43.017	
6,650.00	5,906.01	5,932.00	5,833.21	61.57	25.45	-136.45	371.55	660.30	2,168.13	2,118.28	49.85	43.490	
6,700.00	5,945.70	5,953.75	5,854.36	62.08	25.48	-128.70	366.51	659.63	2,192.65	2,142.78	49.87	43.970	
6,750.00	5,983.77	5,965.00	5,865.23	62.56	25.50	-121.70	363.64	659.22	2,216.82	2,167.03	49.79	44.525	
6,800.00	6,019.92	5,982.51	5,882.05	63.02	25.53	-115.71	358.83	658.48	2,240.52	2,190.78	49.74	45.041	
6,850.00	6,053.90	5,996.00	5,894.92	63.45	25.55	-110.40	354.85	657.82	2,263.69	2,214.03	49.66	45.581	
6,900.00	6,085.42	5,996.00	5,894.92	63.86	25.55	-105.42	354.85	657.82	2,286.22	2,236.75	49.47	46.212	
6,950.00	6,114.26	6,010.70	5,908.84	64.23	25.56	-101.42	350.20	657.04	2,307.95	2,258.55	49.40	46.720	
7,000.00	6,140.20	6,016.00	5,913.83	64.58	25.57	-97.71	348.44	656.74	2,328.83	2,279.58	49.26	47.279	
7,050.00	6,163.03	6,019.12	5,916.76	64.89	25.58	-94.43	347.38	656.57	2,348.75	2,299.64	49.11	47.827	
7,100.00	6,182.59	6,028.00	5,925.07	65.17	25.59	-91.74	344.29	656.05	2,367.61	2,318.58	49.03	48.288	
7,150.00	6,198.73	6,028.00	5,925.07	65.42	25.59	-89.22	344.29	656.05	2,385.25	2,336.36	48.90	48.779	
7,200.00	6,211.32	6,017.55	5,915.29	65.65	25.57	-86.84	347.91	656.66	2,401.56	2,352.87	48.70	49.318	
7,250.00	6,220.26	6,014.04	5,911.98	65.84	25.57	-85.00	349.09	656.85	2,416.50	2,367.91	48.59	49.730	
7,300.00	6,225.50	6,009.30	5,907.52	66.01	25.56	-83.50	350.65	657.11	2,429.93	2,381.41	48.52	50.081	
7,344.70	6,227.00	5,996.00	5,894.92	66.14	25.55	-82.24	354.85	657.82	2,440.61	2,392.22	48.40	50.430	
7,400.00	6,227.00	5,996.00	5,894.92	66.29	25.55	-82.24	354.85	657.82	2,453.51	2,405.04	48.47	50.622	
7,500.00	6,227.00	5,996.00	5,894.92	66.58	25.55	-82.24	354.85	657.82	2,479.78	2,431.09	48.69	50.925	
7,600.00	6,227.00	5,978.06	5,877.78	66.90	25.52	-81.83	360.10	658.68	2,509.57	2,460.75	48.81	51.410	
7,700.00	6,227.00	5,965.00	5,865.23	67.24	25.50	-81.53	363.64	659.22	2,542.90	2,493.81	49.08	51.808	
7,800.00	6,227.00	5,965.00	5,865.23	67.61	25.50	-81.53	363.64	659.22	2,579.57	2,529.98	49.60	52.010	
7,900.00	6,227.00	5,965.00	5,865.23	68.00	25.50	-81.53	363.64	659.22	2,619.55	2,569.37	50.18	52.202	
8,000.00	6,227.00	5,947.44	5,848.24	68.43	25.47	-81.13	368.04	659.85	2,662.48	2,611.89	50.59	52.625	
8,100.00	6,227.00	5,932.00	5,833.21	68.88	25.45	-80.77	371.55	660.30	2,708.50	2,657.42	51.08	53.029	
8,200.00	6,227.00	5,932.00	5,833.21	69.36	25.45	-80.77	371.55	660.30	2,757.22	2,705.43	51.79	53.240	
8,300.00	6,227.00	5,932.00	5,833.21	69.88	25.45	-80.77	371.55	660.30	2,808.65	2,756.13	52.52	53.477	
8,400.00	6,227.00	5,932.00	5,833.21	70.43	25.45	-80.77	371.55	660.30	2,862.66	2,809.40	53.26	53.746	
8,500.00	6,227.00	5,932.00	5,833.21	71.00	25.45	-80.77	371.55	660.30	2,919.09	2,865.08	54.01	54.049	
8,600.00	6,227.00	5,915.46	5,817.03	71.62	25.41	-80.38	374.91	660.72	2,977.61	2,923.06	54.55	54.583	
8,700.00	6,227.00	5,900.00	5,801.81	72.26	25.38	-80.02	377.67	661.05	3,038.47	2,983.36	55.11	55.136	
8,800.00	6,227.00	5,900.00	5,801.81	72.94	25.38	-80.02	377.67	661.05	3,101.19	3,045.35	55.84	55.542	
8,900.00	6,227.00	5,900.00	5,801.81	73.66	25.38	-80.02	377.67	661.05	3,165.82	3,109.27	56.55	55.987	
9,000.00	6,227.00	5,900.00	5,801.81	74.41	25.38	-80.02	377.67	661.05	3,232.26	3,175.02	57.24	56.471	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 F-J-36HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 87-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,100.00	6,227.00	5,900.00	5,801.81	75.19	25.38	-80.02	377.67	661.05	3,300.38	3,242.48	57.91	56.992	
9,200.00	6,227.00	5,900.00	5,801.81	76.01	25.38	-80.02	377.67	661.05	3,370.10	3,311.55	58.56	57.551	
9,300.00	6,227.00	5,900.00	5,801.81	76.86	25.38	-80.02	377.67	661.05	3,441.32	3,382.13	59.19	58.144	
9,400.00	6,227.00	5,900.00	5,801.81	77.75	25.38	-80.02	377.67	661.05	3,513.93	3,454.14	59.79	58.770	
9,500.00	6,227.00	5,885.85	5,787.84	78.67	25.35	-79.69	379.85	661.31	3,587.71	3,527.47	60.24	59.560	
9,600.00	6,227.00	5,883.38	5,785.39	79.63	25.35	-79.63	380.20	661.36	3,662.82	3,602.04	60.78	60.267	
9,700.00	6,227.00	5,868.00	5,770.14	80.62	25.32	-79.28	382.17	661.60	3,739.22	3,678.04	61.18	61.122	
9,800.00	6,227.00	5,868.00	5,770.14	81.64	25.32	-79.28	382.17	661.60	3,816.53	3,754.84	61.70	61.857	
9,900.00	6,227.00	5,868.00	5,770.14	82.69	25.32	-79.28	382.17	661.60	3,894.88	3,832.68	62.20	62.618	
10,000.00	6,227.00	5,868.00	5,770.14	83.77	25.32	-79.28	382.17	661.60	3,974.20	3,911.52	62.68	63.404	
10,100.00	6,227.00	5,868.00	5,770.14	84.88	25.32	-79.28	382.17	661.60	4,054.43	3,991.29	63.14	64.212	
10,200.00	6,227.00	5,868.00	5,770.14	86.02	25.32	-79.28	382.17	661.60	4,135.53	4,071.94	63.58	65.041	
10,300.00	6,227.00	5,868.00	5,770.14	87.19	25.32	-79.28	382.17	661.60	4,217.43	4,153.43	64.01	65.890	
10,400.00	6,227.00	5,868.00	5,770.14	88.38	25.32	-79.28	382.17	661.60	4,300.10	4,235.69	64.41	66.758	
10,500.00	6,227.00	5,868.00	5,770.14	89.60	25.32	-79.28	382.17	661.60	4,383.50	4,318.70	64.80	67.643	
10,600.00	6,227.00	5,868.00	5,770.14	90.84	25.32	-79.28	382.17	661.60	4,467.57	4,402.40	65.18	68.545	
10,700.00	6,227.00	5,868.00	5,770.14	92.11	25.32	-79.28	382.17	661.60	4,552.29	4,486.76	65.54	69.462	
10,800.00	6,227.00	5,868.00	5,770.14	93.39	25.32	-79.28	382.17	661.60	4,637.62	4,571.74	65.88	70.394	
10,900.00	6,227.00	5,868.00	5,770.14	94.70	25.32	-79.28	382.17	661.60	4,723.53	4,657.31	66.21	71.339	
11,000.00	6,227.00	5,868.00	5,770.14	96.03	25.32	-79.28	382.17	661.60	4,809.98	4,743.45	66.53	72.298	
11,100.00	6,227.00	5,868.00	5,770.14	97.37	25.32	-79.28	382.17	661.60	4,896.94	4,830.10	66.84	73.268	
11,200.00	6,227.00	5,853.04	5,755.27	98.74	25.28	-78.93	383.78	661.79	4,984.25	4,917.22	67.03	74.359	
11,300.00	6,227.00	5,851.52	5,753.76	100.12	25.28	-78.89	383.92	661.80	5,072.14	5,004.83	67.30	75.361	
11,400.00	6,227.00	5,850.06	5,752.30	101.51	25.28	-78.86	384.07	661.82	5,160.46	5,092.89	67.57	76.373	
11,500.00	6,227.00	5,836.00	5,738.30	102.92	25.24	-78.53	385.30	661.95	5,249.31	5,181.56	67.74	77.487	
11,600.00	6,227.00	5,836.00	5,738.30	104.35	25.24	-78.53	385.30	661.95	5,338.42	5,270.42	68.00	78.505	
11,700.00	6,227.00	5,836.00	5,738.30	105.79	25.24	-78.53	385.30	661.95	5,427.92	5,359.67	68.25	79.531	
11,800.00	6,227.00	5,836.00	5,738.30	107.24	25.24	-78.53	385.30	661.95	5,517.77	5,449.28	68.49	80.565	
11,900.00	6,227.00	5,836.00	5,738.30	108.71	25.24	-78.53	385.30	661.95	5,607.97	5,539.25	68.72	81.607	
12,000.00	6,227.00	5,836.00	5,738.30	110.19	25.24	-78.53	385.30	661.95	5,698.50	5,629.56	68.94	82.655	
12,100.00	6,227.00	5,836.00	5,738.30	111.68	25.24	-78.53	385.30	661.95	5,789.34	5,720.18	69.16	83.710	
12,200.00	6,227.00	5,836.00	5,738.30	113.18	25.24	-78.53	385.30	661.95	5,880.47	5,811.10	69.37	84.772	
12,300.00	6,227.00	5,836.00	5,738.30	114.68	25.24	-78.53	385.30	661.95	5,971.89	5,902.32	69.57	85.839	
12,400.00	6,227.00	5,836.00	5,738.30	116.20	25.24	-78.53	385.30	661.95	6,063.58	5,993.81	69.77	86.911	
12,500.00	6,227.00	5,836.00	5,738.30	117.73	25.24	-78.53	385.30	661.95	6,155.53	6,085.57	69.96	87.989	
12,600.00	6,227.00	5,836.00	5,738.30	119.27	25.24	-78.53	385.30	661.95	6,247.73	6,177.58	70.14	89.071	
12,700.00	6,227.00	5,836.00	5,738.30	120.81	25.24	-78.53	385.30	661.95	6,340.16	6,269.84	70.32	90.158	
12,800.00	6,227.00	5,836.00	5,738.30	122.37	25.24	-78.53	385.30	661.95	6,432.82	6,362.32	70.50	91.249	
12,900.00	6,227.00	5,836.00	5,738.30	123.93	25.24	-78.53	385.30	661.95	6,525.69	6,455.03	70.67	92.344	
13,000.00	6,227.00	5,836.00	5,738.30	125.49	25.24	-78.53	385.30	661.95	6,618.78	6,547.95	70.83	93.442	
13,100.00	6,227.00	5,836.00	5,738.30	127.07	25.24	-78.53	385.30	661.95	6,712.06	6,641.07	70.99	94.544	
13,200.00	6,227.00	5,836.00	5,738.30	128.65	25.24	-78.53	385.30	661.95	6,805.53	6,734.38	71.15	95.650	
13,300.00	6,227.00	5,836.00	5,738.30	130.24	25.24	-78.53	385.30	661.95	6,899.19	6,827.89	71.30	96.758	
13,400.00	6,227.00	5,836.00	5,738.30	131.83	25.24	-78.53	385.30	661.95	6,993.02	6,921.57	71.45	97.869	
13,500.00	6,227.00	5,836.00	5,738.30	133.43	25.24	-78.53	385.30	661.95	7,087.02	7,015.42	71.60	98.983	
13,600.00	6,227.00	5,836.00	5,738.30	135.03	25.24	-78.53	385.30	661.95	7,181.19	7,109.45	71.74	100.099	
13,700.00	6,227.00	5,836.00	5,738.30	136.64	25.24	-78.53	385.30	661.95	7,275.50	7,203.62	71.88	101.218	
13,800.00	6,227.00	5,836.00	5,738.30	138.25	25.24	-78.53	385.30	661.95	7,369.97	7,297.96	72.02	102.339	
13,900.00	6,227.00	5,836.00	5,738.30	139.87	25.24	-78.53	385.30	661.95	7,464.59	7,392.44	72.15	103.461	
14,000.00	6,227.00	5,836.00	5,738.30	141.50	25.24	-78.53	385.30	661.95	7,559.34	7,487.06	72.28	104.586	
14,100.00	6,227.00	5,836.00	5,738.30	143.12	25.24	-78.53	385.30	661.95	7,654.22	7,581.81	72.41	105.712	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
14,200.00	6,227.00	5,836.00	5,738.30	144.76	25.24	-78.53	385.30	661.95	7,749.23	7,676.70	72.53	106.839	
14,300.00	6,227.00	5,821.19	5,723.53	146.39	25.21	-78.18	386.37	662.05	7,844.24	7,771.66	72.59	108.068	
14,400.00	6,227.00	5,820.51	5,722.85	148.03	25.21	-78.17	386.41	662.05	7,939.49	7,866.78	72.70	109.203	
14,500.00	6,227.00	5,819.84	5,722.18	149.67	25.21	-78.15	386.45	662.05	8,034.85	7,962.03	72.82	110.339	
14,600.00	6,227.00	5,819.19	5,721.53	151.32	25.20	-78.14	386.49	662.05	8,130.32	8,057.38	72.93	111.476	
14,700.00	6,227.00	5,818.55	5,720.89	152.97	25.20	-78.12	386.53	662.06	8,225.89	8,152.85	73.05	112.613	
14,800.00	6,227.00	5,817.92	5,720.27	154.62	25.20	-78.11	386.57	662.06	8,321.58	8,248.42	73.16	113.752	
14,900.00	6,227.00	5,803.00	5,705.36	156.28	25.16	-77.76	387.36	662.10	8,417.48	8,344.28	73.20	114.991	
15,000.00	6,227.00	5,803.00	5,705.36	157.94	25.16	-77.76	387.36	662.10	8,513.35	8,440.04	73.31	116.127	
15,100.00	6,227.00	5,803.00	5,705.36	159.60	25.16	-77.76	387.36	662.10	8,609.31	8,535.89	73.42	117.262	
15,200.00	6,227.00	5,803.00	5,705.36	161.27	25.16	-77.76	387.36	662.10	8,705.36	8,631.83	73.53	118.399	
15,300.00	6,227.00	5,803.00	5,705.36	162.94	25.16	-77.76	387.36	662.10	8,801.50	8,727.87	73.63	119.536	
15,400.00	6,227.00	5,803.00	5,705.36	164.61	25.16	-77.76	387.36	662.10	8,897.73	8,823.99	73.73	120.673	
15,500.00	6,227.00	5,803.00	5,705.36	166.28	25.16	-77.76	387.36	662.10	8,994.04	8,920.20	73.84	121.810	
15,600.00	6,227.00	5,803.00	5,705.36	167.95	25.16	-77.76	387.36	662.10	9,090.42	9,016.49	73.94	122.947	
15,700.00	6,227.00	5,803.00	5,705.36	169.63	25.16	-77.76	387.36	662.10	9,186.89	9,112.85	74.04	124.085	
15,800.00	6,227.00	5,803.00	5,705.36	171.31	25.16	-77.76	387.36	662.10	9,283.43	9,209.29	74.14	125.222	
15,900.00	6,227.00	5,803.00	5,705.36	172.99	25.16	-77.76	387.36	662.10	9,380.04	9,305.81	74.23	126.360	
16,000.00	6,227.00	5,803.00	5,705.36	174.68	25.16	-77.76	387.36	662.10	9,476.72	9,402.39	74.33	127.497	
16,100.00	6,227.00	5,803.00	5,705.36	176.36	25.16	-77.76	387.36	662.10	9,573.47	9,499.05	74.42	128.634	
16,200.00	6,227.00	5,803.00	5,705.36	178.05	25.16	-77.76	387.36	662.10	9,670.29	9,595.77	74.52	129.771	
16,300.00	6,227.00	5,803.00	5,705.36	179.74	25.16	-77.76	387.36	662.10	9,767.17	9,692.56	74.61	130.907	
16,400.00	6,227.00	5,803.00	5,705.36	181.43	25.16	-77.76	387.36	662.10	9,864.11	9,789.41	74.70	132.043	
16,500.00	6,227.00	5,803.00	5,705.36	183.13	25.16	-77.76	387.36	662.10	9,961.12	9,886.32	74.80	133.178	
16,600.00	6,227.00	5,803.00	5,705.36	184.82	25.16	-77.76	387.36	662.10	10,058.18	9,983.29	74.89	134.313	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 K21-024-36HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 222-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	0.40	40.07	0.28	41.07				
100.00	100.00	91.11	91.11	0.27	0.15	0.35	39.95	0.24	39.95	39.53	0.42	95.166	
200.00	200.00	191.23	191.23	0.63	0.32	0.16	39.52	0.11	39.52	38.58	0.94	41.869	
300.00	300.00	291.23	291.23	0.99	0.62	-0.02	38.90	-0.02	38.90	37.30	1.60	24.301	
400.00	399.98	391.04	391.04	1.34	0.97	-85.57	38.46	0.27	38.29	35.98	2.31	16.605	
450.86	450.79	441.72	441.71	1.52	1.14	-87.89	38.51	0.94	38.17	35.51	2.66	14.340 CC	
500.00	499.84	490.70	490.67	1.69	1.32	-90.79	38.78	1.98	38.30	35.29	3.01	12.739 ES	
600.00	599.45	590.48	590.39	2.06	1.67	-98.12	39.92	5.53	39.41	35.69	3.72	10.597	
700.00	698.70	690.03	689.69	2.44	2.02	-105.22	42.30	11.91	42.14	37.69	4.45	9.463	
800.00	797.47	790.02	789.12	2.85	2.39	-110.80	46.22	21.71	46.48	41.27	5.22	8.907	
900.00	895.62	890.22	888.39	3.29	2.77	-115.64	50.82	34.53	51.67	45.65	6.02	8.584	
1,000.00	993.06	990.98	987.83	3.76	3.19	-120.37	55.82	49.93	57.69	50.84	6.85	8.419	
1,100.00	1,089.64	1,091.42	1,086.36	4.27	3.62	-124.35	60.79	68.78	63.67	55.96	7.72	8.251 SF	
1,200.00	1,185.27	1,190.37	1,183.40	4.83	4.07	-129.60	65.73	87.52	72.02	63.44	8.58	8.396	
1,300.00	1,279.82	1,292.03	1,282.98	5.45	4.54	-135.67	70.11	107.46	82.36	72.95	9.41	8.752	
1,400.00	1,373.17	1,390.84	1,379.44	6.12	5.02	-141.25	73.79	128.55	94.31	84.09	10.22	9.224	
1,500.00	1,465.21	1,489.78	1,475.67	6.85	5.51	-145.27	79.59	150.78	109.79	98.73	11.06	9.926	
1,600.00	1,555.84	1,590.77	1,573.21	7.65	6.05	-148.17	86.71	175.96	126.83	114.90	11.93	10.632	
1,700.00	1,644.94	1,689.74	1,668.38	8.51	6.60	-150.74	93.66	202.20	145.63	132.83	12.80	11.377	
1,800.00	1,732.39	1,783.39	1,758.64	9.45	7.12	-153.05	100.67	226.18	168.73	155.07	13.66	12.356	
1,827.18	1,755.86	1,809.80	1,784.13	9.72	7.27	-153.66	102.78	232.76	175.80	161.91	13.89	12.656	
1,900.00	1,818.58	1,880.70	1,852.49	10.44	7.66	-155.20	108.55	250.65	194.95	180.43	14.52	13.428	
2,000.00	1,904.71	1,979.43	1,947.47	11.46	8.22	-156.80	116.81	276.31	220.75	205.34	15.40	14.332	
2,100.00	1,990.83	2,078.49	2,042.59	12.49	8.80	-158.29	123.80	303.05	245.39	229.11	16.28	15.076	
2,200.00	2,076.96	2,175.09	2,135.32	13.53	9.37	-159.54	130.29	329.36	269.85	252.71	17.14	15.740	
2,300.00	2,163.08	2,269.86	2,226.37	14.57	9.92	-160.56	136.71	354.85	294.76	276.75	18.01	16.366	
2,400.00	2,249.21	2,367.11	2,319.79	15.62	10.50	-161.27	144.38	380.74	320.21	301.30	18.91	16.934	
2,500.00	2,335.33	2,463.36	2,412.16	16.68	11.07	-161.82	152.19	406.66	345.43	325.61	19.82	17.430	
2,600.00	2,421.45	2,556.73	2,501.68	17.74	11.63	-162.03	161.36	431.56	371.21	350.46	20.75	17.889	
2,700.00	2,507.58	2,649.00	2,590.14	18.81	12.18	-162.00	171.97	455.53	397.93	376.23	21.70	18.335	
2,800.00	2,593.70	2,744.16	2,681.60	19.87	12.74	-162.04	182.60	479.56	425.32	402.65	22.67	18.762	
2,900.00	2,679.83	2,843.46	2,777.30	20.94	13.31	-162.36	191.55	504.51	452.48	428.87	23.62	19.159	
3,000.00	2,765.95	2,942.35	2,872.46	22.01	13.90	-162.65	200.29	529.93	479.08	454.51	24.56	19.505	
3,100.00	2,852.08	3,041.52	2,967.77	23.09	14.49	-162.90	209.00	555.93	505.16	479.64	25.51	19.800	
3,200.00	2,938.20	3,138.84	3,061.32	24.16	15.07	-163.24	216.42	581.69	530.83	504.40	26.43	20.086	
3,300.00	3,024.32	3,234.30	3,153.13	25.24	15.63	-163.56	223.60	606.83	556.64	529.31	27.33	20.369	
3,400.00	3,110.45	3,338.83	3,253.50	26.32	16.27	-163.82	231.98	634.78	582.16	553.85	28.31	20.567	
3,500.00	3,196.57	3,432.33	3,342.87	27.40	16.84	-163.87	241.04	660.75	606.86	577.60	29.25	20.744	
3,600.00	3,282.70	3,541.60	3,447.14	28.48	17.53	-163.91	251.55	691.65	631.04	600.72	30.32	20.813	
3,700.00	3,368.82	3,638.55	3,539.23	29.56	18.16	-163.84	261.90	720.14	654.25	622.92	31.33	20.882	
3,800.00	3,454.95	3,731.66	3,627.79	30.64	18.76	-163.80	271.64	747.19	677.77	645.46	32.31	20.977	
3,900.00	3,541.07	3,824.20	3,716.23	31.72	19.34	-163.90	279.84	773.15	702.07	668.83	33.24	21.121	
4,000.00	3,627.19	3,916.83	3,804.87	32.80	19.91	-164.01	287.79	798.83	726.67	692.51	34.16	21.273	
4,100.00	3,713.32	4,006.27	3,890.75	33.89	20.46	-164.14	295.39	822.60	752.39	717.35	35.04	21.470	
4,200.00	3,799.44	4,098.20	3,979.28	34.97	21.00	-164.35	302.07	846.45	778.60	742.68	35.91	21.681	
4,300.00	3,885.57	4,203.73	4,081.04	36.05	21.62	-164.60	309.51	873.40	805.24	768.36	36.88	21.834	
4,400.00	3,971.69	4,300.48	4,173.73	37.14	22.21	-164.68	318.06	899.77	830.36	792.52	37.83	21.948	
4,500.00	4,057.82	4,403.50	4,272.65	38.22	22.84	-164.84	325.88	927.47	855.70	816.89	38.80	22.053	
4,600.00	4,143.94	4,502.27	4,367.37	39.31	23.45	-165.03	332.68	954.63	880.34	840.61	39.73	22.160	
4,700.00	4,230.06	4,589.91	4,451.38	40.39	23.99	-165.11	340.01	978.48	905.45	864.85	40.60	22.302	
4,800.00	4,316.19	4,682.26	4,540.15	41.48	24.54	-165.23	347.28	1,002.85	931.32	889.83	41.49	22.446	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 K21-024-36HNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 222-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,402.31	4,787.30	4,641.27	42.57	25.17	-165.45	353.92	1,030.52	957.09	914.64	42.44	22.549	
5,000.00	4,488.44	4,892.26	4,741.94	43.65	25.81	-165.65	360.46	1,059.49	981.56	938.16	43.40	22.617	
5,100.00	4,574.56	4,984.98	4,830.85	44.74	26.38	-165.80	366.75	1,085.05	1,006.16	961.89	44.28	22.724	
5,200.00	4,660.69	5,076.24	4,918.50	45.83	26.93	-165.96	372.51	1,109.77	1,031.20	986.07	45.13	22.848	
5,300.00	4,746.81	5,168.96	5,007.61	46.91	27.49	-166.07	379.21	1,134.48	1,056.77	1,010.75	46.02	22.964	
5,400.00	4,832.93	5,265.29	5,100.08	48.00	28.08	-166.10	387.71	1,160.14	1,082.51	1,035.55	46.97	23.048	
5,500.00	4,919.06	5,367.10	5,197.80	49.09	28.70	-166.15	396.16	1,187.41	1,108.06	1,060.11	47.95	23.108	
5,600.00	5,005.18	5,444.02	5,271.78	50.17	29.16	-166.22	402.07	1,207.61	1,134.10	1,085.39	48.71	23.281	
5,700.00	5,091.31	5,528.94	5,353.87	51.26	29.65	-166.33	408.11	1,228.52	1,161.67	1,112.15	49.51	23.461	
5,800.00	5,177.43	5,645.90	5,466.84	52.35	30.33	-166.46	416.46	1,257.63	1,189.05	1,138.46	50.59	23.504	
5,900.00	5,263.56	5,717.96	5,536.30	53.44	30.75	-166.48	422.90	1,275.68	1,216.34	1,165.02	51.32	23.702	
6,000.00	5,349.68	5,816.00	5,630.79	54.53	31.32	-166.44	432.84	1,299.84	1,244.17	1,191.87	52.31	23.786	
6,100.00	5,435.80	5,902.00	5,713.92	55.61	31.81	-166.48	440.08	1,320.63	1,272.34	1,219.21	53.14	23.944	
6,200.00	5,521.93	6,116.88	5,919.11	56.70	32.84	-168.56	413.52	1,373.18	1,299.25	1,245.31	53.94	24.087	
6,300.00	5,608.05	6,225.50	6,012.98	57.79	33.25	-170.93	367.62	1,402.08	1,318.73	1,264.84	53.89	24.471	
6,400.00	5,694.18	6,297.22	6,069.39	58.88	33.46	-172.91	326.63	1,418.67	1,340.85	1,286.95	53.90	24.876	
6,479.32	5,762.49	6,343.00	6,102.42	59.74	33.57	-174.32	296.43	1,428.23	1,360.72	1,306.79	53.93	25.231	
6,500.00	5,780.28	6,358.02	6,112.70	59.97	33.60	-170.77	285.90	1,431.18	1,366.30	1,312.37	53.94	25.332	
6,550.00	5,822.98	6,379.52	6,126.95	60.51	33.63	-162.05	270.31	1,435.22	1,380.66	1,326.72	53.94	25.595	
6,600.00	5,865.00	6,396.13	6,137.57	61.05	33.66	-153.80	257.89	1,438.18	1,396.26	1,342.34	53.92	25.896	
6,650.00	5,906.01	6,408.33	6,145.15	61.57	33.69	-146.16	248.55	1,440.27	1,413.13	1,359.27	53.86	26.236	
6,700.00	5,945.70	6,432.00	6,159.28	62.08	33.73	-139.78	229.97	1,444.10	1,431.37	1,377.51	53.86	26.577	
6,750.00	5,983.77	6,432.00	6,159.28	62.56	33.73	-133.12	229.97	1,444.10	1,450.53	1,396.81	53.72	27.000	
6,800.00	6,019.92	6,432.00	6,159.28	63.02	33.73	-127.09	229.97	1,444.10	1,470.73	1,417.16	53.58	27.451	
6,850.00	6,053.90	6,432.00	6,159.28	63.45	33.73	-121.60	229.97	1,444.10	1,491.78	1,438.35	53.43	27.920	
6,900.00	6,085.42	6,432.00	6,159.28	63.86	33.73	-116.59	229.97	1,444.10	1,513.49	1,460.19	53.30	28.395	
6,950.00	6,114.26	6,432.00	6,159.28	64.23	33.73	-112.00	229.97	1,444.10	1,535.66	1,482.45	53.21	28.863	
7,000.00	6,140.20	6,432.00	6,159.28	64.58	33.73	-107.79	229.97	1,444.10	1,558.11	1,504.95	53.16	29.312	
7,050.00	6,163.03	6,402.34	6,141.45	64.89	33.67	-102.85	253.16	1,439.25	1,580.05	1,527.33	52.71	29.974	
7,100.00	6,182.59	6,393.63	6,135.99	65.17	33.66	-99.10	259.78	1,437.74	1,602.09	1,549.48	52.61	30.452	
7,150.00	6,198.73	6,383.87	6,129.77	65.42	33.64	-95.68	267.09	1,436.01	1,623.70	1,571.15	52.55	30.900	
7,200.00	6,211.32	6,373.22	6,122.84	65.65	33.62	-92.61	274.94	1,434.06	1,644.68	1,592.15	52.53	31.309	
7,250.00	6,220.26	6,343.00	6,102.42	65.84	33.57	-89.35	296.43	1,428.23	1,665.10	1,612.90	52.20	31.901	
7,300.00	6,225.50	6,343.00	6,102.42	66.01	33.57	-87.35	296.43	1,428.23	1,684.02	1,631.50	52.53	32.060	
7,344.70	6,227.00	6,343.00	6,102.42	66.14	33.57	-85.83	296.43	1,428.23	1,700.16	1,647.25	52.91	32.131	
7,400.00	6,227.00	6,343.00	6,102.42	66.29	33.57	-85.83	296.43	1,428.23	1,720.41	1,666.93	53.48	32.171	
7,500.00	6,227.00	6,300.56	6,071.88	66.58	33.47	-84.77	324.53	1,419.39	1,759.40	1,705.79	53.61	32.816	
7,600.00	6,227.00	6,255.00	6,036.80	66.90	33.36	-83.56	351.73	1,409.16	1,803.08	1,749.37	53.71	33.571	
7,700.00	6,227.00	6,255.00	6,036.80	67.24	33.36	-83.56	351.73	1,409.16	1,849.54	1,794.56	54.98	33.637	
7,800.00	6,227.00	6,255.00	6,036.80	67.61	33.36	-83.56	351.73	1,409.16	1,900.14	1,843.82	56.32	33.736	
7,900.00	6,227.00	6,255.00	6,036.80	68.00	33.36	-83.56	351.73	1,409.16	1,954.55	1,896.86	57.69	33.883	
8,000.00	6,227.00	6,215.51	6,004.74	68.43	33.22	-82.48	372.68	1,399.59	2,010.97	1,952.92	58.04	34.645	
8,100.00	6,227.00	6,203.10	5,994.38	68.88	33.18	-82.14	378.75	1,396.43	2,070.97	2,011.90	59.07	35.058	
8,200.00	6,227.00	6,167.00	5,963.59	69.36	33.06	-81.12	394.94	1,386.83	2,134.30	2,074.81	59.49	35.875	
8,300.00	6,227.00	6,167.00	5,963.59	69.88	33.06	-81.12	394.94	1,386.83	2,199.17	2,138.40	60.77	36.191	
8,400.00	6,227.00	6,167.00	5,963.59	70.43	33.06	-81.12	394.94	1,386.83	2,266.59	2,204.61	61.99	36.566	
8,500.00	6,227.00	6,167.00	5,963.59	71.00	33.06	-81.12	394.94	1,386.83	2,336.35	2,273.20	63.15	36.998	
8,600.00	6,227.00	6,167.00	5,963.59	71.62	33.06	-81.12	394.94	1,386.83	2,408.24	2,343.99	64.25	37.482	
8,700.00	6,227.00	6,167.00	5,963.59	72.26	33.06	-81.12	394.94	1,386.83	2,482.08	2,416.79	65.29	38.016	
8,800.00	6,227.00	6,167.00	5,963.59	72.94	33.06	-81.12	394.94	1,386.83	2,557.70	2,491.43	66.27	38.595	
8,900.00	6,227.00	6,129.33	5,930.35	73.66	32.90	-80.05	409.36	1,376.56	2,633.59	2,567.17	66.42	39.648	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 K21-024-36HNB - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 222-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	6,227.00	6,122.70	5,924.38	74.41	32.87	-79.86	411.61	1,374.76	2,711.79	2,644.61	67.18	40.367		
9,100.00	6,227.00	6,116.55	5,918.82	75.19	32.84	-79.68	413.63	1,373.09	2,791.30	2,723.41	67.90	41.112		
9,200.00	6,227.00	6,078.00	5,883.34	76.01	32.68	-78.56	424.57	1,362.74	2,873.08	2,805.11	67.97	42.271		
9,300.00	6,227.00	6,078.00	5,883.34	76.86	32.68	-78.56	424.57	1,362.74	2,954.62	2,885.90	68.72	42.993		
9,400.00	6,227.00	6,078.00	5,883.34	77.75	32.68	-78.56	424.57	1,362.74	3,037.27	2,967.84	69.43	43.744		
9,500.00	6,227.00	6,078.00	5,883.34	78.67	32.68	-78.56	424.57	1,362.74	3,120.93	3,050.83	70.10	44.522		
9,600.00	6,227.00	6,078.00	5,883.34	79.63	32.68	-78.56	424.57	1,362.74	3,205.52	3,134.80	70.72	45.324		
9,700.00	6,227.00	6,078.00	5,883.34	80.62	32.68	-78.56	424.57	1,362.74	3,290.98	3,219.67	71.31	46.148		
9,800.00	6,227.00	6,078.00	5,883.34	81.64	32.68	-78.56	424.57	1,362.74	3,377.24	3,305.37	71.87	46.993		
9,900.00	6,227.00	6,078.00	5,883.34	82.69	32.68	-78.56	424.57	1,362.74	3,464.24	3,391.85	72.39	47.856		
10,000.00	6,227.00	6,078.00	5,883.34	83.77	32.68	-78.56	424.57	1,362.74	3,551.92	3,479.04	72.88	48.736		
10,100.00	6,227.00	6,078.00	5,883.34	84.88	32.68	-78.56	424.57	1,362.74	3,640.24	3,566.89	73.35	49.631		
10,200.00	6,227.00	6,078.00	5,883.34	86.02	32.68	-78.56	424.57	1,362.74	3,729.15	3,655.36	73.79	50.541		
10,300.00	6,227.00	6,078.00	5,883.34	87.19	32.68	-78.56	424.57	1,362.74	3,818.60	3,744.40	74.20	51.463		
10,400.00	6,227.00	6,078.00	5,883.34	88.38	32.68	-78.56	424.57	1,362.74	3,908.57	3,833.97	74.59	52.398		
10,500.00	6,227.00	6,078.00	5,883.34	89.60	32.68	-78.56	424.57	1,362.74	3,999.01	3,924.05	74.97	53.344		
10,600.00	6,227.00	6,078.00	5,883.34	90.84	32.68	-78.56	424.57	1,362.74	4,089.90	4,014.58	75.32	54.301		
10,700.00	6,227.00	6,078.00	5,883.34	92.11	32.68	-78.56	424.57	1,362.74	4,181.21	4,105.55	75.66	55.267		
10,800.00	6,227.00	6,078.00	5,883.34	93.39	32.68	-78.56	424.57	1,362.74	4,272.90	4,196.93	75.97	56.241		
10,900.00	6,227.00	6,078.00	5,883.34	94.70	32.68	-78.56	424.57	1,362.74	4,364.96	4,288.68	76.28	57.224		
11,000.00	6,227.00	6,078.00	5,883.34	96.03	32.68	-78.56	424.57	1,362.74	4,457.36	4,380.79	76.57	58.214		
11,100.00	6,227.00	6,078.00	5,883.34	97.37	32.68	-78.56	424.57	1,362.74	4,550.08	4,473.24	76.84	59.211		
11,200.00	6,227.00	6,078.00	5,883.34	98.74	32.68	-78.56	424.57	1,362.74	4,643.11	4,566.00	77.11	60.215		
11,300.00	6,227.00	6,078.00	5,883.34	100.12	32.68	-78.56	424.57	1,362.74	4,736.42	4,659.05	77.36	61.224		
11,400.00	6,227.00	6,037.17	5,844.84	101.51	32.49	-77.36	433.10	1,352.20	4,828.49	4,751.35	77.14	62.595		
11,500.00	6,227.00	6,035.24	5,843.00	102.92	32.48	-77.30	433.43	1,351.72	4,922.17	4,844.82	77.35	63.631		
11,600.00	6,227.00	6,033.40	5,841.24	104.35	32.47	-77.25	433.74	1,351.26	5,016.09	4,938.53	77.56	64.671		
11,700.00	6,227.00	6,031.62	5,839.54	105.79	32.46	-77.19	434.03	1,350.82	5,110.24	5,032.47	77.76	65.715		
11,800.00	6,227.00	6,029.91	5,837.91	107.24	32.45	-77.14	434.30	1,350.40	5,204.60	5,126.64	77.96	66.763		
11,900.00	6,227.00	5,990.00	5,799.47	108.71	32.27	-75.97	439.17	1,340.89	5,300.48	5,222.74	77.74	68.180		
12,000.00	6,227.00	5,990.00	5,799.47	110.19	32.27	-75.97	439.17	1,340.89	5,395.13	5,317.18	77.94	69.219		
12,100.00	6,227.00	5,990.00	5,799.47	111.68	32.27	-75.97	439.17	1,340.89	5,489.96	5,411.82	78.14	70.261		
12,200.00	6,227.00	5,990.00	5,799.47	113.18	32.27	-75.97	439.17	1,340.89	5,584.98	5,506.65	78.32	71.307		
12,300.00	6,227.00	5,990.00	5,799.47	114.68	32.27	-75.97	439.17	1,340.89	5,680.16	5,601.66	78.50	72.356		
12,400.00	6,227.00	5,990.00	5,799.47	116.20	32.27	-75.97	439.17	1,340.89	5,775.51	5,696.83	78.68	73.408		
12,500.00	6,227.00	5,990.00	5,799.47	117.73	32.27	-75.97	439.17	1,340.89	5,871.02	5,792.17	78.85	74.462		
12,600.00	6,227.00	5,990.00	5,799.47	119.27	32.27	-75.97	439.17	1,340.89	5,966.67	5,887.66	79.01	75.519		
12,700.00	6,227.00	5,990.00	5,799.47	120.81	32.27	-75.97	439.17	1,340.89	6,062.46	5,983.29	79.17	76.578		
12,800.00	6,227.00	5,990.00	5,799.47	122.37	32.27	-75.97	439.17	1,340.89	6,158.38	6,079.06	79.32	77.639		
12,900.00	6,227.00	5,990.00	5,799.47	123.93	32.27	-75.97	439.17	1,340.89	6,254.44	6,174.97	79.47	78.702		
13,000.00	6,227.00	5,990.00	5,799.47	125.49	32.27	-75.97	439.17	1,340.89	6,350.61	6,271.00	79.61	79.767		
13,100.00	6,227.00	5,990.00	5,799.47	127.07	32.27	-75.97	439.17	1,340.89	6,446.90	6,367.15	79.76	80.834		
13,200.00	6,227.00	5,990.00	5,799.47	128.65	32.27	-75.97	439.17	1,340.89	6,543.30	6,463.41	79.89	81.901		
13,300.00	6,227.00	5,990.00	5,799.47	130.24	32.27	-75.97	439.17	1,340.89	6,639.81	6,559.79	80.03	82.971		
13,400.00	6,227.00	5,990.00	5,799.47	131.83	32.27	-75.97	439.17	1,340.89	6,736.42	6,656.27	80.16	84.041		
13,500.00	6,227.00	5,990.00	5,799.47	133.43	32.27	-75.97	439.17	1,340.89	6,833.13	6,752.85	80.28	85.113		
13,600.00	6,227.00	5,990.00	5,799.47	135.03	32.27	-75.97	439.17	1,340.89	6,929.93	6,849.53	80.41	86.185		
13,700.00	6,227.00	5,990.00	5,799.47	136.64	32.27	-75.97	439.17	1,340.89	7,026.83	6,946.30	80.53	87.259		
13,800.00	6,227.00	5,990.00	5,799.47	138.25	32.27	-75.97	439.17	1,340.89	7,123.80	7,043.15	80.65	88.333		
13,900.00	6,227.00	5,990.00	5,799.47	139.87	32.27	-75.97	439.17	1,340.89	7,220.86	7,140.10	80.76	89.408		
14,000.00	6,227.00	5,990.00	5,799.47	141.50	32.27	-75.97	439.17	1,340.89	7,318.00	7,237.12	80.88	90.483		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
14,100.00	6,227.00	5,990.00	5,799.47	143.12	32.27	-75.97	439.17	1,340.89	7,415.22	7,334.23	80.99	91.559	
14,200.00	6,227.00	5,990.00	5,799.47	144.76	32.27	-75.97	439.17	1,340.89	7,512.50	7,431.41	81.10	92.635	
14,300.00	6,227.00	5,990.00	5,799.47	146.39	32.27	-75.97	439.17	1,340.89	7,609.86	7,528.66	81.20	93.712	
14,400.00	6,227.00	5,990.00	5,799.47	148.03	32.27	-75.97	439.17	1,340.89	7,707.29	7,625.98	81.31	94.789	
14,500.00	6,227.00	5,990.00	5,799.47	149.67	32.27	-75.97	439.17	1,340.89	7,804.78	7,723.37	81.41	95.866	
14,600.00	6,227.00	5,990.00	5,799.47	151.32	32.27	-75.97	439.17	1,340.89	7,902.33	7,820.82	81.52	96.943	
14,700.00	6,227.00	5,990.00	5,799.47	152.97	32.27	-75.97	439.17	1,340.89	7,999.95	7,918.33	81.62	98.020	
14,800.00	6,227.00	5,990.00	5,799.47	154.62	32.27	-75.97	439.17	1,340.89	8,097.62	8,015.91	81.71	99.098	
14,900.00	6,227.00	5,990.00	5,799.47	156.28	32.27	-75.97	439.17	1,340.89	8,195.35	8,113.54	81.81	100.175	
15,000.00	6,227.00	5,990.00	5,799.47	157.94	32.27	-75.97	439.17	1,340.89	8,293.13	8,211.22	81.91	101.252	
15,100.00	6,227.00	5,990.00	5,799.47	159.60	32.27	-75.97	439.17	1,340.89	8,390.97	8,308.97	82.00	102.329	
15,200.00	6,227.00	5,990.00	5,799.47	161.27	32.27	-75.97	439.17	1,340.89	8,488.85	8,406.76	82.09	103.405	
15,300.00	6,227.00	5,990.00	5,799.47	162.94	32.27	-75.97	439.17	1,340.89	8,586.78	8,504.60	82.18	104.482	
15,400.00	6,227.00	5,990.00	5,799.47	164.61	32.27	-75.97	439.17	1,340.89	8,684.77	8,602.49	82.27	105.558	
15,500.00	6,227.00	5,990.00	5,799.47	166.28	32.27	-75.97	439.17	1,340.89	8,782.79	8,700.43	82.36	106.633	
15,600.00	6,227.00	5,990.00	5,799.47	167.95	32.27	-75.97	439.17	1,340.89	8,880.86	8,798.41	82.45	107.709	
15,700.00	6,227.00	5,990.00	5,799.47	169.63	32.27	-75.97	439.17	1,340.89	8,978.98	8,896.44	82.54	108.783	
15,800.00	6,227.00	5,990.00	5,799.47	171.31	32.27	-75.97	439.17	1,340.89	9,077.13	8,994.50	82.63	109.857	
15,900.00	6,227.00	5,990.00	5,799.47	172.99	32.27	-75.97	439.17	1,340.89	9,175.33	9,092.61	82.71	110.931	
16,000.00	6,227.00	5,990.00	5,799.47	174.68	32.27	-75.97	439.17	1,340.89	9,273.56	9,190.76	82.80	112.004	
16,100.00	6,227.00	5,990.00	5,799.47	176.36	32.27	-75.97	439.17	1,340.89	9,371.83	9,288.95	82.88	113.076	
16,200.00	6,227.00	5,990.00	5,799.47	178.05	32.27	-75.97	439.17	1,340.89	9,470.13	9,387.17	82.96	114.148	
16,300.00	6,227.00	5,990.00	5,799.47	179.74	32.27	-75.97	439.17	1,340.89	9,568.48	9,485.43	83.05	115.219	
16,400.00	6,227.00	5,990.00	5,799.47	181.43	32.27	-75.97	439.17	1,340.89	9,666.85	9,583.72	83.13	116.289	
16,500.00	6,227.00	5,990.00	5,799.47	183.13	32.27	-75.97	439.17	1,340.89	9,765.26	9,682.05	83.21	117.358	
16,600.00	6,227.00	5,990.00	5,799.47	184.82	32.27	-75.97	439.17	1,340.89	9,863.70	9,780.41	83.29	118.427	
16,700.00	6,227.00	5,990.00	5,799.47	186.52	32.27	-75.97	439.17	1,340.89	9,962.17	9,878.80	83.37	119.495	
16,800.00	6,227.00	5,990.00	5,799.47	188.22	32.27	-75.97	439.17	1,340.89	10,060.67	9,977.23	83.45	120.562	

Civitas Resources  
Anticollision Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE NORTH PLATTE F-36 FED 25N-20-06
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-20-06	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 17-MWD OWSG												Offset Well Error:	0.00 usft
Reference				Offset			Semi Major Axis		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
100.00	100.00	151.82	151.81	0.27	0.48	-73.71	928.99	-3,179.45	3,312.83	3,312.07	0.76	4,385.942	
200.00	200.00	229.00	228.99	0.63	0.76	-73.71	928.63	-3,178.60	3,311.62	3,310.23	1.39	2,385.844	
300.00	300.00	312.29	312.28	0.99	1.06	-73.71	928.56	-3,177.96	3,310.87	3,308.83	2.04	1,621.089	
312.10	312.10	323.00	322.99	1.03	1.10	-157.09	928.57	-3,177.92	3,310.85	3,308.73	2.12	1,559.491	
400.00	399.98	403.78	403.77	1.34	1.38	-157.09	928.74	-3,177.65	3,312.20	3,309.48	2.72	1,218.958	
500.00	499.84	487.71	487.69	1.69	1.67	-157.08	928.58	-3,177.73	3,317.07	3,313.71	3.36	987.014	
600.00	599.45	573.11	573.08	2.06	1.96	-157.09	927.32	-3,178.57	3,325.63	3,321.62	4.01	828.781	
700.00	698.70	652.77	652.69	2.44	2.24	-157.10	924.97	-3,180.06	3,337.85	3,333.20	4.65	717.351	
800.00	797.47	722.85	722.66	2.85	2.48	-157.11	921.74	-3,182.21	3,353.97	3,348.70	5.27	636.517	
900.00	895.62	793.00	792.61	3.29	2.73	-157.13	917.48	-3,185.44	3,374.29	3,368.40	5.89	572.502	
1,000.00	993.06	870.18	869.47	3.76	3.01	-157.17	912.01	-3,189.75	3,398.48	3,391.92	6.56	518.439	
1,100.00	1,089.64	977.82	976.63	4.27	3.41	-157.30	903.96	-3,195.78	3,425.82	3,418.48	7.34	466.621	
1,200.00	1,185.27	1,069.62	1,068.07	4.83	3.75	-157.37	897.28	-3,200.67	3,456.13	3,448.05	8.08	427.679	
1,300.00	1,279.82	1,169.00	1,167.08	5.45	4.13	-157.45	890.34	-3,205.65	3,489.39	3,480.53	8.86	393.830	
1,400.00	1,373.17	1,227.25	1,225.09	6.12	4.35	-157.37	886.11	-3,208.82	3,526.15	3,516.66	9.49	371.510	
1,500.00	1,465.21	1,284.67	1,282.19	6.85	4.57	-157.27	881.61	-3,212.72	3,566.98	3,556.86	10.13	352.224	
1,600.00	1,555.84	1,357.79	1,354.87	7.65	4.86	-157.22	875.72	-3,218.13	3,611.37	3,600.53	10.84	333.305	
1,700.00	1,644.94	1,630.27	1,626.14	8.51	5.91	-158.08	854.98	-3,232.57	3,657.95	3,645.59	12.36	295.922	
1,800.00	1,732.39	1,711.00	1,706.57	9.45	6.22	-158.06	848.22	-3,234.47	3,704.09	3,690.97	13.13	282.181	
1,827.18	1,755.86	1,711.00	1,706.57	9.72	6.22	-157.95	848.22	-3,234.47	3,717.26	3,704.01	13.25	280.536	
1,900.00	1,818.58	1,754.14	1,749.56	10.44	6.38	-158.16	844.84	-3,235.70	3,753.04	3,739.29	13.74	273.113	
2,000.00	1,904.71	1,801.00	1,796.26	11.46	6.56	-158.37	841.47	-3,237.62	3,803.24	3,788.88	14.36	264.783	
2,100.00	1,990.83	1,832.99	1,828.13	12.49	6.68	-158.52	839.37	-3,239.27	3,854.50	3,839.58	14.92	258.363	
2,200.00	2,076.96	1,890.00	1,884.94	13.53	6.90	-158.77	836.09	-3,242.82	3,906.90	3,891.33	15.58	250.814	
2,300.00	2,163.08	2,517.00	2,508.53	14.57	9.23	-161.33	787.76	-3,244.10	3,958.14	3,939.60	18.54	213.460	
2,400.00	2,249.21	2,517.00	2,508.53	15.62	9.23	-161.33	787.76	-3,244.10	4,000.02	3,981.01	19.01	210.423	
2,500.00	2,335.33	10,675.87	6,311.69	16.68	119.08	-173.18	325.64	712.14	3,985.68	3,942.60	43.08	92.515	
2,600.00	2,421.45	10,725.38	6,311.81	17.74	120.39	-173.11	328.52	761.56	3,899.66	3,855.93	43.73	89.171	
2,700.00	2,507.58	10,777.62	6,311.93	18.81	121.77	-173.04	331.53	813.71	3,813.64	3,769.23	44.41	85.874	
2,800.00	2,593.70	10,828.69	6,312.04	19.87	123.12	-172.97	334.47	864.70	3,727.60	3,682.52	45.08	82.682	
2,900.00	2,679.83	10,879.35	6,312.15	20.94	124.47	-172.90	337.43	915.27	3,641.57	3,595.81	45.76	79.581	
3,000.00	2,765.95	10,941.35	6,312.23	22.01	126.11	-172.82	340.41	977.20	3,555.47	3,508.96	46.52	76.433	
3,100.00	2,852.08	11,000.15	6,312.23	23.09	127.68	-172.79	341.67	1,035.98	3,469.21	3,421.97	47.24	73.437	
3,200.00	2,938.20	11,051.93	6,312.23	24.16	129.07	-172.80	341.86	1,087.76	3,382.90	3,334.99	47.91	70.612	
3,300.00	3,024.32	11,100.04	6,312.26	25.24	130.35	-172.83	341.36	1,135.87	3,296.59	3,248.04	48.55	67.904	
3,400.00	3,110.45	11,145.62	6,312.39	26.32	131.57	-172.87	340.42	1,181.44	3,210.34	3,161.17	49.17	65.292	
3,500.00	3,196.57	11,199.43	6,312.62	27.40	133.02	-172.95	338.81	1,235.23	3,124.14	3,074.30	49.84	62.688	
3,600.00	3,282.70	11,259.23	6,312.74	28.48	134.62	-173.05	336.73	1,294.99	3,037.80	2,987.27	50.53	60.116	
3,700.00	3,368.82	11,308.00	6,312.78	29.56	135.93	-173.14	334.94	1,343.72	2,951.41	2,900.24	51.17	57.684	
3,800.00	3,454.95	11,358.68	6,312.84	30.64	137.29	-173.23	333.09	1,394.37	2,865.04	2,813.23	51.81	55.301	
3,900.00	3,541.07	11,440.81	6,312.43	31.72	139.50	-173.40	330.30	1,476.45	2,778.37	2,725.77	52.60	52.817	
4,000.00	3,627.19	11,492.08	6,311.82	32.80	140.87	-173.49	328.90	1,527.70	2,691.38	2,638.13	53.25	50.546	
4,100.00	3,713.32	11,540.58	6,311.23	33.89	142.18	-173.56	328.07	1,576.19	2,604.40	2,550.52	53.88	48.336	
4,200.00	3,799.44	11,588.34	6,310.69	34.97	143.46	-173.66	326.88	1,623.93	2,517.45	2,462.94	54.51	46.184	
4,300.00	3,885.57	11,635.00	6,310.26	36.05	144.71	-173.82	324.41	1,670.52	2,430.53	2,375.41	55.12	44.099	
4,400.00	3,971.69	11,680.09	6,309.90	37.14	145.92	-173.97	322.35	1,715.56	2,343.69	2,287.96	55.72	42.061	
4,500.00	4,057.82	11,729.00	6,309.51	38.22	147.24	-174.04	322.24	1,764.46	2,256.96	2,200.59	56.37	40.040	
4,600.00	4,143.94	11,774.32	6,309.11	39.31	148.45	-174.02	323.72	1,809.76	2,170.29	2,113.27	57.03	38.057	
4,700.00	4,230.06	11,824.27	6,308.61	40.39	149.78	-173.93	326.63	1,859.62	2,083.63	2,025.90	57.73	36.094	
4,800.00	4,316.19	11,872.86	6,308.10	41.48	151.08	-173.80	329.94	1,908.09	1,996.98	1,938.54	58.44	34.174	
4,900.00	4,402.31	11,917.00	6,307.69	42.57	152.25	-173.69	332.74	1,952.14	1,910.37	1,851.24	59.13	32.307	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
5,000.00	4,488.44	11,965.38	6,307.33	43.65	153.54	-173.57	335.64	2,000.43	1,823.86	1,764.01	59.85	30.475	
5,100.00	4,574.56	12,012.00	6,307.15	44.74	154.79	-173.45	338.35	2,046.97	1,737.51	1,676.95	60.57	28.688	
5,200.00	4,660.69	12,062.89	6,307.01	45.83	156.15	-173.31	341.27	2,097.78	1,651.22	1,589.92	61.30	26.936	
5,300.00	4,746.81	12,114.32	6,306.79	46.91	157.52	-173.15	344.25	2,149.13	1,564.86	1,502.81	62.05	25.220	
5,400.00	4,832.93	12,159.83	6,306.67	48.00	158.74	-173.00	346.85	2,194.55	1,478.58	1,415.79	62.80	23.546	
5,500.00	4,919.06	12,206.25	6,306.71	49.09	159.98	-172.82	349.44	2,240.91	1,392.48	1,328.92	63.56	21.908	
5,600.00	5,005.18	12,255.77	6,306.85	50.17	161.30	-172.63	352.13	2,290.35	1,306.48	1,242.14	64.34	20.306	
5,700.00	5,091.31	12,305.93	6,307.05	51.26	162.64	-172.41	354.76	2,340.44	1,220.53	1,155.40	65.13	18.739	
5,800.00	5,177.43	12,357.59	6,307.25	52.35	164.03	-172.14	357.52	2,392.03	1,134.59	1,068.64	65.95	17.205	
5,900.00	5,263.56	12,410.67	6,307.42	53.44	165.45	-171.83	360.31	2,445.03	1,048.62	981.84	66.78	15.703	
6,000.00	5,349.68	12,465.48	6,307.51	54.53	166.92	-171.63	361.66	2,499.82	962.47	894.93	67.55	14.249	
6,100.00	5,435.80	12,516.03	6,307.55	55.61	168.28	-171.54	361.81	2,550.37	876.20	807.90	68.30	12.830	
6,200.00	5,521.93	12,565.14	6,307.61	56.70	169.60	-171.33	362.70	2,599.47	790.01	720.89	69.12	11.429	
6,300.00	5,608.05	12,616.46	6,307.68	57.79	170.98	-170.99	364.04	2,650.78	703.86	633.87	69.99	10.057	
6,400.00	5,694.18	12,668.16	6,307.72	58.88	172.38	-170.65	364.91	2,702.47	617.65	546.80	70.86	8.717	
6,479.32	5,762.49	12,710.95	6,307.73	59.74	173.53	-170.57	364.18	2,745.25	549.15	477.75	71.40	7.691	
6,500.00	5,780.28	12,721.95	6,307.73	59.97	173.83	-170.83	363.63	2,756.24	531.24	459.78	71.46	7.434	
6,550.00	5,822.98	12,747.81	6,307.72	60.51	174.52	-172.66	361.76	2,782.03	487.99	416.79	71.20	6.854	
6,600.00	5,865.00	12,771.62	6,307.70	61.05	175.16	-175.74	359.54	2,805.73	445.22	374.67	70.55	6.310	
6,650.00	5,906.01	12,794.37	6,307.68	61.57	175.78	-179.34	357.62	2,828.40	403.69	333.58	70.11	5.758	
6,700.00	5,945.70	12,816.37	6,307.64	62.08	176.37	-177.08	355.98	2,850.34	364.34	293.12	71.22	5.115	
6,750.00	5,983.77	12,837.55	6,307.59	62.56	176.94	-173.87	354.60	2,871.48	328.50	251.99	76.51	4.293	
6,800.00	6,019.92	12,858.72	6,307.51	63.02	177.51	-170.98	353.45	2,892.61	297.97	208.73	89.25	3.339	
6,850.00	6,053.90	12,879.20	6,307.38	63.45	178.07	-168.53	352.61	2,913.08	274.99	163.91	111.08	2.476	
6,900.00	6,085.42	12,898.73	6,307.19	63.86	178.60	-166.48	352.06	2,932.59	262.02	122.11	139.91	1.873	
6,929.45	6,102.75	12,909.75	6,307.05	64.08	178.89	-165.43	351.86	2,943.62	259.87	101.86	158.01	1.645 CC	
6,950.00	6,114.26	12,917.23	6,306.95	64.23	179.09	-164.76	351.77	2,951.10	260.93	90.66	170.27	1.532	
7,000.00	6,140.20	12,934.65	6,306.69	64.58	179.57	-163.26	351.70	2,968.52	272.13	75.77	196.36	1.386 Level 3, ES	
7,050.00	6,163.03	12,950.28	6,306.44	64.89	179.99	-162.08	351.79	2,984.14	294.40	79.09	215.31	1.367 Level 3, SF	
7,100.00	6,182.59	12,964.82	6,306.20	65.17	180.38	-160.98	352.02	2,998.68	325.53	97.97	227.56	1.431 Level 3	
7,150.00	6,198.73	12,977.97	6,305.99	65.42	180.73	-159.99	352.34	3,011.82	363.23	128.26	234.97	1.546	
7,200.00	6,211.32	12,989.51	6,305.80	65.65	181.04	-159.14	352.71	3,023.36	405.58	166.25	239.33	1.695	
7,250.00	6,220.26	12,999.21	6,305.64	65.84	181.30	-158.53	353.09	3,033.05	451.12	209.25	241.87	1.865	
7,300.00	6,225.50	13,006.76	6,305.51	66.01	181.50	-158.46	353.42	3,040.59	498.78	255.45	243.33	2.050	
7,344.70	6,227.00	13,011.41	6,305.44	66.14	181.63	-159.74	353.64	3,045.23	542.55	298.48	244.06	2.223	
7,400.00	6,227.00	13,016.06	6,305.36	66.29	181.75	-156.87	353.88	3,049.88	597.20	352.54	244.66	2.441	
7,500.00	6,227.00	13,025.91	6,305.20	66.58	182.02	-151.16	354.42	3,059.71	696.24	450.71	245.53	2.836	
7,600.00	6,227.00	13,006.83	6,305.51	66.90	181.51	-162.69	353.71	3,040.64	795.45	550.12	245.33	3.242	
7,700.00	6,227.00	13,039.45	6,304.97	67.24	182.38	-144.20	355.20	3,073.22	894.82	648.18	246.64	3.628	
7,800.00	6,227.00	13,048.15	6,304.83	67.61	182.61	-140.27	355.73	3,081.91	994.24	747.12	247.12	4.023	
7,900.00	6,227.00	13,057.54	6,304.68	68.00	182.86	-136.46	356.32	3,091.27	1,093.72	846.13	247.59	4.418	
8,000.00	6,227.00	13,067.69	6,304.52	68.43	183.14	-132.81	357.00	3,101.40	1,193.23	945.18	248.04	4.811	
8,100.00	6,227.00	13,078.72	6,304.34	68.88	183.43	-129.33	357.76	3,112.40	1,292.75	1,044.24	248.51	5.202	
8,200.00	6,227.00	13,090.73	6,304.15	69.36	183.75	-126.03	358.63	3,124.38	1,392.28	1,143.30	248.99	5.592	
8,300.00	6,227.00	13,103.87	6,303.95	69.88	184.10	-122.93	359.62	3,137.48	1,491.81	1,242.32	249.49	5.979	
8,400.00	6,227.00	13,118.29	6,303.72	70.43	184.49	-120.01	360.77	3,151.86	1,591.33	1,341.30	250.03	6.365	
8,500.00	6,227.00	13,119.38	6,303.70	71.00	184.52	-119.81	360.83	3,152.94	1,690.89	1,440.72	250.17	6.759	
8,600.00	6,227.00	13,125.86	6,303.60	71.62	184.69	-118.66	361.33	3,159.40	1,790.46	1,540.00	250.46	7.149	
8,700.00	6,227.00	13,132.20	6,303.50	72.26	184.86	-117.60	361.81	3,165.72	1,890.05	1,639.31	250.74	7.538	
8,800.00	6,227.00	13,138.40	6,303.39	72.94	185.03	-116.63	362.27	3,171.91	1,989.65	1,738.64	251.02	7.926	
8,900.00	6,227.00	13,144.47	6,303.29	73.66	185.19	-115.74	362.72	3,177.96	2,089.27	1,837.99	251.28	8.314	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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-35-36MRLNB - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 17-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,000.00	6,227.00	13,150.41	6,303.19	74.41	185.35	114.92	363.16	3,183.89	2,188.91	1,937.37	251.54	8.702	
9,100.00	6,227.00	13,156.23	6,303.09	75.19	185.50	114.16	363.58	3,189.69	2,288.55	2,036.76	251.79	9.089	
9,200.00	6,227.00	13,161.93	6,302.99	76.01	185.66	113.45	363.99	3,195.37	2,388.21	2,136.18	252.04	9.476	
9,300.00	6,227.00	13,167.51	6,302.89	76.86	185.81	112.79	364.38	3,200.93	2,487.88	2,235.60	252.28	9.862	
9,400.00	6,227.00	13,172.97	6,302.80	77.75	185.95	112.18	364.76	3,206.38	2,587.56	2,335.05	252.51	10.247	
9,500.00	6,227.00	13,178.33	6,302.70	78.67	186.09	111.61	365.14	3,211.73	2,687.24	2,434.51	252.74	10.633	
9,600.00	6,227.00	13,183.58	6,302.60	79.63	186.24	111.07	365.50	3,216.96	2,786.94	2,533.98	252.96	11.017	
9,700.00	6,227.00	13,198.00	6,302.34	80.62	186.62	109.72	366.47	3,231.35	2,886.66	2,633.17	253.50	11.387	
9,800.00	6,227.00	13,198.00	6,302.34	81.64	186.62	109.72	366.47	3,231.35	2,986.36	2,732.82	253.54	11.779	
9,900.00	6,227.00	13,198.00	6,302.34	82.69	186.62	109.72	366.47	3,231.35	3,086.07	2,832.49	253.58	12.170	
10,000.00	6,227.00	13,198.00	6,302.34	83.77	186.62	109.72	366.47	3,231.35	3,185.81	2,932.19	253.62	12.561	
10,100.00	6,227.00	13,198.00	6,302.34	84.88	186.62	109.72	366.47	3,231.35	3,285.56	3,031.90	253.66	12.953	
10,200.00	6,227.00	13,198.00	6,302.34	86.02	186.62	109.72	366.47	3,231.35	3,385.32	3,131.63	253.69	13.344	
10,300.00	6,227.00	13,198.00	6,302.34	87.19	186.62	109.72	366.47	3,231.35	3,485.10	3,231.38	253.72	13.736	
10,400.00	6,227.00	13,198.00	6,302.34	88.38	186.62	109.72	366.47	3,231.35	3,584.89	3,331.14	253.75	14.128	
10,500.00	6,227.00	13,198.00	6,302.34	89.60	186.62	109.72	366.47	3,231.35	3,684.69	3,430.91	253.78	14.519	
10,600.00	6,227.00	13,198.00	6,302.34	90.84	186.62	109.72	366.47	3,231.35	3,784.50	3,530.69	253.81	14.911	
10,700.00	6,227.00	13,198.00	6,302.34	92.11	186.62	109.72	366.47	3,231.35	3,884.32	3,630.49	253.83	15.303	
10,800.00	6,227.00	13,225.75	6,301.90	93.39	187.37	107.53	368.18	3,259.04	3,983.93	3,729.06	254.86	15.632	
10,900.00	6,227.00	13,228.36	6,301.86	94.70	187.44	107.35	368.33	3,261.65	4,083.72	3,828.74	254.99	16.015	
11,000.00	6,227.00	13,230.90	6,301.83	96.03	187.50	107.18	368.47	3,264.18	4,183.53	3,928.42	255.11	16.399	
11,100.00	6,227.00	13,233.37	6,301.81	97.37	187.57	107.01	368.61	3,266.65	4,283.34	4,028.11	255.22	16.783	
11,200.00	6,227.00	13,235.78	6,301.78	98.74	187.63	106.85	368.74	3,269.05	4,383.15	4,127.81	255.34	17.166	
11,300.00	6,227.00	13,238.12	6,301.75	100.12	187.70	106.70	368.87	3,271.39	4,482.97	4,227.52	255.45	17.549	
11,400.00	6,227.00	13,240.40	6,301.73	101.51	187.76	106.56	368.99	3,273.67	4,582.80	4,327.24	255.56	17.932	
11,500.00	6,227.00	13,242.62	6,301.71	102.92	187.82	106.42	369.11	3,275.89	4,682.63	4,426.96	255.67	18.315	
11,600.00	6,227.00	13,244.79	6,301.69	104.35	187.88	106.29	369.22	3,278.05	4,782.46	4,526.69	255.77	18.698	
11,700.00	6,227.00	13,246.91	6,301.67	105.79	187.93	106.16	369.33	3,280.16	4,882.30	4,626.43	255.87	19.081	
11,800.00	6,227.00	13,248.97	6,301.66	107.24	187.99	106.04	369.43	3,282.22	4,982.14	4,726.17	255.97	19.463	
11,900.00	6,227.00	13,250.98	6,301.64	108.71	188.04	105.92	369.53	3,284.23	5,081.99	4,825.91	256.07	19.846	
12,000.00	6,227.00	13,252.94	6,301.63	110.19	188.10	105.81	369.63	3,286.19	5,181.84	4,925.67	256.17	20.228	
12,100.00	6,227.00	13,254.86	6,301.62	111.68	188.15	105.70	369.72	3,288.11	5,281.69	5,025.43	256.27	20.610	
12,200.00	6,227.00	13,256.73	6,301.61	113.18	188.20	105.60	369.81	3,289.98	5,381.55	5,125.19	256.36	20.992	
12,300.00	6,227.00	13,258.56	6,301.59	114.68	188.25	105.50	369.89	3,291.81	5,481.41	5,224.96	256.45	21.374	
12,400.00	6,227.00	13,289.00	6,301.53	116.20	189.06	104.01	371.17	3,322.22	5,581.49	5,323.88	257.61	21.667	
12,500.00	6,227.00	13,289.00	6,301.53	117.73	189.06	104.01	371.17	3,322.22	5,681.33	5,423.69	257.63	22.052	
12,600.00	6,227.00	13,289.00	6,301.53	119.27	189.06	104.01	371.17	3,322.22	5,781.18	5,523.52	257.66	22.437	
12,700.00	6,227.00	13,289.00	6,301.53	120.81	189.06	104.01	371.17	3,322.22	5,881.03	5,623.34	257.69	22.822	
12,800.00	6,227.00	13,289.00	6,301.53	122.37	189.06	104.01	371.17	3,322.22	5,980.89	5,723.18	257.71	23.208	
12,900.00	6,227.00	13,289.00	6,301.53	123.93	189.06	104.01	371.17	3,322.22	6,080.75	5,823.01	257.74	23.593	
13,000.00	6,227.00	13,289.00	6,301.53	125.49	189.06	104.01	371.17	3,322.22	6,180.62	5,922.85	257.76	23.978	
13,100.00	6,227.00	13,289.00	6,301.53	127.07	189.06	104.01	371.17	3,322.22	6,280.49	6,022.70	257.79	24.363	
13,200.00	6,227.00	13,289.00	6,301.53	128.65	189.06	104.01	371.17	3,322.22	6,380.36	6,122.55	257.81	24.748	
13,300.00	6,227.00	13,289.00	6,301.53	130.24	189.06	104.01	371.17	3,322.22	6,480.24	6,222.40	257.84	25.133	
13,400.00	6,227.00	13,289.00	6,301.53	131.83	189.06	104.01	371.17	3,322.22	6,580.12	6,322.26	257.87	25.518	
13,500.00	6,227.00	13,289.00	6,301.53	133.43	189.06	104.01	371.17	3,322.22	6,680.01	6,422.12	257.89	25.902	
13,600.00	6,227.00	13,289.00	6,301.53	135.03	189.06	104.01	371.17	3,322.22	6,779.90	6,521.98	257.92	26.287	
13,700.00	6,227.00	13,289.00	6,301.53	136.64	189.06	104.01	371.17	3,322.22	6,879.79	6,621.85	257.94	26.672	
13,800.00	6,227.00	13,289.00	6,301.53	138.25	189.06	104.01	371.17	3,322.22	6,979.69	6,721.72	257.97	27.056	
13,900.00	6,227.00	13,289.00	6,301.53	139.87	189.06	104.01	371.17	3,322.22	7,079.59	6,821.59	257.99	27.441	
14,000.00	6,227.00	13,289.00	6,301.53	141.50	189.06	104.01	371.17	3,322.22	7,179.49	6,921.47	258.02	27.825	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
14,100.00	6,227.00	13,289.00	6,301.53	143.12	189.06	104.01	371.17	3,322.22	7,279.39	7,021.35	258.05	28.209	
14,200.00	6,227.00	13,289.00	6,301.53	144.76	189.06	104.01	371.17	3,322.22	7,379.30	7,121.23	258.07	28.594	
14,300.00	6,227.00	13,289.00	6,301.53	146.39	189.06	104.01	371.17	3,322.22	7,479.21	7,221.11	258.10	28.978	
14,400.00	6,227.00	13,289.00	6,301.53	148.03	189.06	104.01	371.17	3,322.22	7,579.12	7,320.99	258.13	29.362	
14,500.00	6,227.00	13,289.00	6,301.53	149.67	189.06	104.01	371.17	3,322.22	7,679.04	7,420.88	258.16	29.746	
14,600.00	6,227.00	13,289.00	6,301.53	151.32	189.06	104.01	371.17	3,322.22	7,778.95	7,520.77	258.18	30.130	
14,700.00	6,227.00	13,289.00	6,301.53	152.97	189.06	104.01	371.17	3,322.22	7,878.87	7,620.66	258.21	30.513	
14,800.00	6,227.00	13,289.00	6,301.53	154.62	189.06	104.01	371.17	3,322.22	7,978.79	7,720.55	258.24	30.897	
14,900.00	6,227.00	13,289.00	6,301.53	156.28	189.06	104.01	371.17	3,322.22	8,078.72	7,820.45	258.27	31.281	
15,000.00	6,227.00	13,289.00	6,301.53	157.94	189.06	104.01	371.17	3,322.22	8,178.64	7,920.35	258.29	31.664	
15,100.00	6,227.00	13,289.00	6,301.53	159.60	189.06	104.01	371.17	3,322.22	8,278.57	8,020.24	258.32	32.047	
15,200.00	6,227.00	13,289.00	6,301.53	161.27	189.06	104.01	371.17	3,322.22	8,378.49	8,120.14	258.35	32.431	
15,300.00	6,227.00	13,289.00	6,301.53	162.94	189.06	104.01	371.17	3,322.22	8,478.42	8,220.04	258.38	32.814	
15,400.00	6,227.00	13,289.00	6,301.53	164.61	189.06	104.01	371.17	3,322.22	8,578.35	8,319.95	258.41	33.197	
15,500.00	6,227.00	13,289.00	6,301.53	166.28	189.06	104.01	371.17	3,322.22	8,678.29	8,419.85	258.44	33.580	
15,600.00	6,227.00	13,289.00	6,301.53	167.95	189.06	104.01	371.17	3,322.22	8,778.22	8,519.75	258.47	33.963	
15,700.00	6,227.00	13,289.00	6,301.53	169.63	189.06	104.01	371.17	3,322.22	8,878.16	8,619.66	258.50	34.345	
15,800.00	6,227.00	13,289.00	6,301.53	171.31	189.06	104.01	371.17	3,322.22	8,978.10	8,719.57	258.53	34.728	
15,900.00	6,227.00	13,289.00	6,301.53	172.99	189.06	104.01	371.17	3,322.22	9,078.03	8,819.48	258.56	35.110	
16,000.00	6,227.00	13,289.00	6,301.53	174.68	189.06	104.01	371.17	3,322.22	9,177.97	8,919.39	258.59	35.493	
16,100.00	6,227.00	13,289.00	6,301.53	176.36	189.06	104.01	371.17	3,322.22	9,277.92	9,019.30	258.62	35.875	
16,200.00	6,227.00	13,289.00	6,301.53	178.05	189.06	104.01	371.17	3,322.22	9,377.86	9,119.21	258.65	36.257	
16,300.00	6,227.00	13,289.00	6,301.53	179.74	189.06	104.01	371.17	3,322.22	9,477.80	9,219.12	258.68	36.639	
16,400.00	6,227.00	13,289.00	6,301.53	181.43	189.06	104.01	371.17	3,322.22	9,577.75	9,319.03	258.71	37.021	
16,500.00	6,227.00	13,289.00	6,301.53	183.13	189.06	104.01	371.17	3,322.22	9,677.69	9,418.95	258.74	37.403	
16,600.00	6,227.00	13,289.00	6,301.53	184.82	189.06	104.01	371.17	3,322.22	9,777.64	9,518.86	258.78	37.784	
16,700.00	6,227.00	13,289.00	6,301.53	186.52	189.06	104.01	371.17	3,322.22	9,877.59	9,618.78	258.81	38.166	
16,800.00	6,227.00	13,289.00	6,301.53	188.22	189.06	104.01	371.17	3,322.22	9,977.54	9,718.70	258.84	38.547	
16,900.00	6,227.00	13,289.00	6,301.53	189.92	189.06	104.01	371.17	3,322.22	10,077.49	9,818.61	258.87	38.928	
17,000.81	6,227.00	13,289.00	6,301.53	191.63	189.06	104.01	371.17	3,322.22	10,178.25	9,919.34	258.91	39.312	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
0.00	0.00	0.00	0.00	0.00	0.00	-68.54	47.00	-119.55	128.93				
100.00	100.00	88.68	88.68	0.27	0.13	-68.59	46.94	-119.69	128.57	128.17	0.40	319.827	
200.00	200.00	188.63	188.63	0.63	0.48	-68.72	46.76	-120.09	128.87	127.76	1.11	115.963	
300.00	300.00	290.55	290.55	0.99	0.83	-68.53	47.02	-119.55	128.48	126.66	1.82	70.563	
400.00	399.98	393.47	393.40	1.34	1.19	-151.17	48.47	-116.37	127.67	125.14	2.53	50.534	
414.40	414.37	407.92	407.83	1.39	1.24	-151.04	48.78	-115.70	127.64	125.01	2.63	48.573	CC, ES
500.00	499.84	493.70	493.48	1.69	1.55	-150.39	51.07	-111.49	128.73	125.50	3.23	39.840	
600.00	599.45	595.44	594.98	2.06	1.92	-149.95	54.26	-105.40	132.03	128.07	3.95	33.398	
700.00	698.70	698.85	698.00	2.44	2.30	-149.95	57.44	-97.08	136.43	131.74	4.69	29.086	
800.00	797.47	803.83	802.30	2.85	2.71	-150.42	60.00	-85.40	140.78	135.35	5.44	25.882	
900.00	895.62	909.62	906.90	3.29	3.14	-151.57	60.99	-69.73	144.18	137.99	6.20	23.273	
1,000.00	993.06	1,015.14	1,010.56	3.76	3.60	-153.20	60.74	-49.98	146.62	139.67	6.96	21.081	
1,100.00	1,089.64	1,119.66	1,112.49	4.27	4.09	-155.22	59.67	-26.93	148.85	141.14	7.71	19.306	
1,200.00	1,185.27	1,223.16	1,212.79	4.83	4.60	-157.75	57.62	-1.47	151.70	143.22	8.47	17.904	
1,300.00	1,279.82	1,329.49	1,314.90	5.45	5.19	-160.83	54.37	27.99	154.72	145.50	9.22	16.788	
1,400.00	1,373.17	1,430.98	1,411.44	6.12	5.78	-164.01	50.73	59.08	158.38	148.39	9.99	15.858	
1,500.00	1,465.21	1,532.06	1,507.34	6.85	6.41	-167.08	47.58	90.85	165.11	154.35	10.77	15.337	
1,600.00	1,555.84	1,635.79	1,605.23	7.65	7.08	-169.88	45.19	125.10	174.13	162.58	11.55	15.079	
1,700.00	1,644.94	1,742.89	1,704.78	8.51	7.83	-172.36	43.50	164.51	182.93	170.61	12.33	14.841	
1,800.00	1,732.39	1,848.36	1,801.35	9.45	8.64	-173.87	44.55	206.89	191.81	178.67	13.14	14.598	
1,827.18	1,755.86	1,877.77	1,827.99	9.72	8.89	-174.13	45.39	219.31	194.23	180.87	13.36	14.539	
1,900.00	1,818.58	1,956.84	1,898.85	10.44	9.55	-174.65	48.23	254.29	199.45	185.50	13.94	14.304	
2,000.00	1,904.71	2,061.23	1,990.97	11.46	10.49	-174.92	53.34	303.10	203.74	188.94	14.80	13.762	
2,100.00	1,990.83	2,157.94	2,075.91	12.49	11.37	-174.69	59.80	348.88	207.31	191.55	15.77	13.150	
2,200.00	2,076.96	2,255.84	2,162.84	13.53	12.27	-173.82	68.72	393.02	213.31	196.58	16.73	12.747	
2,300.00	2,163.08	2,360.06	2,254.57	14.57	13.23	-172.50	79.84	441.22	218.01	200.32	17.69	12.322	
2,400.00	2,249.21	2,461.42	2,343.08	15.62	14.20	-171.03	91.55	489.19	221.60	202.86	18.74	11.828	
2,500.00	2,335.33	2,557.31	2,427.04	16.68	15.11	-169.66	102.78	534.13	225.84	205.97	19.87	11.368	
2,600.00	2,421.45	2,663.58	2,520.07	17.74	16.16	-168.16	115.33	583.92	230.28	209.29	20.99	10.970	
2,700.00	2,507.58	2,768.45	2,609.85	18.81	17.23	-166.35	128.84	636.40	231.24	208.99	22.25	10.394	
2,800.00	2,593.70	2,868.01	2,694.52	19.87	18.28	-164.38	142.55	686.95	231.67	208.00	23.67	9.788	
2,900.00	2,679.83	2,965.07	2,777.53	20.94	19.31	-162.60	155.59	735.53	233.17	208.00	25.17	9.262	
3,000.00	2,765.95	3,069.83	2,867.00	22.01	20.42	-160.84	168.96	788.36	234.37	207.65	26.72	8.773	
3,100.00	2,852.08	3,169.39	2,951.54	23.09	21.50	-159.29	180.95	839.56	234.51	206.19	28.33	8.279	
3,200.00	2,938.20	3,268.10	3,035.87	24.16	22.57	-158.03	191.94	889.67	235.36	205.44	29.93	7.865	
3,300.00	3,024.32	3,367.11	3,120.89	25.24	23.63	-157.04	201.99	939.42	236.68	205.19	31.49	7.517	
3,400.00	3,110.45	3,465.63	3,205.75	26.32	24.67	-156.12	211.96	988.46	238.56	205.49	33.07	7.215	
3,500.00	3,196.57	3,572.23	3,297.08	27.40	25.83	-155.14	222.40	1,042.41	239.51	204.83	34.68	6.906	
3,600.00	3,282.70	3,679.12	3,387.03	28.48	27.05	-153.99	232.43	1,099.29	237.54	201.13	36.41	6.524	
3,700.00	3,368.82	3,783.93	3,473.20	29.56	28.31	-152.24	243.53	1,157.89	233.03	194.54	38.49	6.054	
3,800.00	3,454.95	3,884.10	3,554.82	30.64	29.53	-150.50	253.53	1,215.09	227.20	186.48	40.72	5.580	
3,900.00	3,541.07	3,980.00	3,634.24	31.72	30.69	-149.21	262.19	1,268.13	223.19	180.33	42.85	5.208	
3,971.18	3,602.37	4,043.32	3,687.85	32.49	31.38	-148.69	267.37	1,301.42	222.21	178.03	44.19	5.029	
4,000.00	3,627.19	4,069.73	3,710.53	32.80	31.68	-148.57	269.39	1,314.80	222.37	177.70	44.67	4.978	
4,100.00	3,713.32	4,165.39	3,793.84	33.89	32.68	-148.51	276.22	1,361.31	224.79	178.69	46.10	4.876	
4,200.00	3,799.44	4,263.49	3,879.81	34.97	33.68	-148.60	283.08	1,408.06	228.17	180.74	47.43	4.811	
4,300.00	3,885.57	4,361.00	3,965.60	36.05	34.66	-148.62	290.56	1,453.82	232.56	183.78	48.79	4.767	
4,400.00	3,971.69	4,461.22	4,053.72	37.14	35.67	-148.45	299.15	1,500.76	237.41	187.13	50.28	4.722	
4,500.00	4,057.82	4,560.14	4,140.58	38.22	36.66	-148.18	308.08	1,547.25	242.25	190.42	51.84	4.674	
4,600.00	4,143.94	4,654.21	4,223.86	39.31	37.56	-148.22	315.80	1,590.30	248.08	194.95	53.13	4.669	SF
4,700.00	4,230.06	4,742.00	4,303.57	40.39	38.36	-148.93	321.82	1,626.56	257.80	203.97	53.83	4.789	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
4,800.00	4,316.19	4,840.71	4,394.39	41.48	39.16	-150.03	328.02	1,664.73	269.97	215.60	54.37	4.965	
4,900.00	4,402.31	4,937.46	4,483.63	42.57	39.94	-151.08	334.00	1,701.64	282.71	227.84	54.87	5.153	
5,000.00	4,488.44	5,036.97	4,575.93	43.65	40.74	-152.34	339.14	1,738.45	296.33	241.09	55.25	5.364	
5,100.00	4,574.56	5,140.60	4,671.19	44.74	41.58	-153.20	345.58	1,778.71	308.55	252.60	55.95	5.515	
5,200.00	4,660.69	5,234.31	4,757.17	45.83	42.36	-153.65	352.97	1,815.24	321.22	264.46	56.76	5.659	
5,300.00	4,746.81	5,317.30	4,834.03	46.91	42.98	-153.95	360.69	1,845.56	336.86	279.46	57.40	5.869	
5,400.00	4,832.93	5,399.04	4,911.17	48.00	43.56	-154.36	368.96	1,871.26	357.68	299.86	57.82	6.186	
5,500.00	4,919.06	5,486.97	4,995.26	49.09	44.09	-155.08	376.77	1,895.74	381.71	323.59	58.13	6.567	
5,600.00	5,005.18	5,566.77	5,072.40	50.17	44.51	-155.93	382.87	1,915.21	408.83	350.81	58.02	7.046	
5,700.00	5,091.31	5,644.16	5,147.96	51.26	44.89	-156.75	389.16	1,930.67	440.27	382.46	57.81	7.616	
5,800.00	5,177.43	5,727.62	5,230.02	52.35	45.22	-157.71	395.27	1,944.65	474.65	416.93	57.72	8.224	
5,900.00	5,263.56	5,806.14	5,307.64	53.44	45.50	-158.72	399.71	1,955.58	511.43	454.03	57.40	8.910	
6,000.00	5,349.68	5,885.00	5,386.03	54.53	45.75	-159.88	402.46	1,963.59	551.30	494.28	57.02	9.668	
6,100.00	5,435.80	5,957.90	5,458.73	55.61	45.92	-161.01	403.70	1,968.77	593.80	537.35	56.45	10.518	
6,200.00	5,521.93	6,033.67	5,534.42	56.70	46.09	-162.18	403.97	1,972.44	638.44	582.42	56.02	11.397	
6,300.00	5,608.05	6,107.04	5,607.75	57.79	46.22	-163.31	403.24	1,974.28	685.20	629.63	55.57	12.330	
6,400.00	5,694.18	6,184.96	5,685.65	58.88	46.34	-164.48	401.48	1,974.63	733.85	678.55	55.31	13.268	
6,479.32	5,762.49	6,250.50	5,751.16	59.74	46.43	-165.40	399.51	1,974.49	773.03	717.77	55.26	13.990	
6,500.00	5,780.28	6,269.41	5,770.07	59.97	46.45	-161.08	398.91	1,974.44	783.23	727.95	55.29	14.167	
6,550.00	5,822.98	6,314.65	5,815.28	60.51	46.51	-151.30	397.16	1,974.38	807.42	752.17	55.25	14.614	
6,600.00	5,865.00	6,357.58	5,858.02	61.05	46.57	-142.74	393.35	1,974.31	830.93	775.94	54.99	15.110	
6,650.00	5,906.01	6,384.37	5,884.46	61.57	46.59	-134.90	389.06	1,974.03	854.25	799.98	54.27	15.740	
6,700.00	5,945.70	6,405.72	5,905.33	62.08	46.61	-127.88	384.62	1,973.44	877.93	824.52	53.42	16.435	
6,750.00	5,983.77	6,428.00	5,926.95	62.56	46.63	-121.84	379.30	1,972.46	902.05	849.42	52.63	17.141	
6,800.00	6,019.92	6,446.92	5,945.16	63.02	46.63	-116.42	374.30	1,971.49	926.49	874.61	51.88	17.860	
6,850.00	6,053.90	6,465.83	5,963.26	63.45	46.64	-111.68	368.88	1,970.51	951.17	899.87	51.30	18.542	
6,900.00	6,085.42	6,478.87	5,975.66	63.86	46.65	-107.15	364.90	1,969.78	976.17	925.38	50.80	19.218	
6,950.00	6,114.26	6,491.00	5,987.12	64.23	46.65	-103.03	361.02	1,969.07	1,001.47	950.95	50.52	19.823	
7,000.00	6,140.20	6,491.00	5,987.12	64.58	46.65	-98.56	361.02	1,969.07	1,026.97	976.81	50.16	20.473	
7,050.00	6,163.03	6,499.55	5,995.17	64.89	46.65	-95.01	358.17	1,968.55	1,052.52	1,002.17	50.35	20.905	
7,100.00	6,182.59	6,501.00	5,996.53	65.17	46.65	-91.37	357.67	1,968.46	1,078.02	1,027.41	50.60	21.303	
7,150.00	6,198.73	6,500.24	5,995.82	65.42	46.65	-87.95	357.93	1,968.51	1,103.27	1,052.20	51.07	21.602	
7,200.00	6,211.32	6,491.00	5,987.12	65.65	46.65	-84.39	361.02	1,969.07	1,128.15	1,076.63	51.51	21.900	
7,250.00	6,220.26	6,491.00	5,987.12	65.84	46.65	-81.74	361.02	1,969.07	1,152.36	1,099.80	52.56	21.926	
7,300.00	6,225.50	6,491.00	5,987.12	66.01	46.65	-79.43	361.02	1,969.07	1,175.84	1,121.99	53.85	21.836	
7,344.70	6,227.00	6,480.90	5,977.57	66.14	46.65	-77.16	364.26	1,969.67	1,196.02	1,141.21	54.81	21.820	
7,400.00	6,227.00	6,472.44	5,969.55	66.29	46.64	-76.74	366.89	1,970.15	1,221.41	1,165.12	56.30	21.696	
7,500.00	6,227.00	6,459.00	5,956.74	66.58	46.64	-76.06	370.88	1,970.86	1,271.90	1,212.72	59.18	21.493	
7,600.00	6,227.00	6,443.72	5,942.09	66.90	46.63	-75.30	375.17	1,971.65	1,327.70	1,265.68	62.02	21.409	
7,700.00	6,227.00	6,428.00	5,926.95	67.24	46.63	-74.51	379.30	1,972.46	1,388.19	1,323.44	64.75	21.439	
7,800.00	6,227.00	6,428.00	5,926.95	67.61	46.63	-74.51	379.30	1,972.46	1,452.90	1,385.12	67.78	21.436	
7,900.00	6,227.00	6,414.23	5,913.61	68.00	46.62	-73.82	382.67	1,973.11	1,521.22	1,451.02	70.20	21.671	
8,000.00	6,227.00	6,407.31	5,906.88	68.43	46.61	-73.48	384.27	1,973.38	1,592.82	1,520.25	72.58	21.947	
8,100.00	6,227.00	6,396.00	5,895.85	68.88	46.60	-72.92	386.74	1,973.75	1,667.29	1,592.66	74.63	22.339	
8,200.00	6,227.00	6,396.00	5,895.85	69.36	46.60	-72.92	386.74	1,973.75	1,744.19	1,667.45	76.73	22.731	
8,300.00	6,227.00	6,396.00	5,895.85	69.88	46.60	-72.92	386.74	1,973.75	1,823.33	1,744.71	78.62	23.193	
8,400.00	6,227.00	6,396.00	5,895.85	70.43	46.60	-72.92	386.74	1,973.75	1,904.43	1,824.12	80.31	23.714	
8,500.00	6,227.00	6,396.00	5,895.85	71.00	46.60	-72.92	386.74	1,973.75	1,987.26	1,905.43	81.83	24.286	
8,600.00	6,227.00	6,379.88	5,880.05	71.62	46.59	-72.12	389.88	1,974.11	2,071.25	1,988.31	82.94	24.972	
8,700.00	6,227.00	6,364.00	5,864.38	72.26	46.57	-71.34	392.45	1,974.28	2,157.00	2,073.04	83.96	25.691	
8,800.00	6,227.00	6,364.00	5,864.38	72.94	46.57	-71.34	392.45	1,974.28	2,243.62	2,158.52	85.10	26.364	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
8,900.00	6,227.00	6,364.00	5,864.38	73.66	46.57	-71.34	392.45	1,974.28	2,331.32	2,245.18	86.14	27.065	
9,000.00	6,227.00	6,364.00	5,864.38	74.41	46.57	-71.34	392.45	1,974.28	2,419.96	2,332.89	87.08	27.791	
9,100.00	6,227.00	6,364.00	5,864.38	75.19	46.57	-71.34	392.45	1,974.28	2,509.47	2,421.53	87.93	28.539	
9,200.00	6,227.00	6,364.00	5,864.38	76.01	46.57	-71.34	392.45	1,974.28	2,599.73	2,511.02	88.71	29.306	
9,300.00	6,227.00	6,364.00	5,864.38	76.86	46.57	-71.34	392.45	1,974.28	2,690.69	2,601.26	89.42	30.089	
9,400.00	6,227.00	6,364.00	5,864.38	77.75	46.57	-71.34	392.45	1,974.28	2,782.26	2,692.18	90.08	30.887	
9,500.00	6,227.00	6,364.00	5,864.38	78.67	46.57	-71.34	392.45	1,974.28	2,874.40	2,783.72	90.68	31.698	
9,600.00	6,227.00	6,364.00	5,864.38	79.63	46.57	-71.34	392.45	1,974.28	2,967.05	2,875.81	91.24	32.520	
9,700.00	6,227.00	6,364.00	5,864.38	80.62	46.57	-71.34	392.45	1,974.28	3,060.16	2,968.41	91.75	33.354	
9,800.00	6,227.00	6,364.00	5,864.38	81.64	46.57	-71.34	392.45	1,974.28	3,153.69	3,061.46	92.22	34.196	
9,900.00	6,227.00	6,364.00	5,864.38	82.69	46.57	-71.34	392.45	1,974.28	3,247.60	3,154.94	92.66	35.047	
10,000.00	6,227.00	6,349.49	5,849.99	83.77	46.56	-70.63	394.34	1,974.34	3,341.62	3,248.65	92.96	35.945	
10,100.00	6,227.00	6,348.11	5,848.62	84.88	46.55	-70.57	394.50	1,974.34	3,436.16	3,342.82	93.34	36.813	
10,200.00	6,227.00	6,346.81	5,847.32	86.02	46.55	-70.50	394.64	1,974.34	3,531.00	3,437.31	93.69	37.687	
10,300.00	6,227.00	6,333.00	5,833.58	87.19	46.54	-69.83	395.93	1,974.37	3,626.31	3,532.37	93.94	38.603	
10,400.00	6,227.00	6,333.00	5,833.58	88.38	46.54	-69.83	395.93	1,974.37	3,721.64	3,627.38	94.26	39.482	
10,500.00	6,227.00	6,333.00	5,833.58	89.60	46.54	-69.83	395.93	1,974.37	3,817.21	3,722.65	94.56	40.367	
10,600.00	6,227.00	6,333.00	5,833.58	90.84	46.54	-69.83	395.93	1,974.37	3,913.00	3,818.15	94.85	41.256	
10,700.00	6,227.00	6,333.00	5,833.58	92.11	46.54	-69.83	395.93	1,974.37	4,009.00	3,913.88	95.12	42.149	
10,800.00	6,227.00	6,333.00	5,833.58	93.39	46.54	-69.83	395.93	1,974.37	4,105.19	4,009.82	95.37	43.045	
10,900.00	6,227.00	6,333.00	5,833.58	94.70	46.54	-69.83	395.93	1,974.37	4,201.55	4,105.94	95.61	43.945	
11,000.00	6,227.00	6,333.00	5,833.58	96.03	46.54	-69.83	395.93	1,974.37	4,298.09	4,202.25	95.84	44.848	
11,100.00	6,227.00	6,333.00	5,833.58	97.37	46.54	-69.83	395.93	1,974.37	4,394.77	4,298.72	96.05	45.754	
11,200.00	6,227.00	6,333.00	5,833.58	98.74	46.54	-69.83	395.93	1,974.37	4,491.61	4,395.35	96.26	46.662	
11,300.00	6,227.00	6,333.00	5,833.58	100.12	46.54	-69.83	395.93	1,974.37	4,588.57	4,492.12	96.45	47.572	
11,400.00	6,227.00	6,333.00	5,833.58	101.51	46.54	-69.83	395.93	1,974.37	4,685.67	4,589.03	96.64	48.485	
11,500.00	6,227.00	6,333.00	5,833.58	102.92	46.54	-69.83	395.93	1,974.37	4,782.89	4,686.07	96.82	49.400	
11,600.00	6,227.00	6,333.00	5,833.58	104.35	46.54	-69.83	395.93	1,974.37	4,880.21	4,783.22	96.99	50.316	
11,700.00	6,227.00	6,333.00	5,833.58	105.79	46.54	-69.83	395.93	1,974.37	4,977.65	4,880.49	97.16	51.234	
11,800.00	6,227.00	6,333.00	5,833.58	107.24	46.54	-69.83	395.93	1,974.37	5,075.18	4,977.87	97.31	52.153	
11,900.00	6,227.00	6,333.00	5,833.58	108.71	46.54	-69.83	395.93	1,974.37	5,172.81	5,075.35	97.46	53.074	
12,000.00	6,227.00	6,333.00	5,833.58	110.19	46.54	-69.83	395.93	1,974.37	5,270.53	5,172.92	97.61	53.996	
12,100.00	6,227.00	6,333.00	5,833.58	111.68	46.54	-69.83	395.93	1,974.37	5,368.33	5,270.58	97.75	54.919	
12,200.00	6,227.00	6,333.00	5,833.58	113.18	46.54	-69.83	395.93	1,974.37	5,466.21	5,368.32	97.89	55.843	
12,300.00	6,227.00	6,333.00	5,833.58	114.68	46.54	-69.83	395.93	1,974.37	5,564.17	5,466.15	98.02	56.768	
12,400.00	6,227.00	6,333.00	5,833.58	116.20	46.54	-69.83	395.93	1,974.37	5,662.19	5,564.05	98.14	57.693	
12,500.00	6,227.00	6,333.00	5,833.58	117.73	46.54	-69.83	395.93	1,974.37	5,760.29	5,662.02	98.27	58.620	
12,600.00	6,227.00	6,333.00	5,833.58	119.27	46.54	-69.83	395.93	1,974.37	5,858.45	5,760.06	98.38	59.547	
12,700.00	6,227.00	6,333.00	5,833.58	120.81	46.54	-69.83	395.93	1,974.37	5,956.67	5,858.17	98.50	60.474	
12,800.00	6,227.00	6,333.00	5,833.58	122.37	46.54	-69.83	395.93	1,974.37	6,054.95	5,956.34	98.61	61.402	
12,900.00	6,227.00	6,333.00	5,833.58	123.93	46.54	-69.83	395.93	1,974.37	6,153.28	6,054.56	98.72	62.331	
13,000.00	6,227.00	6,333.00	5,833.58	125.49	46.54	-69.83	395.93	1,974.37	6,251.67	6,152.85	98.83	63.260	
13,100.00	6,227.00	6,333.00	5,833.58	127.07	46.54	-69.83	395.93	1,974.37	6,350.11	6,251.18	98.93	64.189	
13,200.00	6,227.00	6,333.00	5,833.58	128.65	46.54	-69.83	395.93	1,974.37	6,448.59	6,349.57	99.03	65.118	
13,300.00	6,227.00	6,333.00	5,833.58	130.24	46.54	-69.83	395.93	1,974.37	6,547.13	6,448.00	99.13	66.048	
13,400.00	6,227.00	6,318.55	5,819.17	131.83	46.52	-69.14	396.94	1,974.38	6,645.56	6,546.38	99.17	67.008	
13,500.00	6,227.00	6,317.91	5,818.52	133.43	46.52	-69.11	396.98	1,974.38	6,744.16	6,644.89	99.27	67.939	
13,600.00	6,227.00	6,317.28	5,817.90	135.03	46.51	-69.08	397.01	1,974.38	6,842.81	6,743.45	99.36	68.870	
13,700.00	6,227.00	6,316.67	5,817.28	136.64	46.51	-69.05	397.05	1,974.38	6,941.49	6,842.04	99.45	69.801	
13,800.00	6,227.00	6,316.07	5,816.69	138.25	46.51	-69.02	397.08	1,974.38	7,040.21	6,940.68	99.53	70.732	
13,900.00	6,227.00	6,315.49	5,816.11	139.87	46.51	-68.99	397.12	1,974.38	7,138.96	7,039.35	99.62	71.663	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
14,000.00	6,227.00	6,301.00	5,801.64	141.50	46.49	-68.30	397.80	1,974.39	7,237.89	7,138.23	99.66	72.626	
14,100.00	6,227.00	6,301.00	5,801.64	143.12	46.49	-68.30	397.80	1,974.39	7,336.70	7,236.95	99.74	73.555	
14,200.00	6,227.00	6,301.00	5,801.64	144.76	46.49	-68.30	397.80	1,974.39	7,435.54	7,335.71	99.83	74.484	
14,300.00	6,227.00	6,301.00	5,801.64	146.39	46.49	-68.30	397.80	1,974.39	7,534.41	7,434.50	99.91	75.413	
14,400.00	6,227.00	6,301.00	5,801.64	148.03	46.49	-68.30	397.80	1,974.39	7,633.31	7,533.32	99.99	76.341	
14,500.00	6,227.00	6,301.00	5,801.64	149.67	46.49	-68.30	397.80	1,974.39	7,732.24	7,632.17	100.07	77.269	
14,600.00	6,227.00	6,301.00	5,801.64	151.32	46.49	-68.30	397.80	1,974.39	7,831.20	7,731.05	100.15	78.197	
14,700.00	6,227.00	6,301.00	5,801.64	152.97	46.49	-68.30	397.80	1,974.39	7,930.18	7,829.96	100.22	79.125	
14,800.00	6,227.00	6,301.00	5,801.64	154.62	46.49	-68.30	397.80	1,974.39	8,029.19	7,928.89	100.30	80.052	
14,900.00	6,227.00	6,301.00	5,801.64	156.28	46.49	-68.30	397.80	1,974.39	8,128.23	8,027.85	100.37	80.979	
15,000.00	6,227.00	6,301.00	5,801.64	157.94	46.49	-68.30	397.80	1,974.39	8,227.28	8,126.83	100.45	81.905	
15,100.00	6,227.00	6,301.00	5,801.64	159.60	46.49	-68.30	397.80	1,974.39	8,326.36	8,225.84	100.52	82.831	
15,200.00	6,227.00	6,301.00	5,801.64	161.27	46.49	-68.30	397.80	1,974.39	8,425.46	8,324.87	100.60	83.756	
15,300.00	6,227.00	6,301.00	5,801.64	162.94	46.49	-68.30	397.80	1,974.39	8,524.58	8,423.92	100.67	84.681	
15,400.00	6,227.00	6,301.00	5,801.64	164.61	46.49	-68.30	397.80	1,974.39	8,623.73	8,522.99	100.74	85.605	
15,500.00	6,227.00	6,301.00	5,801.64	166.28	46.49	-68.30	397.80	1,974.39	8,722.89	8,622.08	100.81	86.529	
15,600.00	6,227.00	6,301.00	5,801.64	167.95	46.49	-68.30	397.80	1,974.39	8,822.07	8,721.19	100.88	87.452	
15,700.00	6,227.00	6,301.00	5,801.64	169.63	46.49	-68.30	397.80	1,974.39	8,921.27	8,820.32	100.95	88.375	
15,800.00	6,227.00	6,301.00	5,801.64	171.31	46.49	-68.30	397.80	1,974.39	9,020.48	8,919.47	101.02	89.297	
15,900.00	6,227.00	6,301.00	5,801.64	172.99	46.49	-68.30	397.80	1,974.39	9,119.72	9,018.63	101.08	90.218	
16,000.00	6,227.00	6,301.00	5,801.64	174.68	46.49	-68.30	397.80	1,974.39	9,218.97	9,117.81	101.15	91.139	
16,100.00	6,227.00	6,301.00	5,801.64	176.36	46.49	-68.30	397.80	1,974.39	9,318.23	9,217.01	101.22	92.059	
16,200.00	6,227.00	6,301.00	5,801.64	178.05	46.49	-68.30	397.80	1,974.39	9,417.52	9,316.23	101.29	92.979	
16,300.00	6,227.00	6,301.00	5,801.64	179.74	46.49	-68.30	397.80	1,974.39	9,516.81	9,415.46	101.35	93.898	
16,400.00	6,227.00	6,301.00	5,801.64	181.43	46.49	-68.30	397.80	1,974.39	9,616.12	9,514.70	101.42	94.816	
16,500.00	6,227.00	6,301.00	5,801.64	183.13	46.49	-68.30	397.80	1,974.39	9,715.45	9,613.96	101.48	95.733	
16,600.00	6,227.00	6,301.00	5,801.64	184.82	46.49	-68.30	397.80	1,974.39	9,814.79	9,713.24	101.55	96.649	
16,700.00	6,227.00	6,301.00	5,801.64	186.52	46.49	-68.30	397.80	1,974.39	9,914.14	9,812.53	101.62	97.565	
16,800.00	6,227.00	6,301.00	5,801.64	188.22	46.49	-68.30	397.80	1,974.39	10,013.51	9,911.83	101.68	98.480	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
0.00	0.00	4.28	4.28	0.00	0.01	141.72	-4,315.00	3,404.92	5,496.61				
100.00	100.00	111.23	111.23	0.27	0.19	141.72	-4,314.91	3,404.92	5,496.54	5,496.08	0.46	N/A	
200.00	200.00	218.18	218.17	0.63	0.38	141.72	-4,314.66	3,404.90	5,496.35	5,495.34	1.01	5,456.150	
300.00	300.00	325.12	325.12	0.99	0.57	141.72	-4,314.24	3,404.88	5,496.02	5,494.47	1.55	3,540.994	
400.00	399.98	432.05	432.04	1.34	0.75	58.38	-4,313.65	3,404.85	5,494.66	5,492.57	2.09	2,628.245	
500.00	499.84	538.84	538.84	1.69	0.94	58.48	-4,312.90	3,404.81	5,491.34	5,488.71	2.63	2,088.018	
600.00	599.45	639.53	639.52	2.06	1.18	58.64	-4,312.06	3,404.77	5,486.11	5,482.87	3.24	1,694.515	
700.00	698.70	742.39	742.38	2.44	1.55	58.87	-4,311.31	3,404.67	5,479.12	5,475.13	3.98	1,375.957	
800.00	797.47	831.24	831.23	2.85	1.87	59.15	-4,310.72	3,404.35	5,470.25	5,465.55	4.69	1,165.745	
900.00	895.62	905.45	905.44	3.29	2.13	59.45	-4,310.61	3,404.15	5,460.07	5,454.70	5.37	1,016.810	
1,000.00	993.06	991.40	991.36	3.76	2.43	59.85	-4,311.70	3,402.75	5,448.49	5,442.38	6.11	891.848	
1,100.00	1,089.64	1,087.43	1,087.31	4.27	2.75	60.35	-4,314.16	3,399.76	5,435.40	5,428.49	6.91	786.047	
1,200.00	1,185.27	1,227.25	1,226.60	4.83	3.25	61.11	-4,320.92	3,389.96	5,420.21	5,412.28	7.93	683.874	
1,300.00	1,279.82	1,338.00	1,336.29	5.45	3.66	61.91	-4,328.95	3,377.18	5,402.89	5,393.98	8.90	606.960	
1,400.00	1,373.17	1,371.11	1,368.93	6.12	3.80	62.40	-4,332.15	3,372.59	5,384.82	5,375.17	9.64	558.388	
1,500.00	1,465.21	1,428.00	1,424.93	6.85	4.02	63.05	-4,338.48	3,364.85	5,366.58	5,356.04	10.54	509.348	
1,600.00	1,555.84	1,447.43	1,444.04	7.65	4.10	63.51	-4,340.81	3,362.25	5,347.76	5,336.42	11.34	471.596	
1,700.00	1,644.94	1,562.66	1,557.52	8.51	4.58	64.58	-4,354.13	3,347.31	5,328.28	5,315.67	12.61	422.607	
1,800.00	1,732.39	10,887.44	6,368.83	9.45	80.68	106.51	-79.26	2,943.99	5,295.51	5,239.35	56.15	94.308	
1,827.18	1,755.86	10,889.65	6,368.88	9.72	80.72	112.66	-77.05	2,944.01	5,268.43	5,212.24	56.19	93.761	
1,900.00	1,818.58	10,895.61	6,369.00	10.44	80.82	112.88	-71.09	2,944.08	5,195.87	5,139.57	56.29	92.299	
2,000.00	1,904.71	10,903.80	6,369.17	11.46	80.96	113.20	-62.91	2,944.16	5,096.24	5,039.80	56.44	90.295	
2,100.00	1,990.83	10,911.98	6,369.34	12.49	81.10	113.53	-54.73	2,944.25	4,996.61	4,940.02	56.59	88.295	
2,200.00	2,076.96	10,915.00	6,369.41	13.53	81.15	113.65	-51.71	2,944.28	4,896.98	4,840.29	56.69	86.388	
2,300.00	2,163.08	10,915.00	6,369.41	14.57	81.15	113.65	-51.71	2,944.28	4,797.37	4,740.62	56.75	84.531	
2,400.00	2,249.21	10,915.00	6,369.41	15.62	81.15	113.65	-51.71	2,944.28	4,697.77	4,640.95	56.82	82.672	
2,500.00	2,335.33	10,915.00	6,369.41	16.68	81.15	113.65	-51.71	2,944.28	4,598.20	4,541.30	56.90	80.811	
2,600.00	2,421.45	10,915.00	6,369.41	17.74	81.15	113.65	-51.71	2,944.28	4,498.64	4,441.66	56.98	78.950	
2,700.00	2,507.58	10,915.00	6,369.41	18.81	81.15	113.65	-51.71	2,944.28	4,399.10	4,342.03	57.07	77.087	
2,800.00	2,593.70	10,915.00	6,369.41	19.87	81.15	113.65	-51.71	2,944.28	4,299.58	4,242.42	57.16	75.224	
2,900.00	2,679.83	10,915.00	6,369.41	20.94	81.15	113.65	-51.71	2,944.28	4,200.09	4,142.84	57.25	73.362	
3,000.00	2,765.95	10,915.00	6,369.41	22.01	81.15	113.65	-51.71	2,944.28	4,100.62	4,043.27	57.35	71.499	
3,100.00	2,852.08	10,915.00	6,369.41	23.09	81.15	113.65	-51.71	2,944.28	4,001.17	3,943.72	57.46	69.638	
3,200.00	2,938.20	10,915.00	6,369.41	24.16	81.15	113.65	-51.71	2,944.28	3,901.76	3,844.19	57.57	67.778	
3,300.00	3,024.32	10,915.00	6,369.41	25.24	81.15	113.65	-51.71	2,944.28	3,802.37	3,744.69	57.68	65.919	
3,400.00	3,110.45	10,915.00	6,369.41	26.32	81.15	113.65	-51.71	2,944.28	3,703.02	3,645.22	57.80	64.062	
3,500.00	3,196.57	10,915.00	6,369.41	27.40	81.15	113.65	-51.71	2,944.28	3,603.71	3,545.78	57.93	62.207	
3,600.00	3,282.70	10,915.00	6,369.41	28.48	81.15	113.65	-51.71	2,944.28	3,504.43	3,446.37	58.06	60.355	
3,700.00	3,368.82	10,915.00	6,369.41	29.56	81.15	113.65	-51.71	2,944.28	3,405.20	3,346.99	58.20	58.505	
3,800.00	3,454.95	10,915.00	6,369.41	30.64	81.15	113.65	-51.71	2,944.28	3,306.01	3,247.66	58.35	56.658	
3,900.00	3,541.07	10,915.00	6,369.41	31.72	81.15	113.65	-51.71	2,944.28	3,206.87	3,148.37	58.50	54.815	
4,000.00	3,627.19	10,915.00	6,369.41	32.80	81.15	113.65	-51.71	2,944.28	3,107.79	3,049.13	58.67	52.974	
4,100.00	3,713.32	10,915.00	6,369.41	33.89	81.15	113.65	-51.71	2,944.28	3,008.77	2,949.93	58.84	51.138	
4,200.00	3,799.44	10,915.00	6,369.41	34.97	81.15	113.65	-51.71	2,944.28	2,909.82	2,850.80	59.02	49.305	
4,300.00	3,885.57	10,915.00	6,369.41	36.05	81.15	113.65	-51.71	2,944.28	2,810.94	2,751.73	59.21	47.476	
4,400.00	3,971.69	10,915.00	6,369.41	37.14	81.15	113.65	-51.71	2,944.28	2,712.14	2,652.73	59.41	45.652	
4,500.00	4,057.82	10,915.00	6,369.41	38.22	81.15	113.65	-51.71	2,944.28	2,613.43	2,553.81	59.62	43.833	
4,600.00	4,143.94	10,915.00	6,369.41	39.31	81.15	113.65	-51.71	2,944.28	2,514.83	2,454.97	59.85	42.018	
4,700.00	4,230.06	10,915.00	6,369.41	40.39	81.15	113.65	-51.71	2,944.28	2,416.34	2,356.24	60.09	40.209	
4,800.00	4,316.19	10,915.00	6,369.41	41.48	81.15	113.65	-51.71	2,944.28	2,317.98	2,257.62	60.35	38.406	
4,900.00	4,402.31	10,915.00	6,369.41	42.57	81.15	113.65	-51.71	2,944.28	2,219.76	2,159.13	60.64	36.608	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
5,000.00	4,488.44	10,915.00	6,369.41	43.65	81.15	113.65	-51.71	2,944.28	2,121.71	2,060.78	60.94	34.818	
5,100.00	4,574.56	10,915.00	6,369.41	44.74	81.15	113.65	-51.71	2,944.28	2,023.86	1,962.59	61.27	33.034	
5,200.00	4,660.69	10,915.00	6,369.41	45.83	81.15	113.65	-51.71	2,944.28	1,926.22	1,864.60	61.62	31.259	
5,300.00	4,746.81	10,915.00	6,369.41	46.91	81.15	113.65	-51.71	2,944.28	1,828.84	1,766.83	62.01	29.492	
5,400.00	4,832.93	10,915.00	6,369.41	48.00	81.15	113.65	-51.71	2,944.28	1,731.76	1,669.32	62.44	27.735	
5,500.00	4,919.06	10,915.00	6,369.41	49.09	81.15	113.65	-51.71	2,944.28	1,635.03	1,572.12	62.91	25.990	
5,600.00	5,005.18	10,915.00	6,369.41	50.17	81.15	113.65	-51.71	2,944.28	1,538.72	1,475.29	63.43	24.257	
5,700.00	5,091.31	10,915.00	6,369.41	51.26	81.15	113.65	-51.71	2,944.28	1,442.91	1,378.89	64.02	22.540	
5,800.00	5,177.43	10,915.00	6,369.41	52.35	81.15	113.65	-51.71	2,944.28	1,347.71	1,283.04	64.67	20.840	
5,900.00	5,263.56	10,915.00	6,369.41	53.44	81.15	113.65	-51.71	2,944.28	1,253.25	1,187.85	65.40	19.162	
6,000.00	5,349.68	10,915.00	6,369.41	54.53	81.15	113.65	-51.71	2,944.28	1,159.73	1,093.50	66.23	17.510	
6,100.00	5,435.80	10,915.00	6,369.41	55.61	81.15	113.65	-51.71	2,944.28	1,067.38	1,000.21	67.18	15.889	
6,200.00	5,521.93	10,915.00	6,369.41	56.70	81.15	113.65	-51.71	2,944.28	976.54	908.29	68.25	14.308	
6,300.00	5,608.05	10,915.00	6,369.41	57.79	81.15	113.65	-51.71	2,944.28	887.67	818.20	69.47	12.777	
6,400.00	5,694.18	10,915.00	6,369.41	58.88	81.15	113.65	-51.71	2,944.28	801.43	730.57	70.87	11.309	
6,479.32	5,762.49	10,915.00	6,369.41	59.74	81.15	113.65	-51.71	2,944.28	735.51	663.41	72.10	10.201	
6,500.00	5,780.28	10,915.00	6,369.41	59.97	81.15	116.29	-51.71	2,944.28	718.98	646.53	72.45	9.923	
6,550.00	5,822.98	10,915.00	6,369.41	60.51	81.15	122.73	-51.71	2,944.28	681.94	608.49	73.45	9.284	
6,600.00	5,865.00	10,915.00	6,369.41	61.05	81.15	128.88	-51.71	2,944.28	649.82	575.19	74.62	8.708	
6,650.00	5,906.01	10,915.00	6,369.41	61.57	81.15	134.48	-51.71	2,944.28	623.64	547.71	75.93	8.213	
6,700.00	5,945.70	10,915.00	6,369.41	62.08	81.15	139.44	-51.71	2,944.28	604.40	527.08	77.32	7.817	
6,750.00	5,983.77	10,915.00	6,369.41	62.56	81.15	143.76	-51.71	2,944.28	592.91	514.17	78.75	7.529	
6,793.82	6,015.57	10,915.00	6,369.41	62.96	81.15	147.09	-51.71	2,944.28	589.66	509.67	79.99	7.371 CC	
6,800.00	6,019.92	10,915.00	6,369.41	63.02	81.15	147.53	-51.71	2,944.28	589.72	509.55	80.17	7.356 ES	
6,850.00	6,053.90	10,915.00	6,369.41	63.45	81.15	150.84	-51.71	2,944.28	594.99	513.42	81.57	7.294 SF	
6,900.00	6,085.42	10,915.00	6,369.41	63.86	81.15	153.81	-51.71	2,944.28	608.45	525.52	82.93	7.337	
6,950.00	6,114.26	10,915.00	6,369.41	64.23	81.15	156.54	-51.71	2,944.28	629.49	545.28	84.21	7.475	
7,000.00	6,140.20	10,915.00	6,369.41	64.58	81.15	159.16	-51.71	2,944.28	657.23	571.87	85.36	7.700	
7,050.00	6,163.03	10,915.00	6,369.41	64.89	81.15	161.80	-51.71	2,944.28	690.66	604.33	86.33	8.001	
7,100.00	6,182.59	10,915.00	6,369.41	65.17	81.15	164.65	-51.71	2,944.28	728.76	641.67	87.10	8.367	
7,150.00	6,198.73	10,915.00	6,369.41	65.42	81.15	168.01	-51.71	2,944.28	770.58	682.92	87.67	8.790	
7,200.00	6,211.32	10,915.00	6,369.41	65.65	81.15	172.39	-51.71	2,944.28	815.26	727.20	88.05	9.259	
7,250.00	6,220.26	10,915.00	6,369.41	65.84	81.15	178.81	-51.71	2,944.28	862.02	773.74	88.29	9.764	
7,300.00	6,225.50	10,915.00	6,369.41	66.01	81.15	-170.49	-51.71	2,944.28	910.24	821.85	88.39	10.298	
7,344.70	6,227.00	10,915.00	6,369.41	66.14	81.15	-153.22	-51.71	2,944.28	954.11	865.71	88.40	10.794	
7,400.00	6,227.00	10,915.00	6,369.41	66.29	81.15	-153.22	-51.71	2,944.28	1,008.71	920.35	88.36	11.416	
7,500.00	6,227.00	10,915.00	6,369.41	66.58	81.15	-153.22	-51.71	2,944.28	1,107.63	1,019.32	88.31	12.543	
7,600.00	6,227.00	10,915.00	6,369.41	66.90	81.15	-153.22	-51.71	2,944.28	1,206.73	1,118.46	88.26	13.672	
7,700.00	6,227.00	10,915.00	6,369.41	67.24	81.15	-153.22	-51.71	2,944.28	1,305.96	1,217.73	88.23	14.802	
7,800.00	6,227.00	10,915.00	6,369.41	67.61	81.15	-153.22	-51.71	2,944.28	1,405.30	1,317.10	88.20	15.933	
7,900.00	6,227.00	10,915.00	6,369.41	68.00	81.15	-153.22	-51.71	2,944.28	1,504.73	1,416.56	88.18	17.065	
8,000.00	6,227.00	10,915.00	6,369.41	68.43	81.15	-153.22	-51.71	2,944.28	1,604.23	1,516.08	88.16	18.197	
8,100.00	6,227.00	10,915.00	6,369.41	68.88	81.15	-153.22	-51.71	2,944.28	1,703.79	1,615.65	88.14	19.330	
8,200.00	6,227.00	10,915.00	6,369.41	69.36	81.15	-153.22	-51.71	2,944.28	1,803.40	1,715.27	88.13	20.463	
8,300.00	6,227.00	10,915.00	6,369.41	69.88	81.15	-153.22	-51.71	2,944.28	1,903.05	1,814.93	88.12	21.596	
8,400.00	6,227.00	10,915.00	6,369.41	70.43	81.15	-153.22	-51.71	2,944.28	2,002.74	1,914.62	88.11	22.729	
8,500.00	6,227.00	10,915.00	6,369.41	71.00	81.15	-153.22	-51.71	2,944.28	2,102.45	2,014.34	88.11	23.862	
8,600.00	6,227.00	10,915.00	6,369.41	71.62	81.15	-153.22	-51.71	2,944.28	2,202.19	2,114.08	88.11	24.995	
8,700.00	6,227.00	10,915.00	6,369.41	72.26	81.15	-153.22	-51.71	2,944.28	2,301.95	2,213.85	88.10	26.128	
8,800.00	6,227.00	10,915.00	6,369.41	72.94	81.15	-153.22	-51.71	2,944.28	2,401.73	2,313.63	88.10	27.261	
8,900.00	6,227.00	10,915.00	6,369.41	73.66	81.15	-153.22	-51.71	2,944.28	2,501.53	2,413.43	88.10	28.393	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,000.00	6,227.00	10,915.00	6,369.41	74.41	81.15	-153.22	-51.71	2,944.28	2,601.35	2,513.25	88.10	29.526	
9,100.00	6,227.00	10,915.00	6,369.41	75.19	81.15	-153.22	-51.71	2,944.28	2,701.18	2,613.07	88.11	30.658	
9,200.00	6,227.00	10,915.00	6,369.41	76.01	81.15	-153.22	-51.71	2,944.28	2,801.02	2,712.91	88.11	31.790	
9,300.00	6,227.00	10,915.00	6,369.41	76.86	81.15	-153.22	-51.71	2,944.28	2,900.87	2,812.76	88.11	32.922	
9,400.00	6,227.00	10,915.00	6,369.41	77.75	81.15	-153.22	-51.71	2,944.28	3,000.73	2,912.62	88.12	34.054	
9,500.00	6,227.00	10,915.00	6,369.41	78.67	81.15	-153.22	-51.71	2,944.28	3,100.60	3,012.48	88.12	35.185	
9,600.00	6,227.00	10,915.00	6,369.41	79.63	81.15	-153.22	-51.71	2,944.28	3,200.48	3,112.35	88.13	36.316	
9,700.00	6,227.00	10,915.00	6,369.41	80.62	81.15	-153.22	-51.71	2,944.28	3,300.37	3,212.23	88.14	37.446	
9,800.00	6,227.00	10,915.00	6,369.41	81.64	81.15	-153.22	-51.71	2,944.28	3,400.26	3,312.12	88.14	38.576	
9,900.00	6,227.00	10,915.00	6,369.41	82.69	81.15	-153.22	-51.71	2,944.28	3,500.16	3,412.01	88.15	39.706	
10,000.00	6,227.00	10,915.00	6,369.41	83.77	81.15	-153.22	-51.71	2,944.28	3,600.07	3,511.90	88.16	40.835	
10,100.00	6,227.00	10,915.00	6,369.41	84.88	81.15	-153.22	-51.71	2,944.28	3,699.98	3,611.81	88.17	41.964	
10,200.00	6,227.00	10,915.00	6,369.41	86.02	81.15	-153.22	-51.71	2,944.28	3,799.89	3,711.71	88.18	43.093	
10,300.00	6,227.00	10,915.00	6,369.41	87.19	81.15	-153.22	-51.71	2,944.28	3,899.81	3,811.62	88.19	44.221	
10,400.00	6,227.00	10,915.00	6,369.41	88.38	81.15	-153.22	-51.71	2,944.28	3,999.73	3,911.53	88.20	45.348	
10,500.00	6,227.00	10,915.00	6,369.41	89.60	81.15	-153.22	-51.71	2,944.28	4,099.66	4,011.45	88.21	46.475	
10,600.00	6,227.00	10,915.00	6,369.41	90.84	81.15	-153.22	-51.71	2,944.28	4,199.59	4,111.37	88.22	47.602	
10,700.00	6,227.00	10,915.00	6,369.41	92.11	81.15	-153.22	-51.71	2,944.28	4,299.52	4,211.29	88.24	48.728	
10,800.00	6,227.00	10,915.00	6,369.41	93.39	81.15	-153.22	-51.71	2,944.28	4,399.46	4,311.21	88.25	49.853	
10,900.00	6,227.00	10,915.00	6,369.41	94.70	81.15	-153.22	-51.71	2,944.28	4,499.40	4,411.14	88.26	50.978	
11,000.00	6,227.00	10,915.00	6,369.41	96.03	81.15	-153.22	-51.71	2,944.28	4,599.34	4,511.06	88.27	52.103	
11,100.00	6,227.00	10,915.00	6,369.41	97.37	81.15	-153.22	-51.71	2,944.28	4,699.28	4,611.00	88.29	53.227	
11,200.00	6,227.00	10,915.00	6,369.41	98.74	81.15	-153.22	-51.71	2,944.28	4,799.23	4,710.93	88.30	54.350	
11,300.00	6,227.00	10,915.00	6,369.41	100.12	81.15	-153.22	-51.71	2,944.28	4,899.18	4,810.86	88.32	55.472	
11,400.00	6,227.00	10,915.00	6,369.41	101.51	81.15	-153.22	-51.71	2,944.28	4,999.13	4,910.80	88.33	56.594	
11,500.00	6,227.00	10,915.00	6,369.41	102.92	81.15	-153.22	-51.71	2,944.28	5,099.08	5,010.74	88.35	57.716	
11,600.00	6,227.00	10,915.00	6,369.41	104.35	81.15	-153.22	-51.71	2,944.28	5,199.04	5,110.67	88.36	58.837	
11,700.00	6,227.00	10,915.00	6,369.41	105.79	81.15	-153.22	-51.71	2,944.28	5,298.99	5,210.61	88.38	59.957	
11,800.00	6,227.00	10,915.00	6,369.41	107.24	81.15	-153.22	-51.71	2,944.28	5,398.95	5,310.56	88.40	61.076	
11,900.00	6,227.00	10,915.00	6,369.41	108.71	81.15	-153.22	-51.71	2,944.28	5,498.91	5,410.50	88.41	62.195	
12,000.00	6,227.00	10,915.00	6,369.41	110.19	81.15	-153.22	-51.71	2,944.28	5,598.87	5,510.44	88.43	63.313	
12,100.00	6,227.00	10,915.00	6,369.41	111.68	81.15	-153.22	-51.71	2,944.28	5,698.83	5,610.39	88.45	64.430	
12,200.00	6,227.00	10,915.00	6,369.41	113.18	81.15	-153.22	-51.71	2,944.28	5,798.80	5,710.33	88.47	65.547	
12,300.00	6,227.00	10,915.00	6,369.41	114.68	81.15	-153.22	-51.71	2,944.28	5,898.76	5,810.28	88.49	66.663	
12,400.00	6,227.00	10,915.00	6,369.41	116.20	81.15	-153.22	-51.71	2,944.28	5,998.73	5,910.22	88.51	67.778	
12,500.00	6,227.00	10,915.00	6,369.41	117.73	81.15	-153.22	-51.71	2,944.28	6,098.70	6,010.17	88.52	68.893	
12,600.00	6,227.00	10,915.00	6,369.41	119.27	81.15	-153.22	-51.71	2,944.28	6,198.66	6,110.12	88.54	70.006	
12,700.00	6,227.00	10,915.00	6,369.41	120.81	81.15	-153.22	-51.71	2,944.28	6,298.63	6,210.07	88.56	71.119	
12,800.00	6,227.00	10,915.00	6,369.41	122.37	81.15	-153.22	-51.71	2,944.28	6,398.60	6,310.02	88.58	72.231	
12,900.00	6,227.00	10,915.00	6,369.41	123.93	81.15	-153.22	-51.71	2,944.28	6,498.58	6,409.97	88.61	73.343	
13,000.00	6,227.00	10,915.00	6,369.41	125.49	81.15	-153.22	-51.71	2,944.28	6,598.55	6,509.92	88.63	74.453	
13,100.00	6,227.00	10,915.00	6,369.41	127.07	81.15	-153.22	-51.71	2,944.28	6,698.52	6,609.87	88.65	75.563	
13,200.00	6,227.00	10,915.00	6,369.41	128.65	81.15	-153.22	-51.71	2,944.28	6,798.49	6,709.82	88.67	76.672	
13,300.00	6,227.00	10,915.00	6,369.41	130.24	81.15	-153.22	-51.71	2,944.28	6,898.47	6,809.78	88.69	77.780	
13,400.00	6,227.00	10,915.00	6,369.41	131.83	81.15	-153.22	-51.71	2,944.28	6,998.44	6,909.73	88.72	78.887	
13,500.00	6,227.00	10,915.00	6,369.41	133.43	81.15	-153.22	-51.71	2,944.28	7,098.42	7,009.68	88.74	79.993	
13,600.00	6,227.00	10,915.00	6,369.41	135.03	81.15	-153.22	-51.71	2,944.28	7,198.40	7,109.63	88.76	81.098	
13,700.00	6,227.00	10,915.00	6,369.41	136.64	81.15	-153.22	-51.71	2,944.28	7,298.37	7,209.59	88.78	82.203	
13,800.00	6,227.00	10,915.00	6,369.41	138.25	81.15	-153.22	-51.71	2,944.28	7,398.35	7,309.54	88.81	83.306	
13,900.00	6,227.00	10,915.00	6,369.41	139.87	81.15	-153.22	-51.71	2,944.28	7,498.33	7,409.50	88.83	84.409	
14,000.00	6,227.00	10,915.00	6,369.41	141.50	81.15	-153.22	-51.71	2,944.28	7,598.31	7,509.45	88.86	85.511	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning					
14,100.00	6,227.00	10,915.00	6,369.41	143.12	81.15	-153.22	-51.71	2,944.28	7,698.29	7,609.40	88.88	86.612						
14,200.00	6,227.00	10,915.00	6,369.41	144.76	81.15	-153.22	-51.71	2,944.28	7,798.27	7,709.36	88.91	87.712						
14,300.00	6,227.00	10,915.00	6,369.41	146.39	81.15	-153.22	-51.71	2,944.28	7,898.25	7,809.31	88.93	88.810						
14,400.00	6,227.00	10,915.00	6,369.41	148.03	81.15	-153.22	-51.71	2,944.28	7,998.23	7,909.27	88.96	89.908						
14,500.00	6,227.00	10,915.00	6,369.41	149.67	81.15	-153.22	-51.71	2,944.28	8,098.21	8,009.22	88.99	91.005						
14,600.00	6,227.00	10,915.00	6,369.41	151.32	81.15	-153.22	-51.71	2,944.28	8,198.19	8,109.18	89.01	92.101						
14,700.00	6,227.00	10,915.00	6,369.41	152.97	81.15	-153.22	-51.71	2,944.28	8,298.17	8,209.13	89.04	93.196						
14,800.00	6,227.00	10,915.00	6,369.41	154.62	81.15	-153.22	-51.71	2,944.28	8,398.16	8,309.09	89.07	94.290						
14,900.00	6,227.00	10,915.00	6,369.41	156.28	81.15	-153.22	-51.71	2,944.28	8,498.14	8,409.05	89.09	95.383						
15,000.00	6,227.00	10,915.00	6,369.41	157.94	81.15	-153.22	-51.71	2,944.28	8,598.12	8,509.00	89.12	96.475						
15,100.00	6,227.00	10,915.00	6,369.41	159.60	81.15	-153.22	-51.71	2,944.28	8,698.11	8,608.96	89.15	97.566						
15,200.00	6,227.00	10,915.00	6,369.41	161.27	81.15	-153.22	-51.71	2,944.28	8,798.09	8,708.91	89.18	98.656						
15,300.00	6,227.00	10,915.00	6,369.41	162.94	81.15	-153.22	-51.71	2,944.28	8,898.08	8,808.87	89.21	99.744						
15,400.00	6,227.00	10,915.00	6,369.41	164.61	81.15	-153.22	-51.71	2,944.28	8,998.06	8,908.82	89.24	100.832						
15,500.00	6,227.00	10,915.00	6,369.41	166.28	81.15	-153.22	-51.71	2,944.28	9,098.05	9,008.78	89.27	101.919						
15,600.00	6,227.00	10,915.00	6,369.41	167.95	81.15	-153.22	-51.71	2,944.28	9,198.03	9,108.73	89.30	103.004						
15,700.00	6,227.00	10,915.00	6,369.41	169.63	81.15	-153.22	-51.71	2,944.28	9,298.02	9,208.69	89.33	104.088						
15,800.00	6,227.00	10,915.00	6,369.41	171.31	81.15	-153.22	-51.71	2,944.28	9,398.00	9,308.65	89.36	105.172						
15,900.00	6,227.00	10,915.00	6,369.41	172.99	81.15	-153.22	-51.71	2,944.28	9,497.99	9,408.60	89.39	106.254						
16,000.00	6,227.00	10,915.00	6,369.41	174.68	81.15	-153.22	-51.71	2,944.28	9,597.98	9,508.56	89.42	107.335						
16,100.00	6,227.00	10,915.00	6,369.41	176.36	81.15	-153.22	-51.71	2,944.28	9,697.97	9,608.51	89.45	108.415						
16,200.00	6,227.00	10,915.00	6,369.41	178.05	81.15	-153.22	-51.71	2,944.28	9,797.95	9,708.47	89.48	109.493						
16,300.00	6,227.00	10,915.00	6,369.41	179.74	81.15	-153.22	-51.71	2,944.28	9,897.94	9,808.42	89.52	110.571						
16,400.00	6,227.00	10,915.00	6,369.41	181.43	81.15	-153.22	-51.71	2,944.28	9,997.93	9,908.38	89.55	111.647						



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	141.96	-4,355.07	3,407.71	5,529.84				
100.00	100.00	114.47	114.47	0.27	0.20	141.96	-4,355.13	3,407.48	5,529.75	5,529.28	0.47	N/A	
200.00	200.00	223.49	223.49	0.63	0.39	141.97	-4,355.29	3,406.82	5,529.50	5,528.48	1.02	5,445.580	
300.00	300.00	332.50	332.49	0.99	0.58	141.98	-4,355.56	3,405.74	5,529.08	5,527.52	1.56	3,537.150	
400.00	399.98	441.45	441.43	1.34	0.77	58.66	-4,355.94	3,404.24	5,527.59	5,525.49	2.10	2,626.409	
500.00	499.84	559.57	559.53	1.69	1.13	58.79	-4,356.43	3,401.92	5,523.99	5,521.16	2.82	1,958.009	
600.00	599.45	652.62	652.56	2.06	1.47	58.98	-4,356.82	3,400.00	5,518.53	5,515.01	3.52	1,567.880	
700.00	698.70	749.77	749.69	2.44	1.82	59.23	-4,357.35	3,398.00	5,511.41	5,507.16	4.25	1,297.929	
800.00	797.47	854.61	854.49	2.85	2.19	59.55	-4,357.98	3,395.67	5,502.48	5,497.46	5.02	1,096.420	
900.00	895.62	927.79	927.65	3.29	2.46	59.88	-4,358.57	3,393.93	5,491.94	5,486.24	5.70	963.654	
1,000.00	993.06	967.00	966.85	3.76	2.60	60.17	-4,359.14	3,392.98	5,480.39	5,474.10	6.28	872.014	
1,100.00	1,089.64	1,016.83	1,016.63	4.27	2.78	60.52	-4,360.72	3,391.43	5,468.09	5,461.14	6.94	787.416	
1,200.00	1,185.27	1,057.00	1,056.69	4.83	2.93	60.88	-4,363.06	3,389.68	5,455.33	5,447.72	7.61	717.117	
1,300.00	1,279.82	1,057.00	1,056.69	5.45	2.93	61.11	-4,363.06	3,389.68	5,442.29	5,434.12	8.17	666.387	
1,400.00	1,373.17	1,098.07	1,097.57	6.12	3.08	61.52	-4,366.44	3,387.78	5,428.75	5,419.82	8.93	608.005	
1,500.00	1,465.21	1,151.00	1,150.13	6.85	3.28	62.01	-4,372.33	3,385.68	5,415.51	5,405.72	9.79	553.207	
1,600.00	1,555.84	1,151.00	1,150.13	7.65	3.28	62.26	-4,372.33	3,385.68	5,401.39	5,390.89	10.51	514.058	
1,700.00	1,644.94	1,151.00	1,150.13	8.51	3.28	62.51	-4,372.33	3,385.68	5,387.49	5,376.20	11.29	477.357	
1,800.00	1,732.39	1,193.49	1,192.19	9.45	3.44	63.01	-4,378.15	3,384.12	5,373.29	5,360.99	12.30	436.972	
1,827.18	1,755.86	1,200.88	1,199.49	9.72	3.47	63.12	-4,379.25	3,383.85	5,369.42	5,356.85	12.57	427.288	
1,900.00	1,818.58	1,242.00	1,240.05	10.44	3.63	63.37	-4,385.83	3,382.31	5,359.54	5,346.15	13.39	400.382	
2,000.00	1,904.71	1,242.00	1,240.05	11.46	3.63	63.37	-4,385.83	3,382.31	5,346.89	5,332.59	14.30	373.785	
2,100.00	1,990.83	10,715.88	6,354.27	12.49	79.90	57.83	-192.38	3,596.73	5,333.82	5,274.95	58.87	90.609	
2,200.00	2,076.96	10,741.63	6,354.50	13.53	80.34	56.44	-166.69	3,598.45	5,234.70	5,175.34	59.37	88.178	
2,300.00	2,163.08	10,753.24	6,354.59	14.57	80.53	55.80	-155.11	3,599.21	5,135.60	5,075.89	59.71	86.013	
2,400.00	2,249.21	10,764.77	6,354.68	15.62	80.72	55.14	-143.60	3,599.98	5,036.51	4,976.45	60.06	83.862	
2,500.00	2,335.33	10,776.95	6,354.76	16.68	80.93	54.42	-131.45	3,600.78	4,937.43	4,877.01	60.42	81.716	
2,600.00	2,421.45	10,790.27	6,354.87	17.74	81.15	53.62	-118.15	3,601.63	4,838.36	4,777.56	60.81	79.568	
2,700.00	2,507.58	10,803.48	6,354.99	18.81	81.38	52.81	-104.97	3,602.43	4,739.31	4,678.11	61.20	77.440	
2,800.00	2,593.70	10,816.85	6,355.13	19.87	81.60	51.96	-91.63	3,603.21	4,640.27	4,578.67	61.60	75.328	
2,900.00	2,679.83	10,830.80	6,355.28	20.94	81.84	51.06	-77.69	3,603.98	4,541.24	4,479.22	62.02	73.226	
3,000.00	2,765.95	10,844.58	6,355.45	22.01	82.07	50.14	-63.94	3,604.69	4,442.22	4,379.79	62.44	71.146	
3,100.00	2,852.08	10,858.18	6,355.63	23.09	82.30	49.21	-50.36	3,605.36	4,343.23	4,280.36	62.86	69.088	
3,200.00	2,938.20	10,871.59	6,355.82	24.16	82.53	48.26	-36.96	3,605.99	4,244.24	4,180.94	63.30	67.051	
3,300.00	3,024.32	10,882.00	6,355.68	25.24	82.37	48.94	-46.54	3,605.55	4,145.32	4,081.81	63.51	65.270	
3,400.00	3,110.45	10,882.00	6,355.68	26.32	82.37	48.94	-46.54	3,605.55	4,046.45	3,982.61	63.83	63.390	
3,500.00	3,196.57	10,882.00	6,355.68	27.40	82.37	48.94	-46.54	3,605.55	3,947.63	3,883.46	64.17	61.516	
3,600.00	3,282.70	10,882.00	6,355.68	28.48	82.37	48.94	-46.54	3,605.55	3,848.87	3,784.35	64.53	59.647	
3,700.00	3,368.82	10,882.00	6,355.68	29.56	82.37	48.94	-46.54	3,605.55	3,750.18	3,685.28	64.90	57.784	
3,800.00	3,454.95	10,882.00	6,355.68	30.64	82.37	48.94	-46.54	3,605.55	3,651.56	3,586.27	65.29	55.927	
3,900.00	3,541.07	10,882.00	6,355.68	31.72	82.37	48.94	-46.54	3,605.55	3,553.02	3,487.32	65.70	54.078	
4,000.00	3,627.19	10,882.00	6,355.68	32.80	82.37	48.94	-46.54	3,605.55	3,454.56	3,388.43	66.13	52.236	
4,100.00	3,713.32	10,882.00	6,355.68	33.89	82.37	48.94	-46.54	3,605.55	3,356.20	3,289.61	66.59	50.402	
4,200.00	3,799.44	10,882.00	6,355.68	34.97	82.37	48.94	-46.54	3,605.55	3,257.93	3,190.86	67.07	48.576	
4,300.00	3,885.57	10,882.00	6,355.68	36.05	82.37	48.94	-46.54	3,605.55	3,159.77	3,092.19	67.58	46.759	
4,400.00	3,971.69	10,882.00	6,355.68	37.14	82.37	48.94	-46.54	3,605.55	3,061.73	2,993.62	68.11	44.951	
4,500.00	4,057.82	10,882.00	6,355.68	38.22	82.37	48.94	-46.54	3,605.55	2,963.82	2,895.14	68.68	43.153	
4,600.00	4,143.94	10,882.00	6,355.68	39.31	82.37	48.94	-46.54	3,605.55	2,866.06	2,796.77	69.29	41.365	
4,700.00	4,230.06	10,882.00	6,355.68	40.39	82.37	48.94	-46.54	3,605.55	2,768.45	2,698.52	69.93	39.589	
4,800.00	4,316.19	10,882.00	6,355.68	41.48	82.37	48.94	-46.54	3,605.55	2,671.02	2,600.41	70.62	37.825	
4,900.00	4,402.31	10,882.00	6,355.68	42.57	82.37	48.94	-46.54	3,605.55	2,573.79	2,502.44	71.35	36.073	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
5,000.00	4,488.44	10,862.00	6,355.68	43.65	82.37	48.94	-46.54	3,605.55	2,476.78	2,404.65	72.13	34.336	
5,100.00	4,574.56	10,862.00	6,355.68	44.74	82.37	48.94	-46.54	3,605.55	2,380.02	2,307.04	72.98	32.613	
5,200.00	4,660.69	10,862.00	6,355.68	45.83	82.37	48.94	-46.54	3,605.55	2,283.54	2,209.65	73.89	30.906	
5,300.00	4,746.81	10,862.00	6,355.68	46.91	82.37	48.94	-46.54	3,605.55	2,187.37	2,112.50	74.87	29.216	
5,400.00	4,832.93	10,862.00	6,355.68	48.00	82.37	48.94	-46.54	3,605.55	2,091.56	2,015.63	75.93	27.545	
5,500.00	4,919.06	10,862.00	6,355.68	49.09	82.37	48.94	-46.54	3,605.55	1,996.16	1,919.08	77.09	25.895	
5,600.00	5,005.18	10,862.00	6,355.68	50.17	82.37	48.94	-46.54	3,605.55	1,901.24	1,822.90	78.34	24.268	
5,700.00	5,091.31	10,862.00	6,355.68	51.26	82.37	48.94	-46.54	3,605.55	1,806.86	1,727.14	79.72	22.665	
5,800.00	5,177.43	10,862.00	6,355.68	52.35	82.37	48.94	-46.54	3,605.55	1,713.13	1,631.90	81.23	21.091	
5,900.00	5,263.56	10,862.00	6,355.68	53.44	82.37	48.94	-46.54	3,605.55	1,620.14	1,537.25	82.89	19.547	
6,000.00	5,349.68	10,862.00	6,355.68	54.53	82.37	48.94	-46.54	3,605.55	1,528.03	1,443.32	84.71	18.037	
6,100.00	5,435.80	10,862.00	6,355.68	55.61	82.37	48.94	-46.54	3,605.55	1,436.99	1,350.25	86.74	16.567	
6,200.00	5,521.93	10,862.00	6,355.68	56.70	82.37	48.94	-46.54	3,605.55	1,347.21	1,258.23	88.98	15.141	
6,300.00	5,608.05	10,862.00	6,355.68	57.79	82.37	48.94	-46.54	3,605.55	1,258.98	1,167.51	91.46	13.765	
6,400.00	5,694.18	10,862.00	6,355.68	58.88	82.37	48.94	-46.54	3,605.55	1,172.63	1,078.42	94.22	12.446	
6,479.32	5,762.49	10,862.00	6,355.68	59.74	82.37	48.94	-46.54	3,605.55	1,105.78	1,009.18	96.60	11.447	
6,500.00	5,780.28	10,862.00	6,355.68	59.97	82.37	54.54	-46.54	3,605.55	1,088.77	991.51	97.26	11.194	
6,550.00	5,822.98	10,862.00	6,355.68	60.51	82.37	66.82	-46.54	3,605.55	1,049.57	950.57	99.00	10.602	
6,600.00	5,865.00	10,862.00	6,355.68	61.05	82.37	77.31	-46.54	3,605.55	1,013.58	912.67	100.90	10.045	
6,650.00	5,906.01	10,862.00	6,355.68	61.57	82.37	86.13	-46.54	3,605.55	981.43	878.51	102.92	9.536	
6,700.00	5,945.70	10,862.00	6,355.68	62.08	82.37	93.42	-46.54	3,605.55	953.78	848.78	105.00	9.084	
6,750.00	5,983.77	10,862.00	6,355.68	62.56	82.37	99.36	-46.54	3,605.55	931.24	824.19	107.05	8.699	
6,800.00	6,019.92	10,862.00	6,355.68	63.02	82.37	104.12	-46.54	3,605.55	914.38	805.39	108.99	8.390	
6,850.00	6,053.90	10,862.00	6,355.68	63.45	82.37	107.88	-46.54	3,605.55	903.63	792.91	110.72	8.161	
6,900.00	6,085.42	10,862.00	6,355.68	63.86	82.37	110.75	-46.54	3,605.55	899.30	787.13	112.16	8.018	
6,908.10	6,090.28	10,862.00	6,355.68	63.92	82.37	111.13	-46.54	3,605.55	899.21	786.85	112.37	8.003 CC, ES	
6,950.00	6,114.26	10,862.00	6,355.68	64.23	82.37	112.82	-46.54	3,605.55	901.51	788.25	113.26	7.959 SF	
7,000.00	6,140.20	10,862.00	6,355.68	64.58	82.37	114.18	-46.54	3,605.55	910.21	796.21	114.00	7.984	
7,050.00	6,163.03	10,862.00	6,355.68	64.89	82.37	114.83	-46.54	3,605.55	925.14	810.77	114.37	8.089	
7,100.00	6,182.59	10,862.00	6,355.68	65.17	82.37	114.80	-46.54	3,605.55	945.90	831.48	114.43	8.267	
7,150.00	6,198.73	10,862.00	6,355.68	65.42	82.37	114.03	-46.54	3,605.55	971.96	857.75	114.21	8.510	
7,200.00	6,211.32	10,862.00	6,355.68	65.65	82.37	112.45	-46.54	3,605.55	1,002.73	888.92	113.81	8.811	
7,250.00	6,220.26	10,862.00	6,355.68	65.84	82.37	109.94	-46.54	3,605.55	1,037.55	924.28	113.26	9.161	
7,300.00	6,225.50	10,862.00	6,355.68	66.01	82.37	106.28	-46.54	3,605.55	1,075.78	963.14	112.64	9.550	
7,344.70	6,227.00	10,862.00	6,355.68	66.14	82.37	101.81	-46.54	3,605.55	1,112.35	1,000.28	112.06	9.926	
7,400.00	6,227.00	10,862.00	6,355.68	66.29	82.37	101.81	-46.54	3,605.55	1,159.16	1,047.82	111.34	10.411	
7,500.00	6,227.00	10,862.00	6,355.68	66.58	82.37	101.81	-46.54	3,605.55	1,245.60	1,135.51	110.09	11.314	
7,600.00	6,227.00	10,862.00	6,355.68	66.90	82.37	101.81	-46.54	3,605.55	1,333.93	1,225.01	108.91	12.248	
7,700.00	6,227.00	10,862.00	6,355.68	67.24	82.37	101.81	-46.54	3,605.55	1,423.80	1,315.98	107.82	13.205	
7,800.00	6,227.00	10,862.00	6,355.68	67.61	82.37	101.81	-46.54	3,605.55	1,514.95	1,408.12	106.82	14.182	
7,900.00	6,227.00	10,862.00	6,355.68	68.00	82.37	101.81	-46.54	3,605.55	1,607.14	1,501.23	105.91	15.175	
8,000.00	6,227.00	10,862.00	6,355.68	68.43	82.37	101.81	-46.54	3,605.55	1,700.22	1,595.15	105.08	16.181	
8,100.00	6,227.00	10,862.00	6,355.68	68.88	82.37	101.81	-46.54	3,605.55	1,794.05	1,689.73	104.32	17.198	
8,200.00	6,227.00	10,862.00	6,355.68	69.36	82.37	101.81	-46.54	3,605.55	1,888.51	1,784.88	103.63	18.223	
8,300.00	6,227.00	10,862.00	6,355.68	69.88	82.37	101.81	-46.54	3,605.55	1,983.51	1,880.51	103.00	19.257	
8,400.00	6,227.00	10,862.00	6,355.68	70.43	82.37	101.81	-46.54	3,605.55	2,078.98	1,976.55	102.43	20.296	
8,500.00	6,227.00	10,862.00	6,355.68	71.00	82.37	101.81	-46.54	3,605.55	2,174.86	2,072.95	101.91	21.340	
8,600.00	6,227.00	10,862.00	6,355.68	71.62	82.37	101.81	-46.54	3,605.55	2,271.09	2,169.65	101.44	22.389	
8,700.00	6,227.00	10,862.00	6,355.68	72.26	82.37	101.81	-46.54	3,605.55	2,367.64	2,266.63	101.00	23.441	
8,800.00	6,227.00	10,862.00	6,355.68	72.94	82.37	101.81	-46.54	3,605.55	2,464.46	2,363.85	100.61	24.496	
8,900.00	6,227.00	10,862.00	6,355.68	73.66	82.37	101.81	-46.54	3,605.55	2,561.53	2,461.28	100.24	25.553	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
9,000.00	6,227.00	10,862.00	6,355.68	74.41	82.37	101.81	-46.54	3,605.55	2,658.81	2,558.90	99.91	26.612	
9,100.00	6,227.00	10,862.00	6,355.68	75.19	82.37	101.81	-46.54	3,605.55	2,756.29	2,656.68	99.60	27.673	
9,200.00	6,227.00	10,862.00	6,355.68	76.01	82.37	101.81	-46.54	3,605.55	2,853.94	2,754.62	99.32	28.735	
9,300.00	6,227.00	10,862.00	6,355.68	76.86	82.37	101.81	-46.54	3,605.55	2,951.75	2,852.69	99.06	29.799	
9,400.00	6,227.00	10,862.00	6,355.68	77.75	82.37	101.81	-46.54	3,605.55	3,049.70	2,950.88	98.82	30.863	
9,500.00	6,227.00	10,862.00	6,355.68	78.67	82.37	101.81	-46.54	3,605.55	3,147.78	3,049.19	98.59	31.927	
9,600.00	6,227.00	10,862.00	6,355.68	79.63	82.37	101.81	-46.54	3,605.55	3,245.98	3,147.59	98.39	32.992	
9,700.00	6,227.00	10,862.00	6,355.68	80.62	82.37	101.81	-46.54	3,605.55	3,344.28	3,246.09	98.19	34.058	
9,800.00	6,227.00	10,862.00	6,355.68	81.64	82.37	101.81	-46.54	3,605.55	3,442.68	3,344.67	98.02	35.124	
9,900.00	6,227.00	10,862.00	6,355.68	82.69	82.37	101.81	-46.54	3,605.55	3,541.17	3,443.32	97.85	36.189	
10,000.00	6,227.00	10,862.00	6,355.68	83.77	82.37	101.81	-46.54	3,605.55	3,639.75	3,542.05	97.70	37.255	
10,100.00	6,227.00	10,862.00	6,355.68	84.88	82.37	101.81	-46.54	3,605.55	3,738.40	3,640.84	97.55	38.321	
10,200.00	6,227.00	10,862.00	6,355.68	86.02	82.37	101.81	-46.54	3,605.55	3,837.12	3,739.70	97.42	39.387	
10,300.00	6,227.00	10,862.00	6,355.68	87.19	82.37	101.81	-46.54	3,605.55	3,935.90	3,838.60	97.30	40.452	
10,400.00	6,227.00	10,862.00	6,355.68	88.38	82.37	101.81	-46.54	3,605.55	4,034.74	3,937.56	97.18	41.518	
10,500.00	6,227.00	10,862.00	6,355.68	89.60	82.37	101.81	-46.54	3,605.55	4,133.64	4,036.57	97.07	42.583	
10,600.00	6,227.00	10,862.00	6,355.68	90.84	82.37	101.81	-46.54	3,605.55	4,232.60	4,135.62	96.97	43.648	
10,700.00	6,227.00	10,862.00	6,355.68	92.11	82.37	101.81	-46.54	3,605.55	4,331.60	4,234.72	96.88	44.712	
10,800.00	6,227.00	10,862.00	6,355.68	93.39	82.37	101.81	-46.54	3,605.55	4,430.64	4,333.85	96.79	45.776	
10,900.00	6,227.00	10,862.00	6,355.68	94.70	82.37	101.81	-46.54	3,605.55	4,529.73	4,433.02	96.71	46.840	
11,000.00	6,227.00	10,862.00	6,355.68	96.03	82.37	101.81	-46.54	3,605.55	4,628.85	4,532.22	96.63	47.903	
11,100.00	6,227.00	10,862.00	6,355.68	97.37	82.37	101.81	-46.54	3,605.55	4,728.01	4,631.46	96.56	48.966	
11,200.00	6,227.00	10,862.00	6,355.68	98.74	82.37	101.81	-46.54	3,605.55	4,827.21	4,730.72	96.49	50.028	
11,300.00	6,227.00	10,862.00	6,355.68	100.12	82.37	101.81	-46.54	3,605.55	4,926.44	4,830.01	96.43	51.090	
11,400.00	6,227.00	10,862.00	6,355.68	101.51	82.37	101.81	-46.54	3,605.55	5,025.70	4,929.33	96.37	52.151	
11,500.00	6,227.00	10,862.00	6,355.68	102.92	82.37	101.81	-46.54	3,605.55	5,124.99	5,028.68	96.31	53.212	
11,600.00	6,227.00	10,862.00	6,355.68	104.35	82.37	101.81	-46.54	3,605.55	5,224.31	5,128.04	96.26	54.272	
11,700.00	6,227.00	10,862.00	6,355.68	105.79	82.37	101.81	-46.54	3,605.55	5,323.65	5,227.43	96.21	55.332	
11,800.00	6,227.00	10,862.00	6,355.68	107.24	82.37	101.81	-46.54	3,605.55	5,423.01	5,326.84	96.17	56.391	
11,900.00	6,227.00	10,862.00	6,355.68	108.71	82.37	101.81	-46.54	3,605.55	5,522.40	5,426.28	96.13	57.449	
12,000.00	6,227.00	10,862.00	6,355.68	110.19	82.37	101.81	-46.54	3,605.55	5,621.81	5,525.72	96.09	58.507	
12,100.00	6,227.00	10,862.00	6,355.68	111.68	82.37	101.81	-46.54	3,605.55	5,721.24	5,625.19	96.05	59.565	
12,200.00	6,227.00	10,862.00	6,355.68	113.18	82.37	101.81	-46.54	3,605.55	5,820.69	5,724.68	96.02	60.621	
12,300.00	6,227.00	10,862.00	6,355.68	114.68	82.37	101.81	-46.54	3,605.55	5,920.16	5,824.18	95.99	61.677	
12,400.00	6,227.00	10,862.00	6,355.68	116.20	82.37	101.81	-46.54	3,605.55	6,019.65	5,923.69	95.96	62.733	
12,500.00	6,227.00	10,862.00	6,355.68	117.73	82.37	101.81	-46.54	3,605.55	6,119.15	6,023.22	95.93	63.787	
12,600.00	6,227.00	10,862.00	6,355.68	119.27	82.37	101.81	-46.54	3,605.55	6,218.67	6,122.77	95.91	64.842	
12,700.00	6,227.00	10,862.00	6,355.68	120.81	82.37	101.81	-46.54	3,605.55	6,318.21	6,222.32	95.88	65.895	
12,800.00	6,227.00	10,862.00	6,355.68	122.37	82.37	101.81	-46.54	3,605.55	6,417.75	6,321.89	95.86	66.948	
12,900.00	6,227.00	10,862.00	6,355.68	123.93	82.37	101.81	-46.54	3,605.55	6,517.32	6,421.47	95.84	68.000	
13,000.00	6,227.00	10,862.00	6,355.68	125.49	82.37	101.81	-46.54	3,605.55	6,616.89	6,521.07	95.83	69.051	
13,100.00	6,227.00	10,862.00	6,355.68	127.07	82.37	101.81	-46.54	3,605.55	6,716.48	6,620.67	95.81	70.102	
13,200.00	6,227.00	10,862.00	6,355.68	128.65	82.37	101.81	-46.54	3,605.55	6,816.08	6,720.29	95.80	71.151	
13,300.00	6,227.00	10,862.00	6,355.68	130.24	82.37	101.81	-46.54	3,605.55	6,915.69	6,819.91	95.78	72.201	
13,400.00	6,227.00	10,862.00	6,355.68	131.83	82.37	101.81	-46.54	3,605.55	7,015.32	6,919.54	95.77	73.249	
13,500.00	6,227.00	10,862.00	6,355.68	133.43	82.37	101.81	-46.54	3,605.55	7,114.95	7,019.19	95.76	74.297	
13,600.00	6,227.00	10,862.00	6,355.68	135.03	82.37	101.81	-46.54	3,605.55	7,214.59	7,118.84	95.76	75.343	
13,700.00	6,227.00	10,862.00	6,355.68	136.64	82.37	101.81	-46.54	3,605.55	7,314.25	7,218.50	95.75	76.390	
13,800.00	6,227.00	10,862.00	6,355.68	138.25	82.37	101.81	-46.54	3,605.55	7,413.91	7,318.17	95.74	77.435	
13,900.00	6,227.00	10,862.00	6,355.68	139.87	82.37	101.81	-46.54	3,605.55	7,513.58	7,417.84	95.74	78.480	
14,000.00	6,227.00	10,862.00	6,355.68	141.50	82.37	101.81	-46.54	3,605.55	7,613.26	7,517.53	95.74	79.523	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
14,100.00	6,227.00	10,862.00	6,355.68	143.12	82.37	101.81	-46.54	3,605.55	7,712.95	7,617.22	95.73	80.566		
14,200.00	6,227.00	10,862.00	6,355.68	144.76	82.37	101.81	-46.54	3,605.55	7,812.65	7,716.92	95.73	81.609		
14,300.00	6,227.00	10,862.00	6,355.68	146.39	82.37	101.81	-46.54	3,605.55	7,912.35	7,816.62	95.73	82.650		
14,400.00	6,227.00	10,862.00	6,355.68	148.03	82.37	101.81	-46.54	3,605.55	8,012.06	7,916.33	95.73	83.690		
14,500.00	6,227.00	10,862.00	6,355.68	149.67	82.37	101.81	-46.54	3,605.55	8,111.78	8,016.05	95.74	84.730		
14,600.00	6,227.00	10,862.00	6,355.68	151.32	82.37	101.81	-46.54	3,605.55	8,211.51	8,115.77	95.74	85.769		
14,700.00	6,227.00	10,862.00	6,355.68	152.97	82.37	101.81	-46.54	3,605.55	8,311.24	8,215.50	95.74	86.807		
14,800.00	6,227.00	10,862.00	6,355.68	154.62	82.37	101.81	-46.54	3,605.55	8,410.98	8,315.23	95.75	87.844		
14,900.00	6,227.00	10,862.00	6,355.68	156.28	82.37	101.81	-46.54	3,605.55	8,510.72	8,414.97	95.75	88.881		
15,000.00	6,227.00	10,862.00	6,355.68	157.94	82.37	101.81	-46.54	3,605.55	8,610.47	8,514.71	95.76	89.916		
15,100.00	6,227.00	10,862.00	6,355.68	159.60	82.37	101.81	-46.54	3,605.55	8,710.23	8,614.46	95.77	90.951		
15,200.00	6,227.00	10,862.00	6,355.68	161.27	82.37	101.81	-46.54	3,605.55	8,809.99	8,714.22	95.78	91.984		
15,300.00	6,227.00	10,862.00	6,355.68	162.94	82.37	101.81	-46.54	3,605.55	8,909.76	8,813.97	95.79	93.017		
15,400.00	6,227.00	10,862.00	6,355.68	164.61	82.37	101.81	-46.54	3,605.55	9,009.53	8,913.74	95.80	94.049		
15,500.00	6,227.00	10,862.00	6,355.68	166.28	82.37	101.81	-46.54	3,605.55	9,109.31	9,013.50	95.81	95.080		
15,600.00	6,227.00	10,862.00	6,355.68	167.95	82.37	101.81	-46.54	3,605.55	9,209.09	9,113.27	95.82	96.110		
15,700.00	6,227.00	10,862.00	6,355.68	169.63	82.37	101.81	-46.54	3,605.55	9,308.88	9,213.05	95.83	97.140		
15,800.00	6,227.00	10,862.00	6,355.68	171.31	82.37	101.81	-46.54	3,605.55	9,408.67	9,312.83	95.84	98.168		
15,900.00	6,227.00	10,862.00	6,355.68	172.99	82.37	101.81	-46.54	3,605.55	9,508.47	9,412.61	95.86	99.195		
16,000.00	6,227.00	10,862.00	6,355.68	174.68	82.37	101.81	-46.54	3,605.55	9,608.27	9,512.40	95.87	100.221		
16,100.00	6,227.00	10,862.00	6,355.68	176.36	82.37	101.81	-46.54	3,605.55	9,708.07	9,612.19	95.89	101.247		
16,200.00	6,227.00	10,862.00	6,355.68	178.05	82.37	101.81	-46.54	3,605.55	9,807.88	9,711.98	95.90	102.271		
16,300.00	6,227.00	10,862.00	6,355.68	179.74	82.37	101.81	-46.54	3,605.55	9,907.69	9,811.77	95.92	103.295		
16,400.00	6,227.00	10,862.00	6,355.68	181.43	82.37	101.81	-46.54	3,605.55	10,007.51	9,911.57	95.93	104.317		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	141.84	-4,336.86	3,407.71	5,515.51				
100.00	100.00	127.95	127.95	0.27	0.22	141.84	-4,336.83	3,407.32	5,515.29	5,514.80	0.49	N/A	
200.00	200.00	249.80	249.79	0.63	0.44	141.85	-4,336.74	3,406.22	5,514.68	5,513.61	1.06	5,187.295	
300.00	300.00	371.63	371.61	0.99	0.65	141.87	-4,336.59	3,404.41	5,513.67	5,512.03	1.63	3,374.408	
400.00	399.98	493.36	493.32	1.34	0.86	58.57	-4,336.39	3,401.90	5,511.35	5,509.15	2.20	2,506.535	
500.00	499.84	583.80	583.73	1.69	1.15	58.69	-4,336.00	3,400.11	5,507.06	5,504.22	2.84	1,935.701	
600.00	599.45	639.93	639.86	2.06	1.35	58.83	-4,335.49	3,399.72	5,501.43	5,498.03	3.40	1,616.968	
700.00	698.70	694.00	693.92	2.44	1.53	59.00	-4,334.99	3,400.27	5,494.94	5,490.98	3.96	1,386.730	
800.00	797.47	734.81	734.72	2.85	1.67	59.18	-4,334.93	3,400.90	5,487.59	5,483.10	4.49	1,221.396	
900.00	895.62	787.00	786.91	3.29	1.85	59.41	-4,335.76	3,401.31	5,479.44	5,474.35	5.08	1,077.712	
1,000.00	993.06	877.00	876.88	3.76	2.16	59.77	-4,337.86	3,401.66	5,469.94	5,464.10	5.84	936.938	
1,100.00	1,089.64	953.73	953.56	4.27	2.43	60.16	-4,340.44	3,401.08	5,458.96	5,452.37	6.59	828.934	
1,200.00	1,185.27	1,069.60	1,069.27	4.83	2.84	60.74	-4,345.97	3,398.59	5,446.65	5,439.14	7.52	724.569	
1,300.00	1,279.82	1,241.56	1,240.78	5.45	3.47	61.65	-4,355.00	3,390.16	5,431.48	5,422.77	8.71	623.625	
1,400.00	1,373.17	1,297.34	1,296.34	6.12	3.68	62.18	-4,358.42	3,386.55	5,414.88	5,405.35	9.53	568.203	
1,500.00	1,465.21	1,338.00	1,336.76	6.85	3.84	62.69	-4,361.52	3,383.49	5,397.63	5,387.28	10.35	521.605	
1,600.00	1,555.84	1,386.92	1,385.30	7.65	4.03	63.26	-4,365.99	3,379.44	5,379.85	5,368.59	11.26	477.678	
1,700.00	1,644.94	1,430.00	1,427.97	8.51	4.20	63.84	-4,370.60	3,375.65	5,361.73	5,349.51	12.22	438.842	
1,800.00	1,732.39	1,430.00	1,427.97	9.45	4.20	64.17	-4,370.60	3,375.65	5,343.52	5,330.45	13.07	408.869	
1,827.18	1,755.86	1,465.39	1,462.96	9.72	4.34	64.49	-4,374.86	3,372.47	5,338.31	5,324.86	13.46	396.689	
1,900.00	1,818.58	10,816.00	6,304.53	10.44	82.16	74.55	-50.76	3,242.27	5,290.44	5,231.74	58.71	90.115	
2,000.00	1,904.71	10,816.00	6,304.53	11.46	82.16	74.55	-50.76	3,242.27	5,190.80	5,131.98	58.82	88.244	
2,100.00	1,990.83	10,816.00	6,304.53	12.49	82.16	74.55	-50.76	3,242.27	5,091.17	5,032.22	58.94	86.372	
2,200.00	2,076.96	10,816.00	6,304.53	13.53	82.16	74.55	-50.76	3,242.27	4,991.55	4,932.47	59.07	84.498	
2,300.00	2,163.08	10,816.00	6,304.53	14.57	82.16	74.55	-50.76	3,242.27	4,891.95	4,832.74	59.21	82.623	
2,400.00	2,249.21	10,816.00	6,304.53	15.62	82.16	74.55	-50.76	3,242.27	4,792.36	4,733.01	59.35	80.747	
2,500.00	2,335.33	10,816.00	6,304.53	16.68	82.16	74.55	-50.76	3,242.27	4,692.79	4,633.29	59.50	78.871	
2,600.00	2,421.45	10,816.00	6,304.53	17.74	82.16	74.55	-50.76	3,242.27	4,593.24	4,533.59	59.66	76.995	
2,700.00	2,507.58	10,816.00	6,304.53	18.81	82.16	74.55	-50.76	3,242.27	4,493.71	4,433.89	59.82	75.120	
2,800.00	2,593.70	10,816.00	6,304.53	19.87	82.16	74.55	-50.76	3,242.27	4,394.20	4,334.21	59.99	73.246	
2,900.00	2,679.83	10,816.00	6,304.53	20.94	82.16	74.55	-50.76	3,242.27	4,294.72	4,234.55	60.17	71.373	
3,000.00	2,765.95	10,816.00	6,304.53	22.01	82.16	74.55	-50.76	3,242.27	4,195.26	4,134.90	60.36	69.502	
3,100.00	2,852.08	10,816.00	6,304.53	23.09	82.16	74.55	-50.76	3,242.27	4,095.82	4,035.27	60.56	67.633	
3,200.00	2,938.20	10,816.00	6,304.53	24.16	82.16	74.55	-50.76	3,242.27	3,996.42	3,935.65	60.77	65.767	
3,300.00	3,024.32	10,816.00	6,304.53	25.24	82.16	74.55	-50.76	3,242.27	3,897.04	3,836.06	60.98	63.903	
3,400.00	3,110.45	10,816.00	6,304.53	26.32	82.16	74.55	-50.76	3,242.27	3,797.70	3,736.49	61.21	62.043	
3,500.00	3,196.57	10,816.00	6,304.53	27.40	82.16	74.55	-50.76	3,242.27	3,698.39	3,636.94	61.45	60.186	
3,600.00	3,282.70	10,816.00	6,304.53	28.48	82.16	74.55	-50.76	3,242.27	3,599.12	3,537.42	61.70	58.333	
3,700.00	3,368.82	10,816.00	6,304.53	29.56	82.16	74.55	-50.76	3,242.27	3,499.90	3,437.93	61.96	56.484	
3,800.00	3,454.95	10,816.00	6,304.53	30.64	82.16	74.55	-50.76	3,242.27	3,400.71	3,338.47	62.24	54.640	
3,900.00	3,541.07	10,816.00	6,304.53	31.72	82.16	74.55	-50.76	3,242.27	3,301.58	3,239.05	62.53	52.800	
4,000.00	3,627.19	10,816.00	6,304.53	32.80	82.16	74.55	-50.76	3,242.27	3,202.50	3,139.66	62.84	50.965	
4,100.00	3,713.32	10,816.00	6,304.53	33.89	82.16	74.55	-50.76	3,242.27	3,103.48	3,040.32	63.16	49.136	
4,200.00	3,799.44	10,816.00	6,304.53	34.97	82.16	74.55	-50.76	3,242.27	3,004.53	2,941.02	63.50	47.312	
4,300.00	3,885.57	10,816.00	6,304.53	36.05	82.16	74.55	-50.76	3,242.27	2,905.64	2,841.77	63.87	45.494	
4,400.00	3,971.69	10,816.00	6,304.53	37.14	82.16	74.55	-50.76	3,242.27	2,806.84	2,742.58	64.25	43.683	
4,500.00	4,057.82	10,816.00	6,304.53	38.22	82.16	74.55	-50.76	3,242.27	2,708.12	2,643.46	64.67	41.879	
4,600.00	4,143.94	10,816.00	6,304.53	39.31	82.16	74.55	-50.76	3,242.27	2,609.50	2,544.40	65.10	40.082	
4,700.00	4,230.06	10,816.00	6,304.53	40.39	82.16	74.55	-50.76	3,242.27	2,510.99	2,445.42	65.57	38.293	
4,800.00	4,316.19	10,816.00	6,304.53	41.48	82.16	74.55	-50.76	3,242.27	2,412.60	2,346.53	66.08	36.512	
4,900.00	4,402.31	10,816.00	6,304.53	42.57	82.16	74.55	-50.76	3,242.27	2,314.36	2,247.74	66.62	34.740	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
5,000.00	4,488.44	10,816.00	6,304.53	43.65	82.16	74.55	-50.76	3,242.27	2,216.26	2,149.06	67.21	32.978	
5,100.00	4,574.56	10,816.00	6,304.53	44.74	82.16	74.55	-50.76	3,242.27	2,118.35	2,050.51	67.84	31.226	
5,200.00	4,660.69	10,816.00	6,304.53	45.83	82.16	74.55	-50.76	3,242.27	2,020.64	1,952.11	68.53	29.486	
5,300.00	4,746.81	10,816.00	6,304.53	46.91	82.16	74.55	-50.76	3,242.27	1,923.17	1,853.88	69.28	27.758	
5,400.00	4,832.93	10,816.00	6,304.53	48.00	82.16	74.55	-50.76	3,242.27	1,825.97	1,755.86	70.11	26.044	
5,500.00	4,919.06	10,816.00	6,304.53	49.09	82.16	74.55	-50.76	3,242.27	1,729.08	1,658.06	71.02	24.347	
5,600.00	5,005.18	10,816.00	6,304.53	50.17	82.16	74.55	-50.76	3,242.27	1,632.58	1,560.55	72.03	22.666	
5,700.00	5,091.31	10,816.00	6,304.53	51.26	82.16	74.55	-50.76	3,242.27	1,536.52	1,463.37	73.15	21.006	
5,800.00	5,177.43	10,816.00	6,304.53	52.35	82.16	74.55	-50.76	3,242.27	1,441.00	1,366.60	74.40	19.369	
5,900.00	5,263.56	10,816.00	6,304.53	53.44	82.16	74.55	-50.76	3,242.27	1,346.13	1,270.32	75.80	17.758	
6,000.00	5,349.68	10,816.00	6,304.53	54.53	82.16	74.55	-50.76	3,242.27	1,252.05	1,174.66	77.39	16.178	
6,100.00	5,435.80	10,816.00	6,304.53	55.61	82.16	74.55	-50.76	3,242.27	1,158.97	1,079.78	79.19	14.635	
6,200.00	5,521.93	10,816.00	6,304.53	56.70	82.16	74.55	-50.76	3,242.27	1,067.15	985.91	81.24	13.136	
6,300.00	5,608.05	10,816.00	6,304.53	57.79	82.16	74.55	-50.76	3,242.27	976.93	893.35	83.58	11.689	
6,400.00	5,694.18	10,816.00	6,304.53	58.88	82.16	74.55	-50.76	3,242.27	888.80	802.56	86.24	10.306	
6,479.32	5,762.49	10,816.00	6,304.53	59.74	82.16	74.55	-50.76	3,242.27	820.84	732.23	88.61	9.264	
6,500.00	5,780.28	10,816.00	6,304.53	59.97	82.16	79.10	-50.76	3,242.27	803.65	714.38	89.27	9.002	
6,550.00	5,822.98	10,816.00	6,304.53	60.51	82.16	89.15	-50.76	3,242.27	764.62	673.61	91.01	8.401	
6,600.00	5,865.00	10,816.00	6,304.53	61.05	82.16	97.84	-50.76	3,242.27	729.86	636.97	92.89	7.857	
6,650.00	5,906.01	10,816.00	6,304.53	61.57	82.16	105.21	-50.76	3,242.27	700.27	605.47	94.80	7.387	
6,700.00	5,945.70	10,816.00	6,304.53	62.08	82.16	111.35	-50.76	3,242.27	676.79	580.17	96.61	7.005	
6,750.00	5,983.77	10,816.00	6,304.53	62.56	82.16	116.39	-50.76	3,242.27	660.24	562.07	98.17	6.726	
6,800.00	6,019.92	10,816.00	6,304.53	63.02	82.16	120.46	-50.76	3,242.27	651.29	551.97	99.32	6.557	
6,831.04	6,041.29	10,816.00	6,304.53	63.29	82.16	122.55	-50.76	3,242.27	649.73	549.94	99.79	6.511 CC, ES	
6,850.00	6,053.90	10,816.00	6,304.53	63.45	82.16	123.68	-50.76	3,242.27	650.31	550.33	99.98	6.504 SF	
6,900.00	6,085.42	10,816.00	6,304.53	63.86	82.16	126.15	-50.76	3,242.27	657.36	557.23	100.13	6.565	
6,950.00	6,114.26	10,816.00	6,304.53	64.23	82.16	127.95	-50.76	3,242.27	672.12	572.31	99.81	6.734	
7,000.00	6,140.20	10,816.00	6,304.53	64.58	82.16	129.10	-50.76	3,242.27	694.00	594.84	99.16	6.999	
7,050.00	6,163.03	10,816.00	6,304.53	64.89	82.16	129.62	-50.76	3,242.27	722.19	623.89	98.31	7.346	
7,100.00	6,182.59	10,816.00	6,304.53	65.17	82.16	129.45	-50.76	3,242.27	755.79	658.41	97.38	7.761	
7,150.00	6,198.73	10,816.00	6,304.53	65.42	82.16	128.47	-50.76	3,242.27	793.87	697.40	96.47	8.229	
7,200.00	6,211.32	10,816.00	6,304.53	65.65	82.16	126.43	-50.76	3,242.27	835.55	739.91	95.64	8.736	
7,250.00	6,220.26	10,816.00	6,304.53	65.84	82.16	122.86	-50.76	3,242.27	880.03	785.10	94.93	9.270	
7,300.00	6,225.50	10,816.00	6,304.53	66.01	82.16	116.79	-50.76	3,242.27	926.59	832.25	94.33	9.823	
7,344.70	6,227.00	10,816.00	6,304.53	66.14	82.16	107.64	-50.76	3,242.27	969.46	875.56	93.90	10.324	
7,400.00	6,227.00	10,816.00	6,304.53	66.29	82.16	107.64	-50.76	3,242.27	1,023.13	929.69	93.45	10.949	
7,500.00	6,227.00	10,816.00	6,304.53	66.58	82.16	107.64	-50.76	3,242.27	1,120.60	1,027.84	92.76	12.080	
7,600.00	6,227.00	10,816.00	6,304.53	66.90	82.16	107.64	-50.76	3,242.27	1,218.48	1,126.26	92.22	13.213	
7,700.00	6,227.00	10,816.00	6,304.53	67.24	82.16	107.64	-50.76	3,242.27	1,316.68	1,224.90	91.78	14.346	
7,800.00	6,227.00	10,816.00	6,304.53	67.61	82.16	107.64	-50.76	3,242.27	1,415.13	1,323.71	91.42	15.480	
7,900.00	6,227.00	10,816.00	6,304.53	68.00	82.16	107.64	-50.76	3,242.27	1,513.78	1,422.66	91.12	16.612	
8,000.00	6,227.00	10,816.00	6,304.53	68.43	82.16	107.64	-50.76	3,242.27	1,612.60	1,521.72	90.88	17.744	
8,100.00	6,227.00	10,816.00	6,304.53	68.88	82.16	107.64	-50.76	3,242.27	1,711.56	1,620.88	90.68	18.876	
8,200.00	6,227.00	10,816.00	6,304.53	69.36	82.16	107.64	-50.76	3,242.27	1,810.63	1,720.13	90.50	20.006	
8,300.00	6,227.00	10,816.00	6,304.53	69.88	82.16	107.64	-50.76	3,242.27	1,909.80	1,819.44	90.36	21.136	
8,400.00	6,227.00	10,816.00	6,304.53	70.43	82.16	107.64	-50.76	3,242.27	2,009.05	1,918.81	90.23	22.265	
8,500.00	6,227.00	10,816.00	6,304.53	71.00	82.16	107.64	-50.76	3,242.27	2,108.37	2,018.24	90.13	23.393	
8,600.00	6,227.00	10,816.00	6,304.53	71.62	82.16	107.64	-50.76	3,242.27	2,207.75	2,117.71	90.04	24.520	
8,700.00	6,227.00	10,816.00	6,304.53	72.26	82.16	107.64	-50.76	3,242.27	2,307.19	2,217.23	89.96	25.646	
8,800.00	6,227.00	10,816.00	6,304.53	72.94	82.16	107.64	-50.76	3,242.27	2,406.67	2,316.78	89.89	26.772	
8,900.00	6,227.00	10,816.00	6,304.53	73.66	82.16	107.64	-50.76	3,242.27	2,506.19	2,416.36	89.84	27.897	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
9,000.00	6,227.00	10,816.00	6,304.53	74.41	82.16	107.64	-50.76	3,242.27	2,605.76	2,515.97	89.79	29.022	
9,100.00	6,227.00	10,816.00	6,304.53	75.19	82.16	107.64	-50.76	3,242.27	2,705.35	2,615.60	89.74	30.145	
9,200.00	6,227.00	10,816.00	6,304.53	76.01	82.16	107.64	-50.76	3,242.27	2,804.97	2,715.26	89.71	31.268	
9,300.00	6,227.00	10,816.00	6,304.53	76.86	82.16	107.64	-50.76	3,242.27	2,904.62	2,814.94	89.67	32.391	
9,400.00	6,227.00	10,816.00	6,304.53	77.75	82.16	107.64	-50.76	3,242.27	3,004.29	2,914.64	89.65	33.512	
9,500.00	6,227.00	10,816.00	6,304.53	78.67	82.16	107.64	-50.76	3,242.27	3,103.98	3,014.36	89.62	34.633	
9,600.00	6,227.00	10,816.00	6,304.53	79.63	82.16	107.64	-50.76	3,242.27	3,203.69	3,114.09	89.60	35.754	
9,700.00	6,227.00	10,816.00	6,304.53	80.62	82.16	107.64	-50.76	3,242.27	3,303.42	3,213.83	89.59	36.874	
9,800.00	6,227.00	10,816.00	6,304.53	81.64	82.16	107.64	-50.76	3,242.27	3,403.17	3,313.59	89.57	37.993	
9,900.00	6,227.00	10,816.00	6,304.53	82.69	82.16	107.64	-50.76	3,242.27	3,502.93	3,413.36	89.56	39.112	
10,000.00	6,227.00	10,816.00	6,304.53	83.77	82.16	107.64	-50.76	3,242.27	3,602.70	3,513.14	89.55	40.230	
10,100.00	6,227.00	10,816.00	6,304.53	84.88	82.16	107.64	-50.76	3,242.27	3,702.48	3,612.94	89.55	41.347	
10,200.00	6,227.00	10,816.00	6,304.53	86.02	82.16	107.64	-50.76	3,242.27	3,802.28	3,712.74	89.54	42.464	
10,300.00	6,227.00	10,816.00	6,304.53	87.19	82.16	107.64	-50.76	3,242.27	3,902.09	3,812.55	89.54	43.580	
10,400.00	6,227.00	10,816.00	6,304.53	88.38	82.16	107.64	-50.76	3,242.27	4,001.90	3,912.37	89.54	44.696	
10,500.00	6,227.00	10,816.00	6,304.53	89.60	82.16	107.64	-50.76	3,242.27	4,101.73	4,012.19	89.54	45.811	
10,600.00	6,227.00	10,816.00	6,304.53	90.84	82.16	107.64	-50.76	3,242.27	4,201.56	4,112.02	89.54	46.926	
10,700.00	6,227.00	10,816.00	6,304.53	92.11	82.16	107.64	-50.76	3,242.27	4,301.40	4,211.86	89.54	48.039	
10,800.00	6,227.00	10,816.00	6,304.53	93.39	82.16	107.64	-50.76	3,242.27	4,401.25	4,311.71	89.54	49.153	
10,900.00	6,227.00	10,816.00	6,304.53	94.70	82.16	107.64	-50.76	3,242.27	4,501.11	4,411.56	89.55	50.265	
11,000.00	6,227.00	10,816.00	6,304.53	96.03	82.16	107.64	-50.76	3,242.27	4,600.97	4,511.42	89.55	51.377	
11,100.00	6,227.00	10,816.00	6,304.53	97.37	82.16	107.64	-50.76	3,242.27	4,700.84	4,611.28	89.56	52.489	
11,200.00	6,227.00	10,816.00	6,304.53	98.74	82.16	107.64	-50.76	3,242.27	4,800.71	4,711.14	89.57	53.599	
11,300.00	6,227.00	10,816.00	6,304.53	100.12	82.16	107.64	-50.76	3,242.27	4,900.59	4,811.01	89.58	54.709	
11,400.00	6,227.00	10,816.00	6,304.53	101.51	82.16	107.64	-50.76	3,242.27	5,000.47	4,910.88	89.58	55.819	
11,500.00	6,227.00	10,816.00	6,304.53	102.92	82.16	107.64	-50.76	3,242.27	5,100.36	5,010.76	89.59	56.927	
11,600.00	6,227.00	10,816.00	6,304.53	104.35	82.16	107.64	-50.76	3,242.27	5,200.25	5,110.64	89.60	58.035	
11,700.00	6,227.00	10,816.00	6,304.53	105.79	82.16	107.64	-50.76	3,242.27	5,300.14	5,210.53	89.62	59.143	
11,800.00	6,227.00	10,816.00	6,304.53	107.24	82.16	107.64	-50.76	3,242.27	5,400.04	5,310.42	89.63	60.249	
11,900.00	6,227.00	10,816.00	6,304.53	108.71	82.16	107.64	-50.76	3,242.27	5,499.95	5,410.31	89.64	61.355	
12,000.00	6,227.00	10,816.00	6,304.53	110.19	82.16	107.64	-50.76	3,242.27	5,599.85	5,510.20	89.65	62.461	
12,100.00	6,227.00	10,816.00	6,304.53	111.68	82.16	107.64	-50.76	3,242.27	5,699.77	5,610.10	89.67	63.565	
12,200.00	6,227.00	10,816.00	6,304.53	113.18	82.16	107.64	-50.76	3,242.27	5,799.68	5,710.00	89.68	64.669	
12,300.00	6,227.00	10,816.00	6,304.53	114.68	82.16	107.64	-50.76	3,242.27	5,899.59	5,809.90	89.70	65.772	
12,400.00	6,227.00	10,816.00	6,304.53	116.20	82.16	107.64	-50.76	3,242.27	5,999.51	5,909.80	89.71	66.875	
12,500.00	6,227.00	10,816.00	6,304.53	117.73	82.16	107.64	-50.76	3,242.27	6,099.44	6,009.71	89.73	67.976	
12,600.00	6,227.00	10,816.00	6,304.53	119.27	82.16	107.64	-50.76	3,242.27	6,199.36	6,109.61	89.75	69.077	
12,700.00	6,227.00	10,816.00	6,304.53	120.81	82.16	107.64	-50.76	3,242.27	6,299.29	6,209.52	89.76	70.177	
12,800.00	6,227.00	10,816.00	6,304.53	122.37	82.16	107.64	-50.76	3,242.27	6,399.22	6,309.43	89.78	71.276	
12,900.00	6,227.00	10,816.00	6,304.53	123.93	82.16	107.64	-50.76	3,242.27	6,499.15	6,409.35	89.80	72.375	
13,000.00	6,227.00	10,816.00	6,304.53	125.49	82.16	107.64	-50.76	3,242.27	6,599.08	6,509.26	89.82	73.473	
13,100.00	6,227.00	10,816.00	6,304.53	127.07	82.16	107.64	-50.76	3,242.27	6,699.01	6,609.18	89.84	74.570	
13,200.00	6,227.00	10,816.00	6,304.53	128.65	82.16	107.64	-50.76	3,242.27	6,798.95	6,709.10	89.85	75.666	
13,300.00	6,227.00	10,816.00	6,304.53	130.24	82.16	107.64	-50.76	3,242.27	6,898.89	6,809.02	89.87	76.761	
13,400.00	6,227.00	10,816.00	6,304.53	131.83	82.16	107.64	-50.76	3,242.27	6,998.83	6,908.94	89.89	77.856	
13,500.00	6,227.00	10,816.00	6,304.53	133.43	82.16	107.64	-50.76	3,242.27	7,098.77	7,008.86	89.92	78.949	
13,600.00	6,227.00	10,816.00	6,304.53	135.03	82.16	107.64	-50.76	3,242.27	7,198.72	7,108.78	89.94	80.042	
13,700.00	6,227.00	10,816.00	6,304.53	136.64	82.16	107.64	-50.76	3,242.27	7,298.66	7,208.70	89.96	81.134	
13,800.00	6,227.00	10,816.00	6,304.53	138.25	82.16	107.64	-50.76	3,242.27	7,398.61	7,308.63	89.98	82.225	
13,900.00	6,227.00	10,816.00	6,304.53	139.87	82.16	107.64	-50.76	3,242.27	7,498.56	7,408.56	90.00	83.315	
14,000.00	6,227.00	10,816.00	6,304.53	141.50	82.16	107.64	-50.76	3,242.27	7,598.51	7,508.48	90.02	84.405	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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 +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	6,227.00	10,816.00	6,304.53	143.12	82.16	107.64	-50.76	3,242.27	7,698.46	7,608.41	90.05	85.493		
14,200.00	6,227.00	10,816.00	6,304.53	144.76	82.16	107.64	-50.76	3,242.27	7,798.41	7,708.34	90.07	86.581		
14,300.00	6,227.00	10,816.00	6,304.53	146.39	82.16	107.64	-50.76	3,242.27	7,898.36	7,808.27	90.09	87.667		
14,400.00	6,227.00	10,816.00	6,304.53	148.03	82.16	107.64	-50.76	3,242.27	7,998.32	7,908.20	90.12	88.753		
14,500.00	6,227.00	10,816.00	6,304.53	149.67	82.16	107.64	-50.76	3,242.27	8,098.27	8,008.13	90.14	89.837		
14,600.00	6,227.00	10,816.00	6,304.53	151.32	82.16	107.64	-50.76	3,242.27	8,198.23	8,108.06	90.17	90.921		
14,700.00	6,227.00	10,816.00	6,304.53	152.97	82.16	107.64	-50.76	3,242.27	8,298.19	8,208.00	90.19	92.004		
14,800.00	6,227.00	10,816.00	6,304.53	154.62	82.16	107.64	-50.76	3,242.27	8,398.15	8,307.93	90.22	93.086		
14,900.00	6,227.00	10,816.00	6,304.53	156.28	82.16	107.64	-50.76	3,242.27	8,498.11	8,407.86	90.25	94.167		
15,000.00	6,227.00	10,816.00	6,304.53	157.94	82.16	107.64	-50.76	3,242.27	8,598.07	8,507.80	90.27	95.247		
15,100.00	6,227.00	10,816.00	6,304.53	159.60	82.16	107.64	-50.76	3,242.27	8,698.03	8,607.73	90.30	96.326		
15,200.00	6,227.00	10,816.00	6,304.53	161.27	82.16	107.64	-50.76	3,242.27	8,797.99	8,707.67	90.33	97.404		
15,300.00	6,227.00	10,816.00	6,304.53	162.94	82.16	107.64	-50.76	3,242.27	8,897.96	8,807.60	90.35	98.481		
15,400.00	6,227.00	10,816.00	6,304.53	164.61	82.16	107.64	-50.76	3,242.27	8,997.92	8,907.54	90.38	99.556		
15,500.00	6,227.00	10,816.00	6,304.53	166.28	82.16	107.64	-50.76	3,242.27	9,097.89	9,007.48	90.41	100.631		
15,600.00	6,227.00	10,816.00	6,304.53	167.95	82.16	107.64	-50.76	3,242.27	9,197.85	9,107.42	90.44	101.705		
15,700.00	6,227.00	10,816.00	6,304.53	169.63	82.16	107.64	-50.76	3,242.27	9,297.82	9,207.35	90.47	102.778		
15,800.00	6,227.00	10,816.00	6,304.53	171.31	82.16	107.64	-50.76	3,242.27	9,397.79	9,307.29	90.49	103.850		
15,900.00	6,227.00	10,816.00	6,304.53	172.99	82.16	107.64	-50.76	3,242.27	9,497.75	9,407.23	90.52	104.920		
16,000.00	6,227.00	10,816.00	6,304.53	174.68	82.16	107.64	-50.76	3,242.27	9,597.72	9,507.17	90.55	105.990		
16,100.00	6,227.00	10,816.00	6,304.53	176.36	82.16	107.64	-50.76	3,242.27	9,697.69	9,607.11	90.58	107.059		
16,200.00	6,227.00	10,816.00	6,304.53	178.05	82.16	107.64	-50.76	3,242.27	9,797.66	9,707.05	90.61	108.126		
16,300.00	6,227.00	10,816.00	6,304.53	179.74	82.16	107.64	-50.76	3,242.27	9,897.63	9,806.99	90.64	109.192		
16,400.00	6,227.00	10,816.00	6,304.53	181.43	82.16	107.64	-50.76	3,242.27	9,997.60	9,906.93	90.67	110.258		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	142.21	-4,395.14	3,407.72	5,561.46				
100.00	100.00	103.49	103.49	0.27	0.18	142.21	-4,395.19	3,407.69	5,561.47	5,561.03	0.45	N/A	
200.00	200.00	202.05	202.05	0.63	0.35	142.21	-4,395.31	3,407.59	5,561.51	5,560.54	0.98	5,688.189	
300.00	300.00	300.61	300.61	0.99	0.52	142.22	-4,395.51	3,407.44	5,561.58	5,560.07	1.51	3,690.181	
400.00	399.98	399.14	399.14	1.34	0.69	58.87	-4,395.79	3,407.23	5,560.77	5,558.74	2.03	2,739.182	
500.00	499.84	497.54	497.53	1.69	0.86	58.97	-4,396.15	3,406.95	5,558.18	5,555.63	2.55	2,176.538	
600.00	599.45	513.00	513.00	2.06	0.89	59.04	-4,396.21	3,406.90	5,554.46	5,551.51	2.94	1,887.420	
700.00	698.70	513.00	513.00	2.44	0.89	59.11	-4,396.21	3,406.90	5,550.71	5,547.39	3.32	1,672.012	
800.00	797.47	557.11	557.09	2.85	1.05	59.24	-4,396.93	3,407.62	5,545.85	5,541.98	3.87	1,433.398	
900.00	895.62	604.00	603.86	3.29	1.22	59.39	-4,398.86	3,410.27	5,541.78	5,537.33	4.45	1,246.229	
1,000.00	993.06	604.00	603.86	3.76	1.22	59.48	-4,398.86	3,410.27	5,536.46	5,531.57	4.89	1,132.163	
1,100.00	1,089.64	604.00	603.86	4.27	1.22	59.57	-4,398.86	3,410.27	5,531.17	5,525.80	5.37	1,030.526	
1,200.00	1,185.27	667.61	667.17	4.83	1.45	59.82	-4,402.37	3,415.36	5,525.38	5,519.28	6.10	905.211	
1,300.00	1,279.82	743.32	742.48	5.45	1.72	60.14	-4,406.72	3,421.82	5,518.43	5,511.50	6.93	796.088	
1,400.00	1,373.17	787.00	785.92	6.12	1.88	60.40	-4,409.25	3,425.67	5,510.30	5,502.61	7.69	716.432	
1,500.00	1,465.21	837.96	836.55	6.85	2.08	60.72	-4,412.65	3,430.29	5,501.41	5,492.87	8.54	644.533	
1,600.00	1,555.84	879.00	877.27	7.65	2.24	61.03	-4,416.03	3,434.14	5,492.11	5,482.71	9.40	584.339	
1,700.00	1,644.94	969.70	967.22	8.51	2.61	61.57	-4,423.77	3,442.78	5,481.76	5,471.25	10.51	521.489	
1,800.00	1,732.39	1,007.73	1,004.93	9.45	2.77	61.93	-4,427.04	3,446.58	5,470.40	5,458.91	11.49	475.899	
1,827.18	1,755.86	1,016.16	1,013.27	9.72	2.80	62.03	-4,427.80	3,447.48	5,467.26	5,455.49	11.77	464.670	
1,900.00	1,818.58	1,063.00	1,059.58	10.44	3.00	62.23	-4,432.39	3,452.79	5,459.30	5,446.71	12.60	433.389	
2,000.00	1,904.71	1,101.25	1,097.36	11.46	3.16	62.40	-4,436.27	3,457.35	5,449.07	5,435.41	13.66	398.917	
2,100.00	1,990.83	1,181.12	1,176.27	12.49	3.50	62.75	-4,444.05	3,466.87	5,439.19	5,424.29	14.90	365.009	
2,200.00	2,076.96	1,245.00	1,239.25	13.53	3.78	63.03	-4,450.54	3,475.42	5,430.50	5,414.40	16.10	337.362	
2,300.00	2,163.08	1,275.32	1,269.09	14.57	3.92	63.16	-4,453.74	3,479.73	5,422.67	5,405.50	17.17	315.794	
2,400.00	2,249.21	1,549.07	1,539.27	15.62	5.13	64.33	-4,478.34	3,516.08	5,413.40	5,394.16	19.24	281.358	
2,500.00	2,335.33	10,918.00	6,370.89	16.68	82.74	29.61	-42.48	4,234.86	5,339.88	5,275.44	64.44	82.869	
2,600.00	2,421.45	10,918.00	6,370.89	17.74	82.74	29.61	-42.48	4,234.86	5,241.96	5,177.18	64.78	80.920	
2,700.00	2,507.58	10,918.00	6,370.89	18.81	82.74	29.61	-42.48	4,234.86	5,144.12	5,078.98	65.14	78.976	
2,800.00	2,593.70	10,918.00	6,370.89	19.87	82.74	29.61	-42.48	4,234.86	5,046.37	4,980.86	65.51	77.037	
2,900.00	2,679.83	10,918.00	6,370.89	20.94	82.74	29.61	-42.48	4,234.86	4,948.70	4,882.81	65.89	75.105	
3,000.00	2,765.95	10,918.00	6,370.89	22.01	82.74	29.61	-42.48	4,234.86	4,851.13	4,784.84	66.29	73.179	
3,100.00	2,852.08	10,918.00	6,370.89	23.09	82.74	29.61	-42.48	4,234.86	4,753.66	4,686.96	66.71	71.261	
3,200.00	2,938.20	10,918.00	6,370.89	24.16	82.74	29.61	-42.48	4,234.86	4,656.30	4,589.16	67.14	69.350	
3,300.00	3,024.32	10,918.00	6,370.89	25.24	82.74	29.61	-42.48	4,234.86	4,559.06	4,491.46	67.59	67.447	
3,400.00	3,110.45	10,918.00	6,370.89	26.32	82.74	29.61	-42.48	4,234.86	4,461.93	4,393.87	68.07	65.553	
3,500.00	3,196.57	10,918.00	6,370.89	27.40	82.74	29.61	-42.48	4,234.86	4,364.94	4,296.38	68.56	63.669	
3,600.00	3,282.70	10,918.00	6,370.89	28.48	82.74	29.61	-42.48	4,234.86	4,268.08	4,199.01	69.07	61.795	
3,700.00	3,368.82	10,918.00	6,370.89	29.56	82.74	29.61	-42.48	4,234.86	4,171.38	4,101.77	69.60	59.931	
3,800.00	3,454.95	10,918.00	6,370.89	30.64	82.74	29.61	-42.48	4,234.86	4,074.83	4,004.67	70.16	58.078	
3,900.00	3,541.07	10,918.00	6,370.89	31.72	82.74	29.61	-42.48	4,234.86	3,978.45	3,907.70	70.74	56.237	
4,000.00	3,627.19	10,918.00	6,370.89	32.80	82.74	29.61	-42.48	4,234.86	3,882.25	3,810.90	71.35	54.408	
4,100.00	3,713.32	10,918.00	6,370.89	33.89	82.74	29.61	-42.48	4,234.86	3,786.26	3,714.26	71.99	52.592	
4,200.00	3,799.44	10,918.00	6,370.89	34.97	82.74	29.61	-42.48	4,234.86	3,690.47	3,617.81	72.66	50.790	
4,300.00	3,885.57	10,918.00	6,370.89	36.05	82.74	29.61	-42.48	4,234.86	3,594.92	3,521.55	73.36	49.002	
4,400.00	3,971.69	10,918.00	6,370.89	37.14	82.74	29.61	-42.48	4,234.86	3,499.61	3,425.51	74.10	47.229	
4,500.00	4,057.82	10,918.00	6,370.89	38.22	82.74	29.61	-42.48	4,234.86	3,404.57	3,329.70	74.87	45.472	
4,600.00	4,143.94	10,918.00	6,370.89	39.31	82.74	29.61	-42.48	4,234.86	3,309.82	3,234.14	75.68	43.732	
4,700.00	4,230.06	10,918.00	6,370.89	40.39	82.74	29.61	-42.48	4,234.86	3,215.40	3,138.86	76.54	42.009	
4,800.00	4,316.19	10,918.00	6,370.89	41.48	82.74	29.61	-42.48	4,234.86	3,121.32	3,043.88	77.44	40.305	
4,900.00	4,402.31	10,918.00	6,370.89	42.57	82.74	29.61	-42.48	4,234.86	3,027.62	2,949.22	78.39	38.621	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
5,000.00	4,488.44	10,918.00	6,370.89	43.65	82.74	29.61	-42.48	4,234.86	2,934.33	2,854.94	79.40	36.958	
5,100.00	4,574.56	10,918.00	6,370.89	44.74	82.74	29.61	-42.48	4,234.86	2,841.50	2,761.05	80.46	35.317	
5,200.00	4,660.69	10,918.00	6,370.89	45.83	82.74	29.61	-42.48	4,234.86	2,749.18	2,667.60	81.58	33.699	
5,300.00	4,746.81	10,918.00	6,370.89	46.91	82.74	29.61	-42.48	4,234.86	2,657.41	2,574.64	82.77	32.106	
5,400.00	4,832.93	10,918.00	6,370.89	48.00	82.74	29.61	-42.48	4,234.86	2,566.25	2,482.23	84.03	30.540	
5,500.00	4,919.06	10,918.00	6,370.89	49.09	82.74	29.61	-42.48	4,234.86	2,475.78	2,390.42	85.37	29.002	
5,600.00	5,005.18	10,918.00	6,370.89	50.17	82.74	29.61	-42.48	4,234.86	2,386.07	2,299.29	86.79	27.493	
5,700.00	5,091.31	10,918.00	6,370.89	51.26	82.74	29.61	-42.48	4,234.86	2,297.21	2,208.92	88.30	26.017	
5,800.00	5,177.43	10,918.00	6,370.89	52.35	82.74	29.61	-42.48	4,234.86	2,209.30	2,119.41	89.90	24.575	
5,900.00	5,263.56	10,918.00	6,370.89	53.44	82.74	29.61	-42.48	4,234.86	2,122.47	2,030.86	91.60	23.170	
6,000.00	5,349.68	10,918.00	6,370.89	54.53	82.74	29.61	-42.48	4,234.86	2,036.84	1,943.42	93.41	21.805	
6,100.00	5,435.80	10,918.00	6,370.89	55.61	82.74	29.61	-42.48	4,234.86	1,952.58	1,857.24	95.33	20.481	
6,200.00	5,521.93	10,918.00	6,370.89	56.70	82.74	29.61	-42.48	4,234.86	1,869.86	1,772.49	97.37	19.204	
6,300.00	5,608.05	10,918.00	6,370.89	57.79	82.74	29.61	-42.48	4,234.86	1,788.92	1,689.40	99.52	17.975	
6,400.00	5,694.18	10,918.00	6,370.89	58.88	82.74	29.61	-42.48	4,234.86	1,709.99	1,608.21	101.79	16.800	
6,479.32	5,762.49	10,918.00	6,370.89	59.74	82.74	29.61	-42.48	4,234.86	1,649.02	1,545.36	103.66	15.908	
6,500.00	5,780.28	10,918.00	6,370.89	59.97	82.74	35.21	-42.48	4,234.86	1,633.48	1,529.31	104.17	15.681	
6,550.00	5,822.98	10,918.00	6,370.89	60.51	82.74	47.80	-42.48	4,234.86	1,597.35	1,491.87	105.49	15.143	
6,600.00	5,865.00	10,918.00	6,370.89	61.05	82.74	58.90	-42.48	4,234.86	1,563.61	1,456.68	106.93	14.623	
6,650.00	5,906.01	10,918.00	6,370.89	61.57	82.74	68.44	-42.48	4,234.86	1,532.66	1,424.19	108.47	14.129	
6,700.00	5,945.70	10,918.00	6,370.89	62.08	82.74	76.47	-42.48	4,234.86	1,504.94	1,394.83	110.11	13.668	
6,750.00	5,983.77	10,918.00	6,370.89	62.56	82.74	83.13	-42.48	4,234.86	1,480.82	1,369.02	111.80	13.246	
6,800.00	6,019.92	10,918.00	6,370.89	63.02	82.74	88.58	-42.48	4,234.86	1,460.68	1,347.16	113.52	12.867	
6,850.00	6,053.90	10,918.00	6,370.89	63.45	82.74	92.97	-42.48	4,234.86	1,444.85	1,329.61	115.24	12.538	
6,900.00	6,085.42	10,918.00	6,370.89	63.86	82.74	96.44	-42.48	4,234.86	1,433.58	1,316.66	116.92	12.261	
6,950.00	6,114.26	10,918.00	6,370.89	64.23	82.74	99.08	-42.48	4,234.86	1,427.07	1,308.54	118.53	12.040	
6,991.62	6,136.07	10,918.00	6,370.89	64.52	82.74	100.72	-42.48	4,234.86	1,425.37	1,305.58	119.79	11.899 CC	
7,000.00	6,140.20	10,918.00	6,370.89	64.58	82.74	100.99	-42.48	4,234.86	1,425.44	1,305.41	120.03	11.876 ES	
7,050.00	6,163.03	10,918.00	6,370.89	64.89	82.74	102.23	-42.48	4,234.86	1,428.71	1,307.31	121.40	11.769	
7,100.00	6,182.59	10,918.00	6,370.89	65.17	82.74	102.82	-42.48	4,234.86	1,436.83	1,314.22	122.61	11.719 SF	
7,150.00	6,198.73	10,918.00	6,370.89	65.42	82.74	102.80	-42.48	4,234.86	1,449.65	1,326.00	123.65	11.724	
7,200.00	6,211.32	10,918.00	6,370.89	65.65	82.74	102.15	-42.48	4,234.86	1,466.96	1,342.44	124.52	11.781	
7,250.00	6,220.26	10,918.00	6,370.89	65.84	82.74	100.86	-42.48	4,234.86	1,488.47	1,363.25	125.21	11.887	
7,300.00	6,225.50	10,918.00	6,370.89	66.01	82.74	98.88	-42.48	4,234.86	1,513.84	1,388.09	125.75	12.039	
7,344.70	6,227.00	10,918.00	6,370.89	66.14	82.74	96.49	-42.48	4,234.86	1,539.48	1,413.38	126.09	12.209	
7,400.00	6,227.00	10,918.00	6,370.89	66.29	82.74	96.49	-42.48	4,234.86	1,573.42	1,447.01	126.41	12.447	
7,500.00	6,227.00	10,918.00	6,370.89	66.58	82.74	96.49	-42.48	4,234.86	1,637.76	1,510.96	126.80	12.916	
7,600.00	6,227.00	10,918.00	6,370.89	66.90	82.74	96.49	-42.48	4,234.86	1,705.54	1,578.55	126.98	13.431	
7,700.00	6,227.00	10,918.00	6,370.89	67.24	82.74	96.49	-42.48	4,234.86	1,776.36	1,649.36	127.00	13.987	
7,800.00	6,227.00	10,918.00	6,370.89	67.61	82.74	96.49	-42.48	4,234.86	1,849.88	1,722.99	126.88	14.579	
7,900.00	6,227.00	10,918.00	6,370.89	68.00	82.74	96.49	-42.48	4,234.86	1,925.79	1,799.12	126.66	15.204	
8,000.00	6,227.00	10,918.00	6,370.89	68.43	82.74	96.49	-42.48	4,234.86	2,003.81	1,877.44	126.37	15.857	
8,100.00	6,227.00	10,918.00	6,370.89	68.88	82.74	96.49	-42.48	4,234.86	2,083.71	1,957.70	126.01	16.536	
8,200.00	6,227.00	10,918.00	6,370.89	69.36	82.74	96.49	-42.48	4,234.86	2,165.28	2,039.67	125.61	17.238	
8,300.00	6,227.00	10,918.00	6,370.89	69.88	82.74	96.49	-42.48	4,234.86	2,248.34	2,123.16	125.19	17.960	
8,400.00	6,227.00	10,918.00	6,370.89	70.43	82.74	96.49	-42.48	4,234.86	2,332.73	2,207.99	124.74	18.700	
8,500.00	6,227.00	10,918.00	6,370.89	71.00	82.74	96.49	-42.48	4,234.86	2,418.32	2,294.03	124.29	19.457	
8,600.00	6,227.00	10,918.00	6,370.89	71.62	82.74	96.49	-42.48	4,234.86	2,504.96	2,381.13	123.83	20.229	
8,700.00	6,227.00	10,918.00	6,370.89	72.26	82.74	96.49	-42.48	4,234.86	2,592.58	2,469.20	123.38	21.014	
8,800.00	6,227.00	10,918.00	6,370.89	72.94	82.74	96.49	-42.48	4,234.86	2,681.05	2,558.13	122.92	21.811	
8,900.00	6,227.00	10,918.00	6,370.89	73.66	82.74	96.49	-42.48	4,234.86	2,770.32	2,647.84	122.48	22.619	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
9,000.00	6,227.00	10,918.00	6,370.89	74.41	82.74	96.49	-42.48	4,234.86	2,860.29	2,738.24	122.05	23.436	
9,100.00	6,227.00	10,918.00	6,370.89	75.19	82.74	96.49	-42.48	4,234.86	2,950.91	2,829.28	121.62	24.263	
9,200.00	6,227.00	10,918.00	6,370.89	76.01	82.74	96.49	-42.48	4,234.86	3,042.11	2,920.90	121.21	25.098	
9,300.00	6,227.00	10,918.00	6,370.89	76.86	82.74	96.49	-42.48	4,234.86	3,133.86	3,013.04	120.81	25.940	
9,400.00	6,227.00	10,918.00	6,370.89	77.75	82.74	96.49	-42.48	4,234.86	3,226.09	3,105.66	120.43	26.789	
9,500.00	6,227.00	10,918.00	6,370.89	78.67	82.74	96.49	-42.48	4,234.86	3,318.77	3,198.72	120.06	27.644	
9,600.00	6,227.00	10,918.00	6,370.89	79.63	82.74	96.49	-42.48	4,234.86	3,411.87	3,292.17	119.70	28.504	
9,700.00	6,227.00	10,918.00	6,370.89	80.62	82.74	96.49	-42.48	4,234.86	3,505.35	3,385.99	119.35	29.370	
9,800.00	6,227.00	10,918.00	6,370.89	81.64	82.74	96.49	-42.48	4,234.86	3,599.17	3,480.15	119.02	30.240	
9,900.00	6,227.00	10,918.00	6,370.89	82.69	82.74	96.49	-42.48	4,234.86	3,693.32	3,574.63	118.70	31.115	
10,000.00	6,227.00	10,918.00	6,370.89	83.77	82.74	96.49	-42.48	4,234.86	3,787.78	3,669.38	118.39	31.994	
10,100.00	6,227.00	10,918.00	6,370.89	84.88	82.74	96.49	-42.48	4,234.86	3,882.51	3,764.41	118.10	32.876	
10,200.00	6,227.00	10,918.00	6,370.89	86.02	82.74	96.49	-42.48	4,234.86	3,977.49	3,859.68	117.81	33.761	
10,300.00	6,227.00	10,918.00	6,370.89	87.19	82.74	96.49	-42.48	4,234.86	4,072.72	3,955.18	117.54	34.650	
10,400.00	6,227.00	10,918.00	6,370.89	88.38	82.74	96.49	-42.48	4,234.86	4,168.17	4,050.89	117.28	35.541	
10,500.00	6,227.00	10,918.00	6,370.89	89.60	82.74	96.49	-42.48	4,234.86	4,263.83	4,146.80	117.03	36.435	
10,600.00	6,227.00	10,918.00	6,370.89	90.84	82.74	96.49	-42.48	4,234.86	4,359.68	4,242.90	116.78	37.331	
10,700.00	6,227.00	10,918.00	6,370.89	92.11	82.74	96.49	-42.48	4,234.86	4,455.72	4,339.17	116.55	38.229	
10,800.00	6,227.00	10,918.00	6,370.89	93.39	82.74	96.49	-42.48	4,234.86	4,551.93	4,435.60	116.33	39.130	
10,900.00	6,227.00	10,918.00	6,370.89	94.70	82.74	96.49	-42.48	4,234.86	4,648.29	4,532.18	116.11	40.032	
11,000.00	6,227.00	10,918.00	6,370.89	96.03	82.74	96.49	-42.48	4,234.86	4,744.81	4,628.90	115.91	40.936	
11,100.00	6,227.00	10,918.00	6,370.89	97.37	82.74	96.49	-42.48	4,234.86	4,841.47	4,725.76	115.71	41.841	
11,200.00	6,227.00	10,918.00	6,370.89	98.74	82.74	96.49	-42.48	4,234.86	4,938.26	4,822.74	115.52	42.748	
11,300.00	6,227.00	10,918.00	6,370.89	100.12	82.74	96.49	-42.48	4,234.86	5,035.18	4,919.84	115.34	43.656	
11,400.00	6,227.00	10,918.00	6,370.89	101.51	82.74	96.49	-42.48	4,234.86	5,132.22	5,017.05	115.16	44.565	
11,500.00	6,227.00	10,918.00	6,370.89	102.92	82.74	96.49	-42.48	4,234.86	5,229.36	5,114.37	114.99	45.475	
11,600.00	6,227.00	10,918.00	6,370.89	104.35	82.74	96.49	-42.48	4,234.86	5,326.62	5,211.79	114.83	46.387	
11,700.00	6,227.00	10,918.00	6,370.89	105.79	82.74	96.49	-42.48	4,234.86	5,423.97	5,309.30	114.67	47.299	
11,800.00	6,227.00	10,918.00	6,370.89	107.24	82.74	96.49	-42.48	4,234.86	5,521.42	5,406.89	114.52	48.212	
11,900.00	6,227.00	10,918.00	6,370.89	108.71	82.74	96.49	-42.48	4,234.86	5,618.95	5,504.57	114.38	49.126	
12,000.00	6,227.00	10,918.00	6,370.89	110.19	82.74	96.49	-42.48	4,234.86	5,716.58	5,602.34	114.24	50.040	
12,100.00	6,227.00	10,918.00	6,370.89	111.68	82.74	96.49	-42.48	4,234.86	5,814.28	5,700.17	114.11	50.955	
12,200.00	6,227.00	10,918.00	6,370.89	113.18	82.74	96.49	-42.48	4,234.86	5,912.06	5,798.08	113.98	51.871	
12,300.00	6,227.00	10,918.00	6,370.89	114.68	82.74	96.49	-42.48	4,234.86	6,009.91	5,896.06	113.85	52.787	
12,400.00	6,227.00	10,918.00	6,370.89	116.20	82.74	96.49	-42.48	4,234.86	6,107.83	5,994.10	113.73	53.703	
12,500.00	6,227.00	10,918.00	6,370.89	117.73	82.74	96.49	-42.48	4,234.86	6,205.82	6,092.21	113.62	54.620	
12,600.00	6,227.00	10,918.00	6,370.89	119.27	82.74	96.49	-42.48	4,234.86	6,303.88	6,190.37	113.51	55.537	
12,700.00	6,227.00	10,918.00	6,370.89	120.81	82.74	96.49	-42.48	4,234.86	6,401.99	6,288.59	113.40	56.454	
12,800.00	6,227.00	10,918.00	6,370.89	122.37	82.74	96.49	-42.48	4,234.86	6,500.16	6,386.86	113.30	57.372	
12,900.00	6,227.00	10,918.00	6,370.89	123.93	82.74	96.49	-42.48	4,234.86	6,598.38	6,485.18	113.20	58.290	
13,000.00	6,227.00	10,918.00	6,370.89	125.49	82.74	96.49	-42.48	4,234.86	6,696.66	6,583.55	113.10	59.208	
13,100.00	6,227.00	10,918.00	6,370.89	127.07	82.74	96.49	-42.48	4,234.86	6,794.99	6,681.97	113.01	60.126	
13,200.00	6,227.00	10,918.00	6,370.89	128.65	82.74	96.49	-42.48	4,234.86	6,893.36	6,780.44	112.92	61.044	
13,300.00	6,227.00	10,918.00	6,370.89	130.24	82.74	96.49	-42.48	4,234.86	6,991.78	6,878.94	112.84	61.962	
13,400.00	6,227.00	10,918.00	6,370.89	131.83	82.74	96.49	-42.48	4,234.86	7,090.25	6,977.49	112.76	62.880	
13,500.00	6,227.00	10,918.00	6,370.89	133.43	82.74	96.49	-42.48	4,234.86	7,188.76	7,076.08	112.68	63.799	
13,600.00	6,227.00	10,918.00	6,370.89	135.03	82.74	96.49	-42.48	4,234.86	7,287.31	7,174.70	112.60	64.717	
13,700.00	6,227.00	10,918.00	6,370.89	136.64	82.74	96.49	-42.48	4,234.86	7,385.89	7,273.36	112.53	65.635	
13,800.00	6,227.00	10,918.00	6,370.89	138.25	82.74	96.49	-42.48	4,234.86	7,484.52	7,372.06	112.46	66.553	
13,900.00	6,227.00	10,918.00	6,370.89	139.87	82.74	96.49	-42.48	4,234.86	7,583.18	7,470.79	112.39	67.470	
14,000.00	6,227.00	10,918.00	6,370.89	141.50	82.74	96.49	-42.48	4,234.86	7,681.88	7,569.55	112.33	68.388	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
14,100.00	6,227.00	10,918.00	6,370.89	143.12	82.74	96.49	-42.48	4,234.86	7,780.61	7,668.34	112.27	69.306		
14,200.00	6,227.00	10,918.00	6,370.89	144.76	82.74	96.49	-42.48	4,234.86	7,879.37	7,767.16	112.21	70.223		
14,300.00	6,227.00	10,918.00	6,370.89	146.39	82.74	96.49	-42.48	4,234.86	7,978.16	7,866.01	112.15	71.140		
14,400.00	6,227.00	10,918.00	6,370.89	148.03	82.74	96.49	-42.48	4,234.86	8,076.98	7,964.89	112.09	72.057		
14,500.00	6,227.00	10,918.00	6,370.89	149.67	82.74	96.49	-42.48	4,234.86	8,175.83	8,063.79	112.04	72.973		
14,600.00	6,227.00	10,918.00	6,370.89	151.32	82.74	96.49	-42.48	4,234.86	8,274.71	8,162.72	111.99	73.890		
14,700.00	6,227.00	10,918.00	6,370.89	152.97	82.74	96.49	-42.48	4,234.86	8,373.62	8,261.68	111.94	74.806		
14,800.00	6,227.00	10,918.00	6,370.89	154.62	82.74	96.49	-42.48	4,234.86	8,472.55	8,360.66	111.89	75.721		
14,900.00	6,227.00	10,918.00	6,370.89	156.28	82.74	96.49	-42.48	4,234.86	8,571.50	8,459.66	111.85	76.637		
15,000.00	6,227.00	10,918.00	6,370.89	157.94	82.74	96.49	-42.48	4,234.86	8,670.48	8,558.68	111.80	77.552		
15,100.00	6,227.00	10,918.00	6,370.89	159.60	82.74	96.49	-42.48	4,234.86	8,769.48	8,657.72	111.76	78.466		
15,200.00	6,227.00	10,918.00	6,370.89	161.27	82.74	96.49	-42.48	4,234.86	8,868.51	8,756.79	111.72	79.381		
15,300.00	6,227.00	10,918.00	6,370.89	162.94	82.74	96.49	-42.48	4,234.86	8,967.55	8,855.87	111.68	80.294		
15,400.00	6,227.00	10,918.00	6,370.89	164.61	82.74	96.49	-42.48	4,234.86	9,066.62	8,954.98	111.65	81.208		
15,500.00	6,227.00	10,918.00	6,370.89	166.28	82.74	96.49	-42.48	4,234.86	9,165.71	9,054.10	111.61	82.121		
15,600.00	6,227.00	10,918.00	6,370.89	167.95	82.74	96.49	-42.48	4,234.86	9,264.82	9,153.24	111.58	83.034		
15,700.00	6,227.00	10,918.00	6,370.89	169.63	82.74	96.49	-42.48	4,234.86	9,363.94	9,252.40	111.55	83.946		
15,800.00	6,227.00	10,918.00	6,370.89	171.31	82.74	96.49	-42.48	4,234.86	9,463.09	9,351.57	111.52	84.857		
15,900.00	6,227.00	10,918.00	6,370.89	172.99	82.74	96.49	-42.48	4,234.86	9,562.25	9,450.76	111.49	85.769		
16,000.00	6,227.00	10,918.00	6,370.89	174.68	82.74	96.49	-42.48	4,234.86	9,661.43	9,549.97	111.46	86.679		
16,100.00	6,227.00	10,918.00	6,370.89	176.36	82.74	96.49	-42.48	4,234.86	9,760.63	9,649.19	111.44	87.590		
16,200.00	6,227.00	10,918.00	6,370.89	178.05	82.74	96.49	-42.48	4,234.86	9,859.84	9,748.43	111.41	88.499		
16,300.00	6,227.00	10,918.00	6,370.89	179.74	82.74	96.49	-42.48	4,234.86	9,959.07	9,847.68	111.39	89.408		
16,400.00	6,227.00	10,918.00	6,370.89	181.43	82.74	96.49	-42.48	4,234.86	10,058.31	9,946.95	111.37	90.317		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	94.71	94.71	0.27	0.15	141.58	-4,293.17	3,404.99	5,479.54	5,479.12	0.42	N/A	
200.00	200.00	177.58	177.57	0.63	0.43	141.58	-4,293.36	3,405.14	5,479.83	5,478.77	1.06	5,190.117	
300.00	300.00	273.40	273.40	0.99	0.77	141.58	-4,293.85	3,405.25	5,480.30	5,478.54	1.76	3,121.830	
400.00	399.98	352.14	352.14	1.34	1.05	58.23	-4,294.48	3,405.38	5,480.11	5,477.72	2.39	2,294.364	
500.00	499.84	447.63	447.62	1.69	1.39	58.31	-4,295.56	3,405.61	5,478.39	5,475.31	3.08	1,777.371	
600.00	599.45	511.63	511.61	2.06	1.62	58.41	-4,296.36	3,405.74	5,475.00	5,471.32	3.67	1,490.661	
700.00	698.70	575.00	574.96	2.44	1.85	58.55	-4,297.34	3,407.00	5,470.87	5,466.59	4.27	1,280.197	
800.00	797.47	575.00	574.96	2.85	1.85	58.64	-4,297.34	3,407.00	5,465.88	5,461.21	4.67	1,171.624	
900.00	895.62	632.03	631.93	3.29	2.05	58.82	-4,298.43	3,409.35	5,460.13	5,454.85	5.28	1,033.605	
1,000.00	993.06	668.00	667.83	3.76	2.18	58.99	-4,299.25	3,411.46	5,453.80	5,447.95	5.85	931.957	
1,100.00	1,089.64	705.86	705.58	4.27	2.32	59.18	-4,300.21	3,414.25	5,446.83	5,440.37	6.46	842.871	
1,200.00	1,185.27	761.00	760.45	4.83	2.52	59.43	-4,301.78	3,419.41	5,439.36	5,432.18	7.17	758.424	
1,300.00	1,279.82	761.00	760.45	5.45	2.52	59.57	-4,301.78	3,419.41	5,431.18	5,423.45	7.73	703.019	
1,400.00	1,373.17	807.10	806.23	6.12	2.70	59.84	-4,303.52	3,424.50	5,422.46	5,413.97	8.50	638.214	
1,500.00	1,465.21	855.00	853.72	6.85	2.88	60.14	-4,306.02	3,430.28	5,413.42	5,404.09	9.33	580.514	
1,600.00	1,555.84	855.00	853.72	7.65	2.88	60.31	-4,306.02	3,430.28	5,403.82	5,393.79	10.03	538.619	
1,700.00	1,644.94	915.40	913.50	8.51	3.12	60.70	-4,310.20	3,437.80	5,393.57	5,382.54	11.03	489.027	
1,800.00	1,732.39	948.00	945.74	9.45	3.25	61.02	-4,312.94	3,441.81	5,382.84	5,370.86	11.98	449.202	
1,827.18	1,755.86	948.00	945.74	9.72	3.25	61.08	-4,312.94	3,441.81	5,379.89	5,367.67	12.22	440.270	
1,900.00	1,818.58	986.02	983.27	10.44	3.41	61.24	-4,316.41	3,446.76	5,372.11	5,359.09	13.01	412.786	
2,000.00	1,904.71	1,039.00	1,035.41	11.46	3.63	61.46	-4,321.55	3,454.67	5,362.73	5,348.61	14.13	379.661	
2,100.00	1,990.83	1,059.68	1,055.71	12.49	3.72	61.55	-4,323.63	3,458.01	5,354.40	5,339.27	15.13	353.959	
2,200.00	2,076.96	1,130.00	1,124.66	13.53	4.03	61.83	-4,330.85	3,469.79	5,347.15	5,330.81	16.34	327.212	
2,300.00	2,163.08	1,594.61	1,578.40	14.57	6.21	63.42	-4,350.65	3,566.23	5,340.33	5,321.06	19.27	277.110	
2,400.00	2,249.21	1,652.16	1,634.82	15.62	6.48	63.61	-4,350.63	3,577.59	5,327.16	5,306.67	20.50	259.919	
2,500.00	2,335.33	1,688.00	1,669.88	16.68	6.65	63.73	-4,350.84	3,585.05	5,315.17	5,293.53	21.63	245.686	
2,600.00	2,421.45	1,773.00	1,752.83	17.74	7.06	64.00	-4,351.55	3,603.58	5,304.00	5,281.00	23.01	230.550	
2,700.00	2,507.58	1,804.07	1,783.11	18.81	7.22	64.10	-4,351.97	3,610.55	5,293.67	5,269.53	24.14	219.264	
2,800.00	2,593.70	1,858.00	1,835.61	19.87	7.49	64.27	-4,353.47	3,622.79	5,284.67	5,259.28	25.39	208.130	
2,900.00	2,679.83	10,918.00	6,467.11	20.94	82.06	25.93	-36.85	4,551.62	5,235.98	5,170.04	65.93	79.416	
3,000.00	2,765.95	10,918.00	6,467.11	22.01	82.06	25.93	-36.85	4,551.62	5,139.09	5,072.73	66.36	77.443	
3,100.00	2,852.08	10,918.00	6,467.11	23.09	82.06	25.93	-36.85	4,551.62	5,042.32	4,975.52	66.80	75.478	
3,200.00	2,938.20	10,918.00	6,467.11	24.16	82.06	25.93	-36.85	4,551.62	4,945.69	4,878.42	67.27	73.523	
3,300.00	3,024.32	10,918.00	6,467.11	25.24	82.06	25.93	-36.85	4,551.62	4,849.19	4,781.44	67.75	71.577	
3,400.00	3,110.45	10,918.00	6,467.11	26.32	82.06	25.93	-36.85	4,551.62	4,752.83	4,684.58	68.25	69.642	
3,500.00	3,196.57	10,918.00	6,467.11	27.40	82.06	25.93	-36.85	4,551.62	4,656.63	4,587.86	68.77	67.717	
3,600.00	3,282.70	10,918.00	6,467.11	28.48	82.06	25.93	-36.85	4,551.62	4,560.59	4,491.28	69.31	65.804	
3,700.00	3,368.82	10,918.00	6,467.11	29.56	82.06	25.93	-36.85	4,551.62	4,464.72	4,394.86	69.87	63.903	
3,800.00	3,454.95	10,918.00	6,467.11	30.64	82.06	25.93	-36.85	4,551.62	4,369.05	4,298.59	70.45	62.015	
3,900.00	3,541.07	10,918.00	6,467.11	31.72	82.06	25.93	-36.85	4,551.62	4,273.56	4,202.50	71.06	60.140	
4,000.00	3,627.19	10,918.00	6,467.11	32.80	82.06	25.93	-36.85	4,551.62	4,178.29	4,106.60	71.69	58.279	
4,100.00	3,713.32	10,918.00	6,467.11	33.89	82.06	25.93	-36.85	4,551.62	4,083.25	4,010.89	72.36	56.433	
4,200.00	3,799.44	10,918.00	6,467.11	34.97	82.06	25.93	-36.85	4,551.62	3,988.45	3,915.40	73.05	54.602	
4,300.00	3,885.57	10,918.00	6,467.11	36.05	82.06	25.93	-36.85	4,551.62	3,893.91	3,820.14	73.77	52.786	
4,400.00	3,971.69	10,918.00	6,467.11	37.14	82.06	25.93	-36.85	4,551.62	3,799.64	3,725.12	74.52	50.988	
4,500.00	4,057.82	10,918.00	6,467.11	38.22	82.06	25.93	-36.85	4,551.62	3,705.68	3,630.38	75.31	49.207	
4,600.00	4,143.94	10,918.00	6,467.11	39.31	82.06	25.93	-36.85	4,551.62	3,612.05	3,535.92	76.13	47.445	
4,700.00	4,230.06	10,918.00	6,467.11	40.39	82.06	25.93	-36.85	4,551.62	3,518.76	3,441.77	76.99	45.702	
4,800.00	4,316.19	10,918.00	6,467.11	41.48	82.06	25.93	-36.85	4,551.62	3,425.85	3,347.95	77.90	43.979	
4,900.00	4,402.31	10,918.00	6,467.11	42.57	82.06	25.93	-36.85	4,551.62	3,333.35	3,254.51	78.84	42.278	
5,000.00	4,488.44	10,918.00	6,467.11	43.65	82.06	25.93	-36.85	4,551.62	3,241.30	3,161.46	79.84	40.598	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
5,100.00	4,574.56	10,918.00	6,467.11	44.74	82.06	25.93	-36.85	4,551.62	3,149.74	3,068.85	80.88	38.942	
5,200.00	4,660.69	10,918.00	6,467.11	45.83	82.06	25.93	-36.85	4,551.62	3,058.70	2,976.72	81.98	37.311	
5,300.00	4,746.81	10,918.00	6,467.11	46.91	82.06	25.93	-36.85	4,551.62	2,968.23	2,885.10	83.13	35.705	
5,400.00	4,832.93	10,918.00	6,467.11	48.00	82.06	25.93	-36.85	4,551.62	2,878.40	2,794.06	84.35	34.126	
5,500.00	4,919.06	10,918.00	6,467.11	49.09	82.06	25.93	-36.85	4,551.62	2,789.26	2,703.64	85.62	32.576	
5,600.00	5,005.18	10,918.00	6,467.11	50.17	82.06	25.93	-36.85	4,551.62	2,700.89	2,613.92	86.97	31.057	
5,700.00	5,091.31	10,918.00	6,467.11	51.26	82.06	25.93	-36.85	4,551.62	2,613.35	2,524.96	88.38	29.569	
5,800.00	5,177.43	10,918.00	6,467.11	52.35	82.06	25.93	-36.85	4,551.62	2,526.73	2,436.86	89.87	28.115	
5,900.00	5,263.56	10,918.00	6,467.11	53.44	82.06	25.93	-36.85	4,551.62	2,441.14	2,349.70	91.44	26.697	
6,000.00	5,349.68	10,918.00	6,467.11	54.53	82.06	25.93	-36.85	4,551.62	2,356.68	2,263.59	93.09	25.316	
6,100.00	5,435.80	10,918.00	6,467.11	55.61	82.06	25.93	-36.85	4,551.62	2,273.49	2,178.66	94.83	23.975	
6,200.00	5,521.93	10,918.00	6,467.11	56.70	82.06	25.93	-36.85	4,551.62	2,191.70	2,095.05	96.65	22.677	
6,300.00	5,608.05	10,918.00	6,467.11	57.79	82.06	25.93	-36.85	4,551.62	2,111.47	2,012.92	98.56	21.424	
6,400.00	5,694.18	10,918.00	6,467.11	58.88	82.06	25.93	-36.85	4,551.62	2,033.00	1,932.46	100.55	20.219	
6,479.32	5,762.49	10,918.00	6,467.11	59.74	82.06	25.93	-36.85	4,551.62	1,972.15	1,869.97	102.19	19.299	
6,500.00	5,780.28	10,918.00	6,467.11	59.97	82.06	31.59	-36.85	4,551.62	1,956.59	1,853.96	102.63	19.064	
6,550.00	5,822.98	10,918.00	6,467.11	60.51	82.06	44.40	-36.85	4,551.62	1,920.20	1,816.40	103.79	18.500	
6,600.00	5,865.00	10,918.00	6,467.11	61.05	82.06	55.76	-36.85	4,551.62	1,885.86	1,780.78	105.07	17.948	
6,650.00	5,906.01	10,918.00	6,467.11	61.57	82.06	65.59	-36.85	4,551.62	1,853.95	1,747.49	106.46	17.415	
6,700.00	5,945.70	10,918.00	6,467.11	62.08	82.06	73.92	-36.85	4,551.62	1,824.84	1,716.91	107.94	16.907	
6,750.00	5,983.77	10,918.00	6,467.11	62.56	82.06	80.87	-36.85	4,551.62	1,798.91	1,689.42	109.50	16.429	
6,800.00	6,019.92	10,918.00	6,467.11	63.02	82.06	86.61	-36.85	4,551.62	1,776.49	1,665.38	111.12	15.988	
6,850.00	6,053.90	10,918.00	6,467.11	63.45	82.06	91.28	-36.85	4,551.62	1,757.89	1,645.12	112.78	15.588	
6,900.00	6,085.42	10,918.00	6,467.11	63.86	82.06	95.03	-36.85	4,551.62	1,743.38	1,628.93	114.45	15.233	
6,950.00	6,114.26	10,918.00	6,467.11	64.23	82.06	97.96	-36.85	4,551.62	1,733.16	1,617.05	116.11	14.927	
7,000.00	6,140.20	10,918.00	6,467.11	64.58	82.06	100.16	-36.85	4,551.62	1,727.40	1,609.67	117.73	14.672	
7,038.36	6,158.01	10,918.00	6,467.11	64.82	82.06	101.41	-36.85	4,551.62	1,726.05	1,607.12	118.93	14.513 CC	
7,050.00	6,163.03	10,918.00	6,467.11	64.89	82.06	101.71	-36.85	4,551.62	1,726.18	1,606.89	119.29	14.471 ES	
7,100.00	6,182.59	10,918.00	6,467.11	65.17	82.06	102.65	-36.85	4,551.62	1,729.52	1,608.77	120.75	14.323	
7,150.00	6,198.73	10,918.00	6,467.11	65.42	82.06	103.00	-36.85	4,551.62	1,737.37	1,615.27	122.10	14.229	
7,200.00	6,211.32	10,918.00	6,467.11	65.65	82.06	102.77	-36.85	4,551.62	1,749.61	1,626.29	123.32	14.188 SF	
7,250.00	6,220.26	10,918.00	6,467.11	65.84	82.06	101.97	-36.85	4,551.62	1,766.06	1,641.66	124.40	14.197	
7,300.00	6,225.50	10,918.00	6,467.11	66.01	82.06	100.57	-36.85	4,551.62	1,786.47	1,661.13	125.34	14.253	
7,344.70	6,227.00	10,918.00	6,467.11	66.14	82.06	98.79	-36.85	4,551.62	1,807.85	1,681.80	126.05	14.342	
7,400.00	6,227.00	10,918.00	6,467.11	66.29	82.06	98.79	-36.85	4,551.62	1,836.63	1,709.81	126.83	14.482	
7,500.00	6,227.00	10,918.00	6,467.11	66.58	82.06	98.79	-36.85	4,551.62	1,891.69	1,763.64	128.05	14.774	
7,600.00	6,227.00	10,918.00	6,467.11	66.90	82.06	98.79	-36.85	4,551.62	1,950.32	1,821.27	129.05	15.113	
7,700.00	6,227.00	10,918.00	6,467.11	67.24	82.06	98.79	-36.85	4,551.62	2,012.21	1,882.36	129.85	15.496	
7,800.00	6,227.00	10,918.00	6,467.11	67.61	82.06	98.79	-36.85	4,551.62	2,077.07	1,946.59	130.48	15.918	
7,900.00	6,227.00	10,918.00	6,467.11	68.00	82.06	98.79	-36.85	4,551.62	2,144.64	2,013.68	130.96	16.376	
8,000.00	6,227.00	10,918.00	6,467.11	68.43	82.06	98.79	-36.85	4,551.62	2,214.67	2,083.36	131.31	16.866	
8,100.00	6,227.00	10,918.00	6,467.11	68.88	82.06	98.79	-36.85	4,551.62	2,286.92	2,155.38	131.54	17.386	
8,200.00	6,227.00	10,918.00	6,467.11	69.36	82.06	98.79	-36.85	4,551.62	2,361.20	2,229.52	131.68	17.931	
8,300.00	6,227.00	10,918.00	6,467.11	69.88	82.06	98.79	-36.85	4,551.62	2,437.32	2,305.58	131.74	18.501	
8,400.00	6,227.00	10,918.00	6,467.11	70.43	82.06	98.79	-36.85	4,551.62	2,515.11	2,383.37	131.73	19.093	
8,500.00	6,227.00	10,918.00	6,467.11	71.00	82.06	98.79	-36.85	4,551.62	2,594.42	2,462.75	131.67	19.704	
8,600.00	6,227.00	10,918.00	6,467.11	71.62	82.06	98.79	-36.85	4,551.62	2,675.12	2,543.56	131.56	20.333	
8,700.00	6,227.00	10,918.00	6,467.11	72.26	82.06	98.79	-36.85	4,551.62	2,757.09	2,625.66	131.42	20.979	
8,800.00	6,227.00	10,918.00	6,467.11	72.94	82.06	98.79	-36.85	4,551.62	2,840.21	2,708.96	131.25	21.640	
8,900.00	6,227.00	10,918.00	6,467.11	73.66	82.06	98.79	-36.85	4,551.62	2,924.39	2,793.33	131.06	22.314	
9,000.00	6,227.00	10,918.00	6,467.11	74.41	82.06	98.79	-36.85	4,551.62	3,009.53	2,878.69	130.84	23.001	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
9,100.00	6,227.00	10,918.00	6,467.11	75.19	82.06	98.79	-36.85	4,551.62	3,095.57	2,964.95	130.62	23.700		
9,200.00	6,227.00	10,918.00	6,467.11	76.01	82.06	98.79	-36.85	4,551.62	3,182.42	3,052.04	130.38	24.409		
9,300.00	6,227.00	10,918.00	6,467.11	76.86	82.06	98.79	-36.85	4,551.62	3,270.02	3,139.88	130.14	25.127		
9,400.00	6,227.00	10,918.00	6,467.11	77.75	82.06	98.79	-36.85	4,551.62	3,358.32	3,228.43	129.89	25.855		
9,500.00	6,227.00	10,918.00	6,467.11	78.67	82.06	98.79	-36.85	4,551.62	3,447.25	3,317.61	129.64	26.591		
9,600.00	6,227.00	10,918.00	6,467.11	79.63	82.06	98.79	-36.85	4,551.62	3,536.78	3,407.39	129.39	27.334		
9,700.00	6,227.00	10,918.00	6,467.11	80.62	82.06	98.79	-36.85	4,551.62	3,626.85	3,497.71	129.14	28.085		
9,800.00	6,227.00	10,918.00	6,467.11	81.64	82.06	98.79	-36.85	4,551.62	3,717.43	3,588.54	128.89	28.842		
9,900.00	6,227.00	10,918.00	6,467.11	82.69	82.06	98.79	-36.85	4,551.62	3,808.49	3,679.84	128.64	29.605		
10,000.00	6,227.00	10,918.00	6,467.11	83.77	82.06	98.79	-36.85	4,551.62	3,899.98	3,771.57	128.40	30.373		
10,100.00	6,227.00	10,918.00	6,467.11	84.88	82.06	98.79	-36.85	4,551.62	3,991.88	3,863.71	128.16	31.147		
10,200.00	6,227.00	10,918.00	6,467.11	86.02	82.06	98.79	-36.85	4,551.62	4,084.16	3,956.23	127.93	31.925		
10,300.00	6,227.00	10,918.00	6,467.11	87.19	82.06	98.79	-36.85	4,551.62	4,176.79	4,049.09	127.70	32.708		
10,400.00	6,227.00	10,918.00	6,467.11	88.38	82.06	98.79	-36.85	4,551.62	4,269.76	4,142.28	127.47	33.495		
10,500.00	6,227.00	10,918.00	6,467.11	89.60	82.06	98.79	-36.85	4,551.62	4,363.04	4,235.78	127.25	34.286		
10,600.00	6,227.00	10,918.00	6,467.11	90.84	82.06	98.79	-36.85	4,551.62	4,456.61	4,329.57	127.04	35.080		
10,700.00	6,227.00	10,918.00	6,467.11	92.11	82.06	98.79	-36.85	4,551.62	4,550.45	4,423.62	126.83	35.878		
10,800.00	6,227.00	10,918.00	6,467.11	93.39	82.06	98.79	-36.85	4,551.62	4,644.55	4,517.92	126.63	36.679		
10,900.00	6,227.00	10,918.00	6,467.11	94.70	82.06	98.79	-36.85	4,551.62	4,738.89	4,612.46	126.43	37.482		
11,000.00	6,227.00	10,918.00	6,467.11	96.03	82.06	98.79	-36.85	4,551.62	4,833.46	4,707.23	126.24	38.289		
11,100.00	6,227.00	10,918.00	6,467.11	97.37	82.06	98.79	-36.85	4,551.62	4,928.25	4,802.20	126.05	39.098		
11,200.00	6,227.00	10,918.00	6,467.11	98.74	82.06	98.79	-36.85	4,551.62	5,023.23	4,897.36	125.87	39.909		
11,300.00	6,227.00	10,918.00	6,467.11	100.12	82.06	98.79	-36.85	4,551.62	5,118.41	4,992.72	125.69	40.722		
11,400.00	6,227.00	10,918.00	6,467.11	101.51	82.06	98.79	-36.85	4,551.62	5,213.77	5,088.25	125.52	41.538		
11,500.00	6,227.00	10,918.00	6,467.11	102.92	82.06	98.79	-36.85	4,551.62	5,309.30	5,183.94	125.35	42.355		
11,600.00	6,227.00	10,918.00	6,467.11	104.35	82.06	98.79	-36.85	4,551.62	5,404.99	5,279.80	125.19	43.174		
11,700.00	6,227.00	10,918.00	6,467.11	105.79	82.06	98.79	-36.85	4,551.62	5,500.83	5,375.80	125.03	43.995		
11,800.00	6,227.00	10,918.00	6,467.11	107.24	82.06	98.79	-36.85	4,551.62	5,596.82	5,471.94	124.88	44.818		
11,900.00	6,227.00	10,918.00	6,467.11	108.71	82.06	98.79	-36.85	4,551.62	5,692.95	5,568.21	124.73	45.641		
12,000.00	6,227.00	10,918.00	6,467.11	110.19	82.06	98.79	-36.85	4,551.62	5,789.20	5,664.62	124.59	46.467		
12,100.00	6,227.00	10,918.00	6,467.11	111.68	82.06	98.79	-36.85	4,551.62	5,885.59	5,761.14	124.45	47.293		
12,200.00	6,227.00	10,918.00	6,467.11	113.18	82.06	98.79	-36.85	4,551.62	5,982.09	5,857.78	124.31	48.121		
12,300.00	6,227.00	10,918.00	6,467.11	114.68	82.06	98.79	-36.85	4,551.62	6,078.71	5,954.52	124.18	48.949		
12,400.00	6,227.00	10,918.00	6,467.11	116.20	82.06	98.79	-36.85	4,551.62	6,175.43	6,051.37	124.06	49.779		
12,500.00	6,227.00	10,918.00	6,467.11	117.73	82.06	98.79	-36.85	4,551.62	6,272.25	6,148.32	123.93	50.610		
12,600.00	6,227.00	10,918.00	6,467.11	119.27	82.06	98.79	-36.85	4,551.62	6,369.18	6,245.36	123.81	51.441		
12,700.00	6,227.00	10,918.00	6,467.11	120.81	82.06	98.79	-36.85	4,551.62	6,466.19	6,342.50	123.70	52.274		
12,800.00	6,227.00	10,918.00	6,467.11	122.37	82.06	98.79	-36.85	4,551.62	6,563.30	6,439.71	123.59	53.107		
12,900.00	6,227.00	10,918.00	6,467.11	123.93	82.06	98.79	-36.85	4,551.62	6,660.49	6,537.02	123.48	53.941		
13,000.00	6,227.00	10,918.00	6,467.11	125.49	82.06	98.79	-36.85	4,551.62	6,757.77	6,634.39	123.37	54.775		
13,100.00	6,227.00	10,918.00	6,467.11	127.07	82.06	98.79	-36.85	4,551.62	6,855.12	6,731.85	123.27	55.610		
13,200.00	6,227.00	10,918.00	6,467.11	128.65	82.06	98.79	-36.85	4,551.62	6,952.55	6,829.38	123.17	56.446		
13,300.00	6,227.00	10,918.00	6,467.11	130.24	82.06	98.79	-36.85	4,551.62	7,050.05	6,926.97	123.08	57.282		
13,400.00	6,227.00	10,918.00	6,467.11	131.83	82.06	98.79	-36.85	4,551.62	7,147.62	7,024.63	122.98	58.118		
13,500.00	6,227.00	10,918.00	6,467.11	133.43	82.06	98.79	-36.85	4,551.62	7,245.25	7,122.36	122.89	58.955		
13,600.00	6,227.00	10,918.00	6,467.11	135.03	82.06	98.79	-36.85	4,551.62	7,342.95	7,220.15	122.81	59.792		
13,700.00	6,227.00	10,918.00	6,467.11	136.64	82.06	98.79	-36.85	4,551.62	7,440.71	7,317.99	122.72	60.630		
13,800.00	6,227.00	10,918.00	6,467.11	138.25	82.06	98.79	-36.85	4,551.62	7,538.53	7,415.89	122.64	61.468		
13,900.00	6,227.00	10,918.00	6,467.11	139.87	82.06	98.79	-36.85	4,551.62	7,636.41	7,513.84	122.56	62.306		
14,000.00	6,227.00	10,918.00	6,467.11	141.50	82.06	98.79	-36.85	4,551.62	7,734.34	7,611.85	122.49	63.145		
14,100.00	6,227.00	10,918.00	6,467.11	143.12	82.06	98.79	-36.85	4,551.62	7,832.32	7,709.91	122.41	63.983		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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: 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		
14,200.00	6,227.00	10,918.00	6,467.11	144.76	82.06	98.79	-36.85	4,551.62	7,930.35	7,808.01	122.34	64.822		
14,300.00	6,227.00	10,918.00	6,467.11	146.39	82.06	98.79	-36.85	4,551.62	8,028.43	7,906.16	122.27	65.661		
14,400.00	6,227.00	10,918.00	6,467.11	148.03	82.06	98.79	-36.85	4,551.62	8,126.56	8,004.36	122.20	66.500		
14,500.00	6,227.00	10,918.00	6,467.11	149.67	82.06	98.79	-36.85	4,551.62	8,224.73	8,102.59	122.14	67.339		
14,600.00	6,227.00	10,918.00	6,467.11	151.32	82.06	98.79	-36.85	4,551.62	8,322.95	8,200.87	122.08	68.178		
14,700.00	6,227.00	10,918.00	6,467.11	152.97	82.06	98.79	-36.85	4,551.62	8,421.21	8,299.19	122.02	69.018		
14,800.00	6,227.00	10,918.00	6,467.11	154.62	82.06	98.79	-36.85	4,551.62	8,519.51	8,397.55	121.96	69.857		
14,900.00	6,227.00	10,918.00	6,467.11	156.28	82.06	98.79	-36.85	4,551.62	8,617.84	8,495.94	121.90	70.696		
15,000.00	6,227.00	10,918.00	6,467.11	157.94	82.06	98.79	-36.85	4,551.62	8,716.22	8,594.38	121.85	71.535		
15,100.00	6,227.00	10,918.00	6,467.11	159.60	82.06	98.79	-36.85	4,551.62	8,814.63	8,692.84	121.79	72.374		
15,200.00	6,227.00	10,918.00	6,467.11	161.27	82.06	98.79	-36.85	4,551.62	8,913.08	8,791.34	121.74	73.213		
15,300.00	6,227.00	10,918.00	6,467.11	162.94	82.06	98.79	-36.85	4,551.62	9,011.56	8,889.87	121.69	74.052		
15,400.00	6,227.00	10,918.00	6,467.11	164.61	82.06	98.79	-36.85	4,551.62	9,110.08	8,988.43	121.64	74.891		
15,500.00	6,227.00	10,918.00	6,467.11	166.28	82.06	98.79	-36.85	4,551.62	9,208.62	9,087.03	121.60	75.730		
15,600.00	6,227.00	10,918.00	6,467.11	167.95	82.06	98.79	-36.85	4,551.62	9,307.20	9,185.65	121.55	76.568		
15,700.00	6,227.00	10,918.00	6,467.11	169.63	82.06	98.79	-36.85	4,551.62	9,405.81	9,284.30	121.51	77.407		
15,800.00	6,227.00	10,918.00	6,467.11	171.31	82.06	98.79	-36.85	4,551.62	9,504.45	9,382.98	121.47	78.245		
15,900.00	6,227.00	10,918.00	6,467.11	172.99	82.06	98.79	-36.85	4,551.62	9,603.11	9,481.68	121.43	79.083		
16,000.00	6,227.00	10,918.00	6,467.11	174.68	82.06	98.79	-36.85	4,551.62	9,701.81	9,580.41	121.39	79.921		
16,100.00	6,227.00	10,918.00	6,467.11	176.36	82.06	98.79	-36.85	4,551.62	9,800.53	9,679.17	121.36	80.758		
16,200.00	6,227.00	10,918.00	6,467.11	178.05	82.06	98.79	-36.85	4,551.62	9,899.27	9,777.95	121.32	81.596		
16,300.00	6,227.00	10,918.00	6,467.11	179.74	82.06	98.79	-36.85	4,551.62	9,998.04	9,876.75	121.29	82.433		
16,400.00	6,227.00	10,918.00	6,467.11	181.43	82.06	98.79	-36.85	4,551.62	10,096.83	9,975.58	121.25	83.270		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
0.00	0.00	0.00	0.00	0.00	0.00	-0.89	5,105.79	-79.13	5,106.41				
100.00	100.00	112.04	112.04	0.27	0.23	-0.88	5,105.58	-78.43	5,106.21	5,105.72	0.50	N/A	
200.00	200.00	214.70	214.69	0.63	0.59	-0.87	5,105.19	-77.45	5,105.82	5,104.60	1.22	4,197.985	
300.00	300.00	318.72	318.71	0.99	0.95	-0.87	5,104.69	-77.13	5,105.34	5,103.41	1.93	2,639.305	
400.00	399.98	414.75	414.74	1.34	1.28	-84.27	5,104.24	-77.03	5,104.70	5,102.08	2.62	1,947.950	
500.00	499.84	507.55	507.54	1.69	1.61	-84.34	5,103.91	-76.93	5,103.82	5,100.52	3.30	1,547.580	
600.00	599.45	600.00	599.99	2.06	1.93	-84.46	5,103.74	-76.94	5,102.77	5,098.79	3.99	1,279.861	
700.00	698.70	689.86	689.84	2.44	2.24	-84.60	5,103.71	-77.09	5,101.57	5,096.89	4.68	1,089.241	
800.00	797.47	792.39	792.38	2.85	2.60	-84.82	5,103.72	-77.40	5,100.12	5,094.68	5.45	936.210	
900.00	895.62	889.10	889.08	3.29	2.94	-85.06	5,103.68	-77.67	5,098.38	5,092.16	6.22	819.525	
1,000.00	993.06	979.19	979.18	3.76	3.25	-85.33	5,103.73	-77.91	5,096.51	5,089.50	7.01	727.318	
1,100.00	1,089.64	1,069.05	1,069.03	4.27	3.56	-85.63	5,103.90	-78.35	5,094.61	5,086.77	7.83	650.306	
1,200.00	1,185.27	1,153.12	1,153.10	4.83	3.86	-85.95	5,104.19	-78.66	5,092.74	5,084.05	8.69	586.183	
1,300.00	1,279.82	1,237.12	1,237.11	5.45	4.15	-86.29	5,104.71	-78.63	5,091.06	5,081.47	9.59	530.653	
1,400.00	1,373.17	1,331.96	1,331.94	6.12	4.48	-86.70	5,105.39	-78.92	5,089.50	5,078.91	10.60	480.363	
1,500.00	1,465.21	1,425.46	1,425.44	6.85	4.81	-87.14	5,105.91	-78.82	5,087.84	5,076.18	11.65	436.596	
1,600.00	1,555.84	1,500.00	1,499.97	7.65	5.07	-87.52	5,106.64	-78.61	5,086.67	5,073.96	12.71	400.183	
1,700.00	1,644.94	1,627.88	1,627.85	8.51	5.51	-88.19	5,107.50	-78.05	5,085.48	5,071.46	14.02	362.639	
1,800.00	1,732.39	1,719.68	1,719.65	9.45	5.83	-88.71	5,107.69	-77.28	5,084.15	5,068.87	15.28	332.695	
1,827.18	1,755.86	1,742.79	1,742.75	9.72	5.91	-88.85	5,107.74	-77.04	5,083.85	5,068.22	15.63	325.283	
1,900.00	1,818.58	1,810.92	1,810.88	10.44	6.15	-89.23	5,107.91	-76.22	5,083.22	5,066.63	16.60	306.304	
2,000.00	1,904.71	1,942.16	1,942.10	11.46	6.61	-89.97	5,107.27	-74.42	5,082.05	5,063.98	18.07	281.260	
2,100.00	1,990.83	2,018.60	2,018.53	12.49	6.88	-90.39	5,106.84	-72.97	5,081.33	5,061.97	19.36	262.404	
2,159.18	2,041.80	2,063.65	2,063.57	13.10	7.04	-90.64	5,106.67	-71.98	5,081.21	5,061.08	20.14	252.339	
2,200.00	2,076.96	2,100.00	2,099.91	13.53	7.17	-90.84	5,106.59	-71.13	5,081.27	5,060.58	20.69	245.624	
2,300.00	2,163.08	2,169.44	2,169.33	14.57	7.41	-91.22	5,106.55	-69.56	5,081.88	5,059.91	21.97	231.264	
2,400.00	2,249.21	2,241.61	2,241.48	15.62	7.67	-91.62	5,106.66	-68.10	5,083.19	5,059.92	23.28	218.395	
2,500.00	2,335.33	2,313.28	2,313.14	16.68	7.92	-92.02	5,106.98	-66.80	5,085.25	5,060.68	24.58	206.912	
2,600.00	2,421.45	2,390.18	2,390.03	17.74	8.19	-92.45	5,107.47	-65.69	5,088.00	5,062.10	25.90	196.463	
2,700.00	2,507.58	2,475.78	2,475.62	18.81	8.48	-92.93	5,108.06	-64.78	5,091.34	5,064.09	27.25	186.836	
2,800.00	2,593.70	2,563.07	2,562.91	19.87	8.79	-93.42	5,108.63	-63.99	5,095.16	5,066.55	28.61	178.098	
2,900.00	2,679.83	2,650.05	2,649.88	20.94	9.09	-93.90	5,109.18	-63.27	5,099.45	5,069.49	29.97	170.177	
3,000.00	2,765.95	2,743.53	2,743.36	22.01	9.42	-94.43	5,109.75	-62.40	5,104.21	5,072.86	31.34	162.842	
3,100.00	2,852.08	2,846.94	2,846.77	23.09	9.78	-95.01	5,110.09	-61.48	5,109.21	5,076.46	32.76	155.974	
3,200.00	2,938.20	2,945.22	2,945.04	24.16	10.12	-95.56	5,110.07	-60.76	5,114.44	5,080.29	34.15	149.769	
3,300.00	3,024.32	3,028.98	3,028.80	25.24	10.42	-96.03	5,109.98	-60.09	5,120.05	5,084.57	35.49	144.278	
3,400.00	3,110.45	3,100.00	3,099.82	26.32	10.66	-96.43	5,110.01	-59.70	5,126.35	5,089.57	36.78	139.386	
3,500.00	3,196.57	3,170.45	3,170.27	27.40	10.91	-96.82	5,110.16	-59.77	5,133.39	5,095.33	38.06	134.867	
3,600.00	3,282.70	3,242.80	3,242.61	28.48	11.16	-97.24	5,110.37	-60.42	5,141.20	5,101.85	39.35	130.654	
3,700.00	3,368.82	3,322.72	3,322.52	29.56	11.44	-97.69	5,110.77	-61.23	5,149.69	5,109.03	40.66	126.653	
3,800.00	3,454.95	3,415.84	3,415.65	30.64	11.77	-98.23	5,111.08	-62.34	5,158.60	5,116.59	42.01	122.786	
3,900.00	3,541.07	3,489.51	3,489.31	31.72	12.02	-98.64	5,111.50	-62.87	5,168.08	5,124.79	43.29	119.380	
4,000.00	3,627.19	3,561.83	3,561.63	32.80	12.28	-99.05	5,112.17	-63.14	5,178.27	5,133.71	44.56	116.210	
4,100.00	3,713.32	3,637.51	3,637.29	33.89	12.54	-99.47	5,112.98	-63.73	5,189.15	5,143.32	45.83	113.215	
4,200.00	3,799.44	3,717.42	3,717.20	34.97	12.82	-99.92	5,113.84	-64.67	5,200.64	5,153.52	47.12	110.371	
4,300.00	3,885.57	3,800.00	3,799.76	36.05	13.11	-100.40	5,114.53	-66.49	5,212.71	5,164.30	48.41	107.682	
4,400.00	3,971.69	3,933.96	3,933.63	37.14	13.58	-101.18	5,114.51	-71.17	5,225.02	5,175.14	49.88	104.748	
4,500.00	4,057.82	4,074.36	4,073.97	38.22	14.07	-101.99	5,113.11	-74.79	5,236.70	5,185.33	51.37	101.944	
4,600.00	4,143.94	4,134.87	4,134.46	39.31	14.29	-102.33	5,112.40	-76.10	5,248.71	5,196.15	52.56	99.861	
4,700.00	4,230.06	4,200.00	4,199.58	40.39	14.51	-102.70	5,112.22	-77.62	5,261.91	5,208.14	53.76	97.876	
4,800.00	4,316.19	4,287.50	4,287.07	41.48	14.82	-103.19	5,112.44	-78.92	5,275.81	5,220.77	55.04	95.861	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
4,900.00	4,402.31	4,381.34	4,380.91	42.57	15.15	-103.69	5,112.87	-78.63	5,289.75	5,233.42	56.33	93.905	
5,000.00	4,488.44	4,508.30	4,507.85	43.65	15.59	-104.35	5,113.57	-76.76	5,303.84	5,246.10	57.74	91.852	
5,100.00	4,574.56	4,594.53	4,594.07	44.74	15.89	-104.80	5,113.75	-75.31	5,317.99	5,258.99	59.00	90.136	
5,200.00	4,660.69	4,723.77	4,723.27	45.83	16.34	-105.47	5,113.80	-72.55	5,332.29	5,271.88	60.41	88.272	
5,300.00	4,746.81	4,834.14	4,833.58	46.91	16.73	-106.02	5,113.24	-68.92	5,346.06	5,284.32	61.74	86.588	
5,400.00	4,832.93	4,900.00	4,899.43	48.00	16.96	-106.36	5,113.00	-67.32	5,360.67	5,297.76	62.91	85.217	
5,500.00	4,919.06	4,936.53	4,935.96	49.09	17.09	-106.55	5,112.99	-66.76	5,376.21	5,312.25	63.95	84.065	
5,600.00	5,005.18	5,000.00	4,999.42	50.17	17.31	-106.88	5,113.21	-66.28	5,392.81	5,327.72	65.09	82.855	
5,700.00	5,091.31	5,043.55	5,042.96	51.26	17.46	-107.10	5,113.53	-66.22	5,410.32	5,344.18	66.14	81.805	
5,800.00	5,177.43	5,107.44	5,106.85	52.35	17.69	-107.43	5,114.17	-66.39	5,428.68	5,361.43	67.25	80.721	
5,900.00	5,263.56	5,219.58	5,218.99	53.44	18.08	-108.02	5,114.87	-67.21	5,447.37	5,378.82	68.55	79.469	
6,000.00	5,349.68	5,300.00	5,299.41	54.53	18.36	-108.44	5,115.30	-67.55	5,466.30	5,396.59	69.71	78.413	
6,100.00	5,435.80	5,378.70	5,378.11	55.61	18.63	-108.84	5,115.88	-67.80	5,485.74	5,414.88	70.86	77.414	
6,200.00	5,521.93	5,462.64	5,462.03	56.70	18.93	-109.27	5,116.56	-68.25	5,505.74	5,433.71	72.03	76.442	
6,300.00	5,608.05	5,548.93	5,548.33	57.79	19.23	-109.71	5,117.36	-68.51	5,526.12	5,452.93	73.19	75.503	
6,400.00	5,694.18	5,642.28	5,641.67	58.88	19.55	-110.18	5,118.26	-68.68	5,546.87	5,472.50	74.38	74.578	
6,479.32	5,762.49	5,719.97	5,719.36	59.74	19.83	-110.57	5,118.60	-69.19	5,563.46	5,488.13	75.32	73.859	
6,500.00	5,780.28	5,736.56	5,735.94	59.97	19.88	-107.01	5,118.64	-69.32	5,567.49	5,491.93	75.56	73.684	
6,550.00	5,822.98	5,776.39	5,775.78	60.51	20.02	-98.92	5,118.79	-69.63	5,574.60	5,498.46	76.14	73.219	
6,600.00	5,865.00	5,817.59	5,816.97	61.05	20.17	-91.77	5,118.96	-69.92	5,577.96	5,501.22	76.73	72.692	
6,650.00	5,906.01	5,860.72	5,860.10	61.57	20.32	-85.70	5,119.14	-70.23	5,577.54	5,500.19	77.35	72.109	
6,700.00	5,945.70	5,903.82	5,903.20	62.08	20.47	-80.72	5,119.29	-70.54	5,573.37	5,495.40	77.97	71.484	
6,750.00	5,983.77	5,965.49	5,964.87	62.56	20.68	-76.92	5,119.32	-71.00	5,565.42	5,486.76	78.66	70.757	
6,800.00	6,019.92	6,018.47	6,017.85	63.02	20.87	-74.03	5,119.09	-71.41	5,553.73	5,474.43	79.30	70.033	
6,850.00	6,053.90	6,061.17	6,060.54	63.45	21.01	-71.94	5,118.86	-71.63	5,538.48	5,458.58	79.90	69.320	
6,900.00	6,085.42	6,100.88	6,100.26	63.86	21.15	-70.64	5,118.64	-71.73	5,519.84	5,439.37	80.47	68.597	
6,950.00	6,114.26	6,127.16	6,126.53	64.23	21.24	-69.98	5,118.50	-71.78	5,497.98	5,417.02	80.97	67.902	
7,000.00	6,140.20	6,150.95	6,150.33	64.58	21.33	-70.00	5,118.37	-71.83	5,473.12	5,391.68	81.44	67.204	
7,050.00	6,163.03	6,171.86	6,171.23	64.89	21.40	-70.70	5,118.26	-71.88	5,445.44	5,363.56	81.88	66.505	
7,100.00	6,182.59	6,189.71	6,189.09	65.17	21.46	-72.09	5,118.16	-71.94	5,415.14	5,332.85	82.29	65.809	
7,150.00	6,198.73	6,200.00	6,199.37	65.42	21.50	-74.13	5,118.11	-71.98	5,382.44	5,299.80	82.64	65.132	
7,200.00	6,211.32	6,213.67	6,213.05	65.65	21.55	-77.02	5,118.04	-72.03	5,347.59	5,264.61	82.98	64.442	
7,250.00	6,220.26	6,220.62	6,220.00	65.84	21.57	-80.68	5,118.00	-72.06	5,310.84	5,227.56	83.28	63.772	
7,300.00	6,225.50	6,224.61	6,223.99	66.01	21.58	-85.23	5,117.98	-72.08	5,272.43	5,188.89	83.54	63.112	
7,344.70	6,227.00	6,225.64	6,225.01	66.14	21.59	-90.09	5,117.98	-72.09	5,236.92	5,153.17	83.75	62.531	
7,400.00	6,227.00	6,225.42	6,224.79	66.29	21.59	-90.09	5,117.98	-72.09	5,192.49	5,108.49	83.99	61.820	
7,500.00	6,227.00	6,225.02	6,224.39	66.58	21.58	-90.08	5,117.98	-72.08	5,112.67	5,028.22	84.45	60.542	
7,600.00	6,227.00	6,224.62	6,223.99	66.90	21.58	-90.07	5,117.98	-72.08	5,033.58	4,948.66	84.92	59.273	
7,700.00	6,227.00	6,224.22	6,223.59	67.24	21.58	-90.07	5,117.98	-72.08	4,955.25	4,869.83	85.42	58.012	
7,800.00	6,227.00	6,223.82	6,223.19	67.61	21.58	-90.06	5,117.99	-72.08	4,877.70	4,791.77	85.93	56.762	
7,900.00	6,227.00	6,223.42	6,222.79	68.00	21.58	-90.05	5,117.99	-72.08	4,800.99	4,714.52	86.47	55.523	
8,000.00	6,227.00	6,223.01	6,222.39	68.43	21.58	-90.04	5,117.99	-72.07	4,725.14	4,638.12	87.03	54.296	
8,100.00	6,227.00	6,222.61	6,221.98	68.88	21.58	-90.04	5,117.99	-72.07	4,650.22	4,562.61	87.61	53.081	
8,200.00	6,227.00	6,222.21	6,221.58	69.36	21.58	-90.03	5,117.99	-72.07	4,576.25	4,488.04	88.21	51.879	
8,300.00	6,227.00	6,221.80	6,221.17	69.88	21.57	-90.02	5,118.00	-72.07	4,503.28	4,414.44	88.84	50.692	
8,400.00	6,227.00	6,221.39	6,220.77	70.43	21.57	-90.01	5,118.00	-72.07	4,431.37	4,341.89	89.48	49.521	
8,500.00	6,227.00	6,220.99	6,220.36	71.00	21.57	-90.01	5,118.00	-72.06	4,360.57	4,270.41	90.16	48.366	
8,600.00	6,227.00	6,220.58	6,219.95	71.62	21.57	-90.00	5,118.00	-72.06	4,290.93	4,200.07	90.85	47.228	
8,700.00	6,227.00	6,220.17	6,219.54	72.26	21.57	-89.99	5,118.00	-72.06	4,222.51	4,130.93	91.58	46.110	
8,800.00	6,227.00	6,219.76	6,219.13	72.94	21.57	-89.98	5,118.01	-72.06	4,155.37	4,063.05	92.32	45.011	
8,900.00	6,227.00	6,219.35	6,218.72	73.66	21.57	-89.98	5,118.01	-72.06	4,089.57	3,996.48	93.09	43.933	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	6,218.93	6,218.31	74.41	21.56	-89.97	5,118.01	-72.05	4,025.18	3,931.31	93.88	42.877		
9,100.00	6,227.00	6,218.52	6,217.89	75.19	21.56	-89.96	5,118.01	-72.05	3,962.27	3,867.58	94.69	41.844		
9,200.00	6,227.00	6,218.11	6,217.48	76.01	21.56	-89.95	5,118.01	-72.05	3,900.91	3,805.39	95.53	40.837		
9,300.00	6,227.00	6,217.69	6,217.06	76.86	21.56	-89.95	5,118.02	-72.05	3,841.18	3,744.80	96.38	39.855		
9,400.00	6,227.00	6,217.27	6,216.65	77.75	21.56	-89.94	5,118.02	-72.05	3,783.14	3,685.89	97.25	38.900		
9,500.00	6,227.00	6,216.86	6,216.23	78.67	21.56	-89.93	5,118.02	-72.04	3,726.88	3,628.74	98.14	37.974		
9,600.00	6,227.00	6,216.44	6,215.81	79.63	21.55	-89.92	5,118.02	-72.04	3,672.49	3,573.44	99.05	37.077		
9,700.00	6,227.00	6,216.02	6,215.39	80.62	21.55	-89.91	5,118.02	-72.04	3,620.04	3,520.07	99.97	36.212		
9,800.00	6,227.00	6,215.60	6,214.97	81.64	21.55	-89.91	5,118.03	-72.04	3,569.62	3,468.72	100.90	35.378		
9,900.00	6,227.00	6,215.18	6,214.55	82.69	21.55	-89.90	5,118.03	-72.04	3,521.32	3,419.48	101.84	34.579		
10,000.00	6,227.00	6,214.76	6,214.13	83.77	21.55	-89.89	5,118.03	-72.03	3,475.22	3,372.45	102.78	33.813		
10,100.00	6,227.00	6,214.33	6,213.71	84.88	21.55	-89.88	5,118.03	-72.03	3,431.43	3,327.71	103.72	33.084		
10,200.00	6,227.00	6,213.91	6,213.28	86.02	21.55	-89.88	5,118.04	-72.03	3,390.01	3,285.36	104.66	32.392		
10,300.00	6,227.00	6,213.49	6,212.86	87.19	21.54	-89.87	5,118.04	-72.03	3,351.07	3,245.49	105.59	31.737		
10,400.00	6,227.00	6,213.06	6,212.43	88.38	21.54	-89.86	5,118.04	-72.03	3,314.69	3,208.19	106.51	31.122		
10,500.00	6,227.00	6,212.63	6,212.01	89.60	21.54	-89.85	5,118.04	-72.03	3,280.96	3,173.55	107.41	30.547		
10,600.00	6,227.00	6,212.20	6,211.58	90.84	21.54	-89.84	5,118.04	-72.02	3,249.95	3,141.66	108.29	30.012		
10,700.00	6,227.00	6,211.77	6,211.15	92.11	21.54	-89.84	5,118.05	-72.02	3,221.75	3,112.61	109.14	29.519		
10,800.00	6,227.00	6,211.34	6,210.72	93.39	21.54	-89.83	5,118.05	-72.02	3,196.44	3,086.47	109.96	29.068		
10,900.00	6,227.00	6,210.91	6,210.29	94.70	21.54	-89.82	5,118.05	-72.02	3,174.07	3,063.32	110.75	28.660		
11,000.00	6,227.00	6,210.48	6,209.86	96.03	21.53	-89.81	5,118.05	-72.02	3,154.71	3,043.22	111.49	28.296		
11,100.00	6,227.00	6,210.05	6,209.42	97.37	21.53	-89.80	5,118.06	-72.01	3,138.42	3,026.24	112.19	27.975		
11,200.00	6,227.00	6,209.61	6,208.99	98.74	21.53	-89.80	5,118.06	-72.01	3,125.25	3,012.42	112.83	27.698		
11,300.00	6,227.00	6,209.18	6,208.55	100.12	21.53	-89.79	5,118.06	-72.01	3,115.24	3,001.81	113.42	27.465		
11,400.00	6,227.00	6,208.74	6,208.12	101.51	21.53	-89.78	5,118.06	-72.01	3,108.41	2,994.45	113.96	27.277		
11,500.00	6,227.00	6,208.31	6,207.68	102.92	21.53	-89.77	5,118.06	-72.01	3,104.79	2,990.36	114.43	27.133		
11,562.51	6,227.00	6,208.03	6,207.41	103.81	21.53	-89.77	5,118.07	-72.01	3,104.16	2,989.47	114.69	27.065 CC, ES		
11,600.00	6,227.00	6,207.87	6,207.24	104.35	21.53	-89.76	5,118.07	-72.01	3,104.38	2,989.55	114.84	27.033		
11,700.00	6,227.00	6,200.00	6,199.37	105.79	21.50	-89.62	5,118.11	-71.98	3,107.21	2,992.09	115.12	26.991		
11,800.00	6,227.00	6,200.00	6,199.37	107.24	21.50	-89.62	5,118.11	-71.98	3,113.24	2,997.84	115.40	26.978 SF		
11,900.00	6,227.00	6,200.00	6,199.37	108.71	21.50	-89.62	5,118.11	-71.98	3,122.46	3,006.84	115.61	27.008		
12,000.00	6,227.00	6,200.00	6,199.37	110.19	21.50	-89.62	5,118.11	-71.98	3,134.84	3,019.08	115.76	27.080		
12,100.00	6,227.00	6,200.00	6,199.37	111.68	21.50	-89.62	5,118.11	-71.98	3,150.35	3,034.51	115.84	27.195		
12,200.00	6,227.00	6,200.00	6,199.37	113.18	21.50	-89.62	5,118.11	-71.98	3,168.94	3,053.08	115.86	27.351		
12,300.00	6,227.00	6,200.00	6,199.37	114.68	21.50	-89.62	5,118.11	-71.98	3,190.56	3,074.75	115.82	27.548		
12,400.00	6,227.00	6,200.00	6,199.37	116.20	21.50	-89.62	5,118.11	-71.98	3,215.15	3,099.43	115.72	27.785		
12,500.00	6,227.00	6,200.00	6,199.37	117.73	21.50	-89.62	5,118.11	-71.98	3,242.63	3,127.08	115.56	28.060		
12,600.00	6,227.00	6,200.00	6,199.37	119.27	21.50	-89.62	5,118.11	-71.98	3,272.94	3,157.59	115.35	28.374		
12,700.00	6,227.00	6,200.00	6,199.37	120.81	21.50	-89.62	5,118.11	-71.98	3,306.00	3,190.91	115.09	28.724		
12,800.00	6,227.00	6,200.00	6,199.37	122.37	21.50	-89.62	5,118.11	-71.98	3,341.73	3,226.94	114.79	29.111		
12,900.00	6,227.00	6,200.00	6,199.37	123.93	21.50	-89.62	5,118.11	-71.98	3,380.03	3,265.58	114.45	29.533		
13,000.00	6,227.00	6,200.00	6,199.37	125.49	21.50	-89.62	5,118.11	-71.98	3,420.84	3,306.76	114.07	29.988		
13,100.00	6,227.00	6,200.00	6,199.37	127.07	21.50	-89.62	5,118.11	-71.98	3,464.05	3,350.38	113.66	30.476		
13,200.00	6,227.00	6,200.00	6,199.37	128.65	21.50	-89.62	5,118.11	-71.98	3,509.57	3,396.35	113.22	30.997		
13,300.00	6,227.00	6,200.00	6,199.37	130.24	21.50	-89.62	5,118.11	-71.98	3,557.33	3,444.57	112.76	31.547		
13,400.00	6,227.00	6,200.00	6,199.37	131.83	21.50	-89.62	5,118.11	-71.98	3,607.23	3,494.95	112.28	32.128		
13,500.00	6,227.00	6,200.00	6,199.37	133.43	21.50	-89.62	5,118.11	-71.98	3,659.18	3,547.40	111.78	32.737		
13,600.00	6,227.00	6,200.00	6,199.37	135.03	21.50	-89.62	5,118.11	-71.98	3,713.09	3,601.83	111.26	33.373		
13,700.00	6,227.00	6,200.00	6,199.37	136.64	21.50	-89.62	5,118.11	-71.98	3,768.89	3,658.16	110.73	34.036		
13,800.00	6,227.00	6,200.00	6,199.37	138.25	21.50	-89.62	5,118.11	-71.98	3,826.49	3,716.30	110.20	34.724		
13,900.00	6,227.00	6,200.00	6,199.37	139.87	21.50	-89.62	5,118.11	-71.98	3,885.81	3,776.16	109.65	35.437		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
<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	
14,000.00	6,227.00	6,200.00	6,199.37	141.50	21.50	-89.62	5,118.11	-71.98	3,946.77	3,837.66	109.11	36.173	
14,100.00	6,227.00	6,196.30	6,195.67	143.12	21.48	-89.55	5,118.13	-71.96	4,009.30	3,900.77	108.53	36.940	
14,200.00	6,227.00	6,195.80	6,195.17	144.76	21.48	-89.54	5,118.13	-71.96	4,073.33	3,965.34	107.98	37.722	
14,300.00	6,227.00	6,195.30	6,194.67	146.39	21.48	-89.53	5,118.13	-71.96	4,138.78	4,031.34	107.44	38.523	
14,400.00	6,227.00	6,194.80	6,194.18	148.03	21.48	-89.52	5,118.14	-71.96	4,205.59	4,098.69	106.89	39.344	
14,500.00	6,227.00	6,194.30	6,193.68	149.67	21.48	-89.51	5,118.14	-71.96	4,273.69	4,167.34	106.35	40.184	
14,600.00	6,227.00	6,193.80	6,193.18	151.32	21.48	-89.50	5,118.14	-71.95	4,343.03	4,237.21	105.82	41.042	
14,700.00	6,227.00	6,193.31	6,192.68	152.97	21.47	-89.50	5,118.14	-71.95	4,413.55	4,308.26	105.29	41.917	
14,800.00	6,227.00	6,192.81	6,192.18	154.62	21.47	-89.49	5,118.15	-71.95	4,485.18	4,380.41	104.77	42.808	
14,900.00	6,227.00	6,192.31	6,191.68	156.28	21.47	-89.48	5,118.15	-71.95	4,557.89	4,453.63	104.26	43.715	
15,000.00	6,227.00	6,191.81	6,191.18	157.94	21.47	-89.47	5,118.15	-71.95	4,631.61	4,527.85	103.76	44.637	
15,100.00	6,227.00	6,191.31	6,190.68	159.60	21.47	-89.46	5,118.15	-71.95	4,706.31	4,603.04	103.27	45.573	
15,200.00	6,227.00	6,190.81	6,190.18	161.27	21.47	-89.45	5,118.16	-71.94	4,781.92	4,679.14	102.79	46.522	
15,300.00	6,227.00	6,190.31	6,189.68	162.94	21.46	-89.44	5,118.16	-71.94	4,858.42	4,756.11	102.32	47.483	
15,400.00	6,227.00	6,189.81	6,189.18	164.61	21.46	-89.43	5,118.16	-71.94	4,935.76	4,833.91	101.86	48.457	
15,500.00	6,227.00	6,189.31	6,188.68	166.28	21.46	-89.42	5,118.16	-71.94	5,013.90	4,912.50	101.41	49.443	
15,600.00	6,227.00	6,188.81	6,188.18	167.95	21.46	-89.41	5,118.17	-71.94	5,092.81	4,991.84	100.97	50.439	
15,700.00	6,227.00	6,188.31	6,187.68	169.63	21.46	-89.40	5,118.17	-71.93	5,172.45	5,071.91	100.54	51.446	
15,800.00	6,227.00	6,187.81	6,187.18	171.31	21.46	-89.39	5,118.17	-71.93	5,252.78	5,152.65	100.12	52.463	
15,900.00	6,227.00	6,187.31	6,186.68	172.99	21.45	-89.39	5,118.18	-71.93	5,333.77	5,234.06	99.72	53.489	
16,000.00	6,227.00	6,186.81	6,186.18	174.68	21.45	-89.38	5,118.18	-71.93	5,415.41	5,316.08	99.32	54.524	
16,100.00	6,227.00	6,186.31	6,185.68	176.36	21.45	-89.37	5,118.18	-71.93	5,497.64	5,398.71	98.94	55.568	
16,200.00	6,227.00	6,185.81	6,185.18	178.05	21.45	-89.36	5,118.18	-71.93	5,580.46	5,481.90	98.56	56.619	
16,300.00	6,227.00	6,185.30	6,184.68	179.74	21.45	-89.35	5,118.19	-71.93	5,663.84	5,565.64	98.20	57.678	
16,400.00	6,227.00	6,184.80	6,184.18	181.43	21.44	-89.34	5,118.19	-71.92	5,747.74	5,649.90	97.84	58.744	
16,500.00	6,227.00	6,184.30	6,183.68	183.13	21.44	-89.33	5,118.19	-71.92	5,832.15	5,734.65	97.50	59.817	
16,600.00	6,227.00	6,183.80	6,183.17	184.82	21.44	-89.32	5,118.19	-71.92	5,917.05	5,819.88	97.17	60.896	
16,700.00	6,227.00	6,183.30	6,182.67	186.52	21.44	-89.31	5,118.20	-71.92	6,002.41	5,905.57	96.84	61.982	
16,800.00	6,227.00	6,182.79	6,182.17	188.22	21.44	-89.30	5,118.20	-71.92	6,088.22	5,991.69	96.53	63.073	
16,900.00	6,227.00	6,182.29	6,181.67	189.92	21.44	-89.29	5,118.20	-71.92	6,174.45	6,078.23	96.22	64.169	
17,000.81	6,227.00	6,181.79	6,181.16	191.63	21.43	-89.28	5,118.20	-71.91	6,261.80	6,165.88	95.92	65.280	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-86.87	6.55	-119.83	120.01				
100.00	100.00	100.00	100.00	0.27	0.27	-86.87	6.55	-119.83	120.01	119.47	0.54	223.188	
200.00	200.00	200.00	200.00	0.63	0.63	-86.87	6.55	-119.83	120.01	118.76	1.25	95.652	
300.00	300.00	300.00	300.00	0.99	0.99	-86.87	6.55	-119.83	120.01	118.04	1.97	60.870	CC, ES
400.00	399.98	399.98	399.98	1.34	1.34	-170.38	6.55	-119.83	121.73	119.05	2.68	45.382	
500.00	499.84	499.84	499.84	1.69	1.70	-170.76	6.55	-119.83	126.89	123.50	3.39	37.388	
600.00	599.45	599.45	599.45	2.06	2.06	-171.33	6.55	-119.83	135.50	131.39	4.11	32.971	
700.00	698.70	698.70	698.70	2.44	2.42	-172.01	6.55	-119.83	147.56	142.74	4.83	30.565	
800.00	797.47	797.47	797.47	2.85	2.77	-172.73	6.55	-119.83	163.07	157.52	5.55	29.396	
900.00	895.62	894.74	894.73	3.29	3.12	-172.94	8.10	-120.06	182.25	175.98	6.26	29.091	
1,000.00	993.06	991.22	991.08	3.76	3.47	-172.30	12.81	-120.74	205.30	198.32	6.98	29.403	
1,100.00	1,089.64	1,087.59	1,087.27	4.27	3.81	-171.60	18.58	-121.58	231.90	224.20	7.71	30.096	
1,200.00	1,185.27	1,182.99	1,182.50	4.83	4.15	-171.14	24.30	-122.41	261.83	253.40	8.43	31.056	
1,300.00	1,279.82	1,277.30	1,276.64	5.45	4.50	-170.85	29.95	-123.23	295.04	285.88	9.16	32.213	
1,400.00	1,373.17	1,370.42	1,369.59	6.12	4.83	-170.69	35.53	-124.04	331.47	321.58	9.89	33.523	
1,500.00	1,465.21	1,462.23	1,461.23	6.85	5.17	-170.61	41.03	-124.84	371.10	360.48	10.62	34.951	
1,600.00	1,555.84	1,552.62	1,551.45	7.65	5.50	-170.60	46.44	-125.63	413.86	402.51	11.35	36.472	
1,700.00	1,644.94	1,641.47	1,640.14	8.51	5.82	-170.62	51.77	-126.40	459.71	447.63	12.08	38.070	
1,800.00	1,732.39	1,728.69	1,727.19	9.45	6.14	-170.66	56.99	-127.16	508.60	495.80	12.80	39.730	
1,827.18	1,755.86	1,752.09	1,750.55	9.72	6.23	-170.68	58.40	-127.37	522.40	509.40	13.00	40.177	
1,900.00	1,818.58	1,814.63	1,812.98	10.44	6.46	-170.85	62.14	-127.91	559.69	546.16	13.52	41.385	
2,000.00	1,904.71	1,900.51	1,898.70	11.46	6.77	-171.04	67.29	-128.66	610.89	596.65	14.24	42.891	
2,100.00	1,990.83	1,986.38	1,984.42	12.49	7.09	-171.21	72.43	-129.41	662.10	647.13	14.97	44.237	
2,200.00	2,076.96	2,072.26	2,070.14	13.53	7.41	-171.36	77.58	-130.16	713.32	697.62	15.70	45.446	
2,300.00	2,163.08	2,158.14	2,155.86	14.57	7.72	-171.48	82.72	-130.90	764.53	748.10	16.43	46.537	
2,400.00	2,249.21	2,244.02	2,241.58	15.62	8.04	-171.59	87.87	-131.65	815.75	798.59	17.16	47.527	
2,500.00	2,335.33	2,329.90	2,327.30	16.68	8.35	-171.69	93.01	-132.40	866.97	849.07	17.90	48.427	
2,600.00	2,421.45	2,415.77	2,413.02	17.74	8.67	-171.77	98.16	-133.15	918.19	899.55	18.64	49.249	
2,700.00	2,507.58	2,501.65	2,498.74	18.81	8.99	-171.85	103.31	-133.89	969.42	950.03	19.39	50.002	
2,800.00	2,593.70	2,587.53	2,584.46	19.87	9.30	-171.92	108.45	-134.64	1,020.64	1,000.51	20.13	50.695	
2,900.00	2,679.83	2,673.41	2,670.18	20.94	9.62	-171.98	113.60	-135.39	1,071.87	1,050.99	20.88	51.334	
3,000.00	2,765.95	2,759.29	2,755.90	22.01	9.94	-172.04	118.74	-136.14	1,123.09	1,101.46	21.63	51.926	
3,100.00	2,852.08	2,845.16	2,841.62	23.09	10.25	-172.09	123.89	-136.89	1,174.32	1,151.94	22.38	52.474	
3,200.00	2,938.20	2,931.04	2,927.34	24.16	10.57	-172.13	129.03	-137.63	1,225.55	1,202.42	23.13	52.984	
3,300.00	3,024.32	3,016.92	3,013.06	25.24	10.89	-172.18	134.18	-138.38	1,276.77	1,252.89	23.88	53.459	
3,400.00	3,110.45	3,102.80	3,098.78	26.32	11.20	-172.22	139.32	-139.13	1,328.00	1,303.37	24.64	53.902	
3,500.00	3,196.57	3,188.68	3,184.51	27.40	11.52	-172.25	144.47	-139.88	1,379.23	1,353.84	25.39	54.317	
3,600.00	3,282.70	3,274.55	3,270.23	28.48	11.84	-172.29	149.61	-140.63	1,430.46	1,404.31	26.15	54.707	
3,700.00	3,368.82	3,360.43	3,355.95	29.56	12.15	-172.32	154.76	-141.37	1,481.69	1,454.79	26.90	55.072	
3,800.00	3,454.95	3,446.31	3,441.67	30.64	12.47	-172.35	159.90	-142.12	1,532.92	1,505.26	27.66	55.416	
3,900.00	3,541.07	3,532.19	3,527.39	31.72	12.79	-172.38	165.05	-142.87	1,584.15	1,555.73	28.42	55.741	
4,000.00	3,627.19	3,618.06	3,613.11	32.80	13.11	-172.41	170.19	-143.62	1,635.38	1,606.20	29.18	56.047	
4,100.00	3,713.32	3,703.94	3,698.83	33.89	13.42	-172.43	175.34	-144.36	1,686.61	1,656.68	29.94	56.336	
4,200.00	3,799.44	3,789.82	3,784.55	34.97	13.74	-172.45	180.49	-145.11	1,737.85	1,707.15	30.70	56.610	
4,300.00	3,885.57	3,875.70	3,870.27	36.05	14.06	-172.47	185.63	-145.86	1,789.08	1,757.62	31.46	56.870	
4,400.00	3,971.69	3,961.58	3,955.99	37.14	14.38	-172.50	190.78	-146.61	1,840.31	1,808.09	32.22	57.116	
4,500.00	4,057.82	4,047.45	4,041.71	38.22	14.69	-172.52	195.92	-147.36	1,891.54	1,858.56	32.98	57.350	
4,600.00	4,143.94	4,133.33	4,127.43	39.31	15.01	-172.53	201.07	-148.10	1,942.77	1,909.03	33.74	57.573	
4,700.00	4,230.06	4,219.21	4,213.15	40.39	15.33	-172.55	206.21	-148.85	1,994.00	1,959.50	34.51	57.785	
4,800.00	4,316.19	4,305.09	4,298.87	41.48	15.64	-172.57	211.36	-149.60	2,045.24	2,009.97	35.27	57.987	
4,900.00	4,402.31	4,390.97	4,384.59	42.57	15.96	-172.58	216.50	-150.35	2,096.47	2,060.43	36.03	58.180	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
5,000.00	4,488.44	4,476.84	4,470.31	43.65	16.28	-172.60	221.65	-151.10	2,147.70	2,110.90	36.80	58.365		
5,100.00	4,574.56	4,562.72	4,556.03	44.74	16.60	-172.61	226.79	-151.84	2,198.93	2,161.37	37.56	58.541		
5,200.00	4,660.69	4,648.60	4,641.75	45.83	16.91	-172.63	231.94	-152.59	2,250.17	2,211.84	38.33	58.709		
5,300.00	4,746.81	4,734.48	4,727.47	46.91	17.23	-172.64	237.08	-153.34	2,301.40	2,262.31	39.09	58.870		
5,400.00	4,832.93	4,820.35	4,813.19	48.00	17.55	-172.65	242.23	-154.09	2,352.63	2,312.77	39.86	59.025		
5,500.00	4,919.06	4,906.23	4,898.91	49.09	17.87	-172.66	247.37	-154.83	2,403.86	2,363.24	40.62	59.173		
5,600.00	5,005.18	4,992.11	4,984.63	50.17	18.18	-172.68	252.52	-155.58	2,455.10	2,413.71	41.39	59.315		
5,700.00	5,091.31	5,077.99	5,070.35	51.26	18.50	-172.69	257.66	-156.33	2,506.33	2,464.17	42.16	59.452		
5,800.00	5,177.43	5,163.87	5,156.07	52.35	18.82	-172.70	262.81	-157.08	2,557.56	2,514.64	42.92	59.583		
5,900.00	5,263.56	5,249.74	5,241.79	53.44	19.14	-172.71	267.96	-157.83	2,608.80	2,565.11	43.69	59.709		
6,000.00	5,349.68	5,335.62	5,327.51	54.53	19.45	-172.72	273.10	-158.57	2,660.03	2,615.57	44.46	59.830		
6,100.00	5,435.80	5,421.50	5,413.23	55.61	19.77	-172.73	278.25	-159.32	2,711.26	2,666.04	45.23	59.947		
6,200.00	5,521.93	5,507.38	5,498.95	56.70	20.09	-172.74	283.39	-160.07	2,762.50	2,716.50	46.00	60.059		
6,300.00	5,608.05	5,593.26	5,584.67	57.79	20.41	-172.74	288.54	-160.82	2,813.73	2,766.97	46.76	60.168		
6,400.00	5,694.18	5,679.13	5,670.39	58.88	20.73	-172.75	293.68	-161.57	2,864.96	2,817.43	47.53	60.272		
6,479.32	5,762.49	5,753.78	5,744.65	59.74	21.01	-172.70	300.95	-162.17	2,905.54	2,857.33	48.21	60.263		
6,500.00	5,780.28	5,773.75	5,764.31	59.97	21.09	-167.97	304.45	-162.30	2,916.08	2,867.68	48.41	60.241		
6,550.00	5,822.98	5,822.01	5,811.22	60.51	21.30	-156.98	315.72	-162.57	2,941.36	2,892.47	48.89	60.166		
6,600.00	5,865.00	5,870.38	5,857.11	61.05	21.52	-146.84	330.94	-162.77	2,966.19	2,916.80	49.39	60.054		
6,650.00	5,906.01	5,919.02	5,901.80	61.57	21.75	-137.73	350.09	-162.90	2,990.38	2,940.46	49.92	59.900		
6,700.00	5,945.70	5,968.05	5,945.05	62.08	22.00	-129.68	373.16	-162.95	3,013.75	2,963.27	50.48	59.703		
6,750.00	5,983.77	6,017.59	5,986.58	62.56	22.27	-122.65	400.14	-162.91	3,036.10	2,985.04	51.06	59.457		
6,800.00	6,019.92	6,067.71	6,026.08	63.02	22.55	-116.56	430.97	-162.80	3,057.28	3,005.60	51.68	59.159		
6,850.00	6,053.90	6,118.47	6,063.17	63.45	22.86	-111.32	465.60	-162.60	3,077.11	3,024.78	52.33	58.805		
6,900.00	6,085.42	6,169.87	6,097.46	63.86	23.19	-106.82	503.86	-162.32	3,095.44	3,042.44	53.01	58.395		
6,950.00	6,114.26	6,221.89	6,128.53	64.23	23.55	-102.98	545.56	-161.95	3,112.14	3,058.41	53.73	57.927		
7,000.00	6,140.20	6,274.47	6,155.96	64.58	23.93	-99.74	590.39	-161.49	3,127.06	3,072.58	54.48	57.402		
7,050.00	6,163.03	6,327.50	6,179.35	64.89	24.34	-97.03	637.96	-160.95	3,140.09	3,084.83	55.26	56.823		
7,100.00	6,182.59	6,380.84	6,198.35	65.17	24.78	-94.81	687.79	-160.33	3,151.14	3,095.07	56.07	56.195		
7,150.00	6,198.73	6,434.34	6,212.66	65.42	25.24	-93.03	739.31	-159.64	3,160.12	3,103.20	56.91	55.525		
7,200.00	6,211.32	6,487.79	6,222.10	65.65	25.71	-91.67	791.90	-158.88	3,166.96	3,109.19	57.77	54.821		
7,250.00	6,220.26	6,541.01	6,226.59	65.84	26.20	-90.70	844.90	-158.07	3,171.61	3,112.97	58.64	54.090		
7,300.00	6,225.50	6,592.08	6,227.00	66.01	26.69	-90.13	895.96	-157.25	3,174.04	3,114.56	59.48	53.365		
7,344.70	6,227.00	6,636.74	6,227.00	66.14	27.13	-90.00	940.62	-156.53	3,174.36	3,114.11	60.25	52.683		
7,400.00	6,227.00	6,692.04	6,227.00	66.29	27.70	-90.00	995.90	-155.64	3,173.66	3,112.42	61.24	51.823		
7,500.00	6,227.00	6,792.03	6,227.00	66.58	28.78	-90.00	1,095.88	-154.03	3,172.40	3,109.25	63.15	50.234		
7,600.00	6,227.00	6,892.02	6,227.00	66.90	29.93	-90.00	1,195.86	-152.42	3,171.14	3,105.94	65.20	48.638		
7,700.00	6,227.00	6,992.01	6,227.00	67.24	31.13	-90.00	1,295.84	-150.81	3,169.87	3,102.50	67.37	47.053		
7,800.00	6,227.00	7,092.00	6,227.00	67.61	32.39	-90.00	1,395.82	-149.20	3,168.61	3,098.96	69.65	45.494		
7,900.00	6,227.00	7,192.00	6,227.00	68.00	33.69	-90.00	1,495.80	-147.59	3,167.35	3,095.32	72.03	43.972		
8,000.00	6,227.00	7,291.99	6,227.00	68.43	35.04	-90.00	1,595.78	-145.98	3,166.08	3,091.58	74.50	42.496		
8,100.00	6,227.00	7,391.98	6,227.00	68.88	36.42	-90.00	1,695.75	-144.37	3,164.82	3,087.76	77.06	41.071		
8,200.00	6,227.00	7,491.97	6,227.00	69.36	37.83	-90.00	1,795.73	-142.76	3,163.56	3,083.87	79.69	39.699		
8,300.00	6,227.00	7,591.96	6,227.00	69.88	39.27	-90.00	1,895.71	-141.14	3,162.29	3,079.91	82.38	38.384		
8,400.00	6,227.00	7,691.96	6,227.00	70.43	40.74	-90.00	1,995.69	-139.53	3,161.03	3,075.89	85.14	37.126		
8,500.00	6,227.00	7,791.95	6,227.00	71.00	42.23	-90.00	2,095.67	-137.92	3,159.77	3,071.81	87.96	35.924		
8,600.00	6,227.00	7,891.94	6,227.00	71.62	43.74	-90.00	2,195.65	-136.31	3,158.51	3,067.69	90.82	34.777		
8,700.00	6,227.00	7,991.93	6,227.00	72.26	45.27	-90.00	2,295.63	-134.70	3,157.24	3,063.51	93.73	33.684		
8,800.00	6,227.00	8,091.92	6,227.00	72.94	46.82	-90.00	2,395.61	-133.09	3,155.98	3,059.30	96.68	32.643		
8,900.00	6,227.00	8,191.92	6,227.00	73.66	48.38	-90.00	2,495.59	-131.48	3,154.72	3,055.05	99.67	31.651		
9,000.00	6,227.00	8,291.91	6,227.00	74.41	49.96	-90.00	2,595.57	-129.87	3,153.45	3,050.76	102.70	30.707		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,100.00	6,227.00	8,391.90	6,227.00	75.19	51.55	-90.00	2,695.55	-128.26	3,152.19	3,046.44	105.75	29.807	
9,200.00	6,227.00	8,491.89	6,227.00	76.01	53.15	-90.00	2,795.52	-126.64	3,150.93	3,042.09	108.84	28.951	
9,300.00	6,227.00	8,591.88	6,227.00	76.86	54.76	-90.00	2,895.50	-125.03	3,149.67	3,037.72	111.95	28.135	
9,400.00	6,227.00	8,691.88	6,227.00	77.75	56.38	-90.00	2,995.48	-123.42	3,148.40	3,033.32	115.09	27.357	
9,500.00	6,227.00	8,791.87	6,227.00	78.67	58.01	-90.00	3,095.46	-121.81	3,147.14	3,028.89	118.25	26.615	
9,600.00	6,227.00	8,891.86	6,227.00	79.63	59.65	-90.00	3,195.44	-120.20	3,145.88	3,024.45	121.43	25.908	
9,700.00	6,227.00	8,991.85	6,227.00	80.62	61.29	-90.00	3,295.42	-118.59	3,144.61	3,019.99	124.63	25.232	
9,800.00	6,227.00	9,091.84	6,227.00	81.64	62.94	-90.00	3,395.40	-116.98	3,143.35	3,015.51	127.84	24.587	
9,900.00	6,227.00	9,191.84	6,227.00	82.69	64.60	-90.00	3,495.38	-115.37	3,142.09	3,011.01	131.08	23.971	
10,000.00	6,227.00	9,291.83	6,227.00	83.77	66.26	-90.00	3,595.36	-113.76	3,140.83	3,006.50	134.33	23.382	
10,100.00	6,227.00	9,391.82	6,227.00	84.88	67.93	-90.00	3,695.34	-112.14	3,139.56	3,001.97	137.59	22.818	
10,200.00	6,227.00	9,491.81	6,227.00	86.02	69.60	-90.00	3,795.31	-110.53	3,138.30	2,997.43	140.87	22.278	
10,300.00	6,227.00	9,591.80	6,227.00	87.19	71.28	-90.00	3,895.29	-108.92	3,137.04	2,992.88	144.16	21.761	
10,400.00	6,227.00	9,691.80	6,227.00	88.38	72.96	-90.00	3,995.27	-107.31	3,135.77	2,988.31	147.46	21.265	
10,500.00	6,227.00	9,791.79	6,227.00	89.60	74.65	-90.00	4,095.25	-105.70	3,134.51	2,983.74	150.77	20.789	
10,600.00	6,227.00	9,891.78	6,227.00	90.84	76.34	-90.00	4,195.23	-104.09	3,133.25	2,979.15	154.10	20.333	
10,700.00	6,227.00	9,991.77	6,227.00	92.11	78.03	-90.00	4,295.21	-102.48	3,131.99	2,974.56	157.43	19.895	
10,800.00	6,227.00	10,091.76	6,227.00	93.39	79.73	-90.00	4,395.19	-100.87	3,130.72	2,969.95	160.77	19.473	
10,900.00	6,227.00	10,191.76	6,227.00	94.70	81.43	-90.00	4,495.17	-99.26	3,129.46	2,965.34	164.12	19.068	
11,000.00	6,227.00	10,291.75	6,227.00	96.03	83.13	-90.00	4,595.15	-97.64	3,128.20	2,960.72	167.48	18.678	
11,100.00	6,227.00	10,391.74	6,227.00	97.37	84.84	-90.00	4,695.13	-96.03	3,126.93	2,956.09	170.84	18.303	
11,200.00	6,227.00	10,491.73	6,227.00	98.74	86.55	-90.00	4,795.11	-94.42	3,125.67	2,951.46	174.21	17.941	
11,300.00	6,227.00	10,591.73	6,227.00	100.12	88.26	-90.00	4,895.08	-92.81	3,124.41	2,946.82	177.59	17.593	
11,400.00	6,227.00	10,691.72	6,227.00	101.51	89.97	-90.00	4,995.06	-91.20	3,123.15	2,942.17	180.98	17.257	
11,500.00	6,227.00	10,791.71	6,227.00	102.92	91.68	-90.00	5,095.04	-89.59	3,121.88	2,937.51	184.37	16.933	
11,600.00	6,227.00	10,891.70	6,227.00	104.35	93.40	-90.00	5,195.02	-87.98	3,120.62	2,932.86	187.76	16.620	
11,700.00	6,227.00	10,974.09	6,227.00	105.79	94.82	-90.00	5,277.40	-86.65	3,119.41	2,928.76	190.65	16.362	
11,721.79	6,227.00	10,974.09	6,227.00	106.11	94.82	-90.00	5,277.40	-86.65	3,119.33	2,928.59	190.74	16.354	
11,800.00	6,227.00	10,974.09	6,227.00	107.24	94.82	-90.00	5,277.40	-86.65	3,120.31	2,929.31	191.00	16.336 SF	
11,900.00	6,227.00	10,974.09	6,227.00	108.71	94.82	-90.00	5,277.40	-86.65	3,124.42	2,933.22	191.20	16.341	
12,000.00	6,227.00	10,974.09	6,227.00	110.19	94.82	-90.00	5,277.40	-86.65	3,131.71	2,940.47	191.24	16.376	
12,100.00	6,227.00	10,974.09	6,227.00	111.68	94.82	-90.00	5,277.40	-86.65	3,142.18	2,951.06	191.12	16.441	
12,200.00	6,227.00	10,974.09	6,227.00	113.18	94.82	-90.00	5,277.40	-86.65	3,155.77	2,964.93	190.85	16.536	
12,300.00	6,227.00	10,974.09	6,227.00	114.68	94.82	-90.00	5,277.40	-86.65	3,172.47	2,982.04	190.42	16.660	
12,400.00	6,227.00	10,974.09	6,227.00	116.20	94.82	-90.00	5,277.40	-86.65	3,192.21	3,002.35	189.86	16.814	
12,500.00	6,227.00	10,974.09	6,227.00	117.73	94.82	-90.00	5,277.40	-86.65	3,214.94	3,025.78	189.16	16.996	
12,600.00	6,227.00	10,974.09	6,227.00	119.27	94.82	-90.00	5,277.40	-86.65	3,240.60	3,052.27	188.33	17.207	
12,700.00	6,227.00	10,974.09	6,227.00	120.81	94.82	-90.00	5,277.40	-86.65	3,269.12	3,081.73	187.38	17.446	
12,800.00	6,227.00	10,974.09	6,227.00	122.37	94.82	-90.00	5,277.40	-86.65	3,300.42	3,114.09	186.32	17.713	
12,900.00	6,227.00	10,974.09	6,227.00	123.93	94.82	-90.00	5,277.40	-86.65	3,334.43	3,149.26	185.17	18.008	
13,000.00	6,227.00	10,974.09	6,227.00	125.49	94.82	-90.00	5,277.40	-86.65	3,371.06	3,187.14	183.92	18.329	
13,100.00	6,227.00	10,974.09	6,227.00	127.07	94.82	-90.00	5,277.40	-86.65	3,410.23	3,227.64	182.59	18.677	
13,200.00	6,227.00	10,974.09	6,227.00	128.65	94.82	-90.00	5,277.40	-86.65	3,451.86	3,270.67	181.19	19.051	
13,300.00	6,227.00	10,974.09	6,227.00	130.24	94.82	-90.00	5,277.40	-86.65	3,495.85	3,316.12	179.73	19.451	
13,400.00	6,227.00	10,974.09	6,227.00	131.83	94.82	-90.00	5,277.40	-86.65	3,542.12	3,363.90	178.22	19.875	
13,500.00	6,227.00	10,974.09	6,227.00	133.43	94.82	-90.00	5,277.40	-86.65	3,590.58	3,413.92	176.66	20.325	
13,600.00	6,227.00	10,974.09	6,227.00	135.03	94.82	-90.00	5,277.40	-86.65	3,641.14	3,466.07	175.07	20.798	
13,700.00	6,227.00	10,974.09	6,227.00	136.64	94.82	-90.00	5,277.40	-86.65	3,693.72	3,520.26	173.45	21.295	
13,800.00	6,227.00	10,974.09	6,227.00	138.25	94.82	-90.00	5,277.40	-86.65	3,748.22	3,576.41	171.81	21.815	
13,900.00	6,227.00	10,974.09	6,227.00	139.87	94.82	-90.00	5,277.40	-86.65	3,804.58	3,634.42	170.16	22.358	
14,000.00	6,227.00	10,974.09	6,227.00	141.50	94.82	-90.00	5,277.40	-86.65	3,862.70	3,694.20	168.51	22.923	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
<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	10,974.09	6,227.00	143.12	94.82	-90.00	5,277.40	-86.65	3,922.51	3,755.67	166.85	23.509	
14,200.00	6,227.00	10,974.09	6,227.00	144.76	94.82	-90.00	5,277.40	-86.65	3,983.94	3,818.74	165.19	24.117	
14,300.00	6,227.00	10,974.09	6,227.00	146.39	94.82	-90.00	5,277.40	-86.65	4,046.90	3,883.35	163.55	24.745	
14,400.00	6,227.00	10,974.09	6,227.00	148.03	94.82	-90.00	5,277.40	-86.65	4,111.33	3,949.42	161.91	25.393	
14,500.00	6,227.00	10,974.09	6,227.00	149.67	94.82	-90.00	5,277.40	-86.65	4,177.16	4,016.87	160.29	26.060	
14,600.00	6,227.00	10,974.09	6,227.00	151.32	94.82	-90.00	5,277.40	-86.65	4,244.33	4,085.64	158.69	26.747	
14,700.00	6,227.00	10,974.09	6,227.00	152.97	94.82	-90.00	5,277.40	-86.65	4,312.77	4,155.66	157.11	27.451	
14,800.00	6,227.00	10,974.09	6,227.00	154.62	94.82	-90.00	5,277.40	-86.65	4,382.42	4,226.87	155.55	28.174	
14,900.00	6,227.00	10,974.09	6,227.00	156.28	94.82	-90.00	5,277.40	-86.65	4,453.23	4,299.21	154.01	28.914	
15,000.00	6,227.00	10,974.09	6,227.00	157.94	94.82	-90.00	5,277.40	-86.65	4,525.14	4,372.63	152.51	29.671	
15,100.00	6,227.00	10,974.09	6,227.00	159.60	94.82	-90.00	5,277.40	-86.65	4,598.10	4,447.07	151.03	30.445	
15,200.00	6,227.00	10,974.09	6,227.00	161.27	94.82	-90.00	5,277.40	-86.65	4,672.06	4,522.48	149.58	31.235	
15,300.00	6,227.00	10,974.09	6,227.00	162.94	94.82	-90.00	5,277.40	-86.65	4,746.98	4,598.82	148.16	32.040	
15,400.00	6,227.00	10,974.09	6,227.00	164.61	94.82	-90.00	5,277.40	-86.65	4,822.81	4,676.04	146.77	32.860	
15,500.00	6,227.00	10,974.09	6,227.00	166.28	94.82	-90.00	5,277.40	-86.65	4,899.50	4,754.09	145.41	33.695	
15,600.00	6,227.00	10,974.09	6,227.00	167.95	94.82	-90.00	5,277.40	-86.65	4,977.02	4,832.94	144.08	34.543	
15,700.00	6,227.00	10,974.09	6,227.00	169.63	94.82	-90.00	5,277.40	-86.65	5,055.33	4,912.55	142.78	35.406	
15,800.00	6,227.00	10,974.09	6,227.00	171.31	94.82	-90.00	5,277.40	-86.65	5,134.40	4,992.88	141.52	36.281	
15,900.00	6,227.00	10,974.09	6,227.00	172.99	94.82	-90.00	5,277.40	-86.65	5,214.18	5,073.90	140.28	37.170	
16,000.00	6,227.00	10,974.09	6,227.00	174.68	94.82	-90.00	5,277.40	-86.65	5,294.65	5,155.58	139.07	38.071	
16,100.00	6,227.00	10,974.09	6,227.00	176.36	94.82	-90.00	5,277.40	-86.65	5,375.78	5,237.88	137.90	38.983	
16,200.00	6,227.00	10,974.09	6,227.00	178.05	94.82	-90.00	5,277.40	-86.65	5,457.53	5,320.77	136.75	39.908	
16,300.00	6,227.00	10,974.09	6,227.00	179.74	94.82	-90.00	5,277.40	-86.65	5,539.88	5,404.24	135.64	40.843	
16,400.00	6,227.00	10,974.09	6,227.00	181.43	94.82	-90.00	5,277.40	-86.65	5,622.80	5,488.25	134.55	41.790	
16,500.00	6,227.00	10,974.09	6,227.00	183.13	94.82	-90.00	5,277.40	-86.65	5,706.27	5,572.78	133.49	42.746	
16,600.00	6,227.00	10,974.09	6,227.00	184.82	94.82	-90.00	5,277.40	-86.65	5,790.27	5,657.80	132.46	43.713	
16,700.00	6,227.00	10,974.09	6,227.00	186.52	94.82	-90.00	5,277.40	-86.65	5,874.76	5,743.30	131.46	44.689	
16,800.00	6,227.00	10,974.09	6,227.00	188.22	94.82	-90.00	5,277.40	-86.65	5,959.74	5,829.25	130.48	45.675	
16,900.00	6,227.00	10,974.09	6,227.00	189.92	94.82	-90.00	5,277.40	-86.65	6,045.17	5,915.64	129.53	46.669	
17,000.81	6,227.00	10,974.09	6,227.00	191.63	94.82	-90.00	5,277.40	-86.65	6,131.74	6,003.14	128.60	47.681	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	-96.42	-13.48	-119.83	120.59				
100.00	100.00	100.00	100.00	0.27	0.27	-96.42	-13.48	-119.83	120.59	120.05	0.54	224.261	
200.00	200.00	200.00	200.00	0.63	0.63	-96.42	-13.48	-119.83	120.59	119.33	1.25	96.112	
300.00	300.00	300.00	300.00	0.99	0.99	-96.42	-13.48	-119.83	120.59	118.62	1.97	61.162	CC, ES
400.00	399.98	399.98	399.98	1.34	1.34	-179.80	-13.48	-119.83	122.33	119.65	2.68	45.606	
500.00	499.84	499.84	499.84	1.69	1.70	-179.80	-13.48	-119.83	127.57	124.17	3.39	37.583	
600.00	599.45	599.45	599.45	2.06	2.06	-179.82	-13.48	-119.83	136.28	132.17	4.11	33.156	
700.00	698.70	698.70	698.70	2.44	2.42	-179.83	-13.48	-119.83	148.47	143.64	4.83	30.749	
800.00	797.47	802.66	802.64	2.85	2.78	-179.55	-12.46	-118.30	162.56	157.00	5.56	29.256	
900.00	895.62	907.08	906.90	3.29	3.16	-178.75	-9.34	-113.60	176.92	170.63	6.28	28.151	
1,000.00	993.06	1,011.84	1,011.23	3.76	3.53	-177.55	-4.11	-105.70	191.60	184.58	7.02	27.300	
1,100.00	1,089.64	1,111.86	1,110.57	4.27	3.90	-176.25	2.30	-96.03	207.59	199.84	7.75	26.771	
1,200.00	1,185.27	1,209.88	1,207.92	4.83	4.27	-175.21	8.63	-86.48	227.01	218.51	8.50	26.718	
1,300.00	1,279.82	1,307.17	1,304.54	5.45	4.65	-174.39	14.91	-76.99	249.88	240.64	9.24	27.029	
1,400.00	1,373.17	1,403.62	1,400.33	6.12	5.02	-173.77	21.14	-67.59	276.16	266.16	10.00	27.617	
1,500.00	1,465.21	1,499.11	1,495.16	6.85	5.39	-173.31	27.31	-58.28	305.78	295.02	10.76	28.421	
1,600.00	1,555.84	1,593.52	1,588.93	7.65	5.76	-172.98	33.40	-49.08	338.70	327.18	11.52	29.396	
1,700.00	1,644.94	1,686.74	1,681.51	8.51	6.13	-172.75	39.42	-39.99	374.87	362.59	12.29	30.508	
1,800.00	1,732.39	1,778.65	1,772.79	9.45	6.49	-172.61	45.36	-31.03	414.26	401.20	13.05	31.732	
1,827.18	1,755.86	1,803.39	1,797.36	9.72	6.59	-172.58	46.96	-28.62	425.51	412.24	13.27	32.073	
1,900.00	1,818.58	1,869.54	1,863.05	10.44	6.85	-172.59	51.23	-22.17	455.97	442.14	13.82	32.989	
2,000.00	1,904.71	1,960.37	1,953.26	11.46	7.21	-172.60	57.10	-13.32	497.79	483.20	14.59	34.125	
2,100.00	1,990.83	2,051.20	2,043.47	12.49	7.57	-172.61	62.96	-4.46	539.62	524.26	15.36	35.134	
2,200.00	2,076.96	2,142.04	2,133.68	13.53	7.93	-172.62	68.83	4.39	581.44	565.31	16.14	36.036	
2,300.00	2,163.08	2,232.87	2,223.89	14.57	8.29	-172.63	74.70	13.24	623.27	606.35	16.92	36.845	
2,400.00	2,249.21	2,323.70	2,314.10	15.62	8.66	-172.63	80.56	22.10	665.10	647.40	17.70	37.575	
2,500.00	2,335.33	2,414.54	2,404.31	16.68	9.02	-172.64	86.43	30.95	706.92	688.43	18.49	38.237	
2,600.00	2,421.45	2,505.37	2,494.52	17.74	9.39	-172.64	92.29	39.81	748.75	729.47	19.28	38.839	
2,700.00	2,507.58	2,596.20	2,584.73	18.81	9.75	-172.65	98.16	48.66	790.57	770.50	20.07	39.389	
2,800.00	2,593.70	2,687.03	2,674.94	19.87	10.12	-172.65	104.03	57.51	832.40	811.53	20.87	39.893	
2,900.00	2,679.83	2,777.87	2,765.15	20.94	10.48	-172.66	109.89	66.37	874.23	852.56	21.66	40.356	
3,000.00	2,765.95	2,868.70	2,855.36	22.01	10.85	-172.66	115.76	75.22	916.05	893.59	22.46	40.784	
3,100.00	2,852.08	2,959.53	2,945.57	23.09	11.21	-172.66	121.63	84.08	957.88	934.62	23.26	41.179	
3,200.00	2,938.20	3,050.36	3,035.78	24.16	11.58	-172.67	127.49	92.93	999.70	975.64	24.06	41.546	
3,300.00	3,024.32	3,141.20	3,125.99	25.24	11.94	-172.67	133.36	101.78	1,041.53	1,016.67	24.87	41.887	
3,400.00	3,110.45	3,232.03	3,216.19	26.32	12.31	-172.67	139.23	110.64	1,083.36	1,057.69	25.67	42.204	
3,500.00	3,196.57	3,322.86	3,306.40	27.40	12.68	-172.67	145.09	119.49	1,125.18	1,098.71	26.47	42.501	
3,600.00	3,282.70	3,413.70	3,396.61	28.48	13.04	-172.68	150.96	128.35	1,167.01	1,139.73	27.28	42.779	
3,700.00	3,368.82	3,504.53	3,486.82	29.56	13.41	-172.68	156.82	137.20	1,208.83	1,180.75	28.09	43.039	
3,800.00	3,454.95	3,595.36	3,577.03	30.64	13.78	-172.68	162.69	146.06	1,250.66	1,221.77	28.89	43.284	
3,900.00	3,541.07	3,686.19	3,667.24	31.72	14.14	-172.68	168.56	154.91	1,292.49	1,262.78	29.70	43.514	
4,000.00	3,627.19	3,777.03	3,757.45	32.80	14.51	-172.68	174.42	163.76	1,334.31	1,303.80	30.51	43.731	
4,100.00	3,713.32	3,867.86	3,847.66	33.89	14.88	-172.68	180.29	172.62	1,376.14	1,344.82	31.32	43.936	
4,200.00	3,799.44	3,958.69	3,937.87	34.97	15.25	-172.69	186.16	181.47	1,417.97	1,385.83	32.13	44.130	
4,300.00	3,885.57	4,049.52	4,028.08	36.05	15.61	-172.69	192.02	190.33	1,459.79	1,426.85	32.94	44.314	
4,400.00	3,971.69	4,140.36	4,118.29	37.14	15.98	-172.69	197.89	199.18	1,501.62	1,467.86	33.75	44.488	
4,500.00	4,057.82	4,231.19	4,208.50	38.22	16.35	-172.69	203.76	208.03	1,543.44	1,508.88	34.57	44.653	
4,600.00	4,143.94	4,322.02	4,298.71	39.31	16.72	-172.69	209.62	216.89	1,585.27	1,549.89	35.38	44.810	
4,700.00	4,230.06	4,412.85	4,388.92	40.39	17.08	-172.69	215.49	225.74	1,627.10	1,590.91	36.19	44.960	
4,800.00	4,316.19	4,503.69	4,479.13	41.48	17.45	-172.69	221.36	234.60	1,668.92	1,631.92	37.00	45.102	
4,900.00	4,402.31	4,594.52	4,569.34	42.57	17.82	-172.69	227.22	243.45	1,710.75	1,672.93	37.82	45.238	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
5,000.00	4,488.44	4,685.35	4,659.55	43.65	18.19	-172.69	233.09	252.31	1,752.57	1,713.94	38.63	45.367	
5,100.00	4,574.56	4,776.19	4,749.76	44.74	18.56	-172.70	238.95	261.16	1,794.40	1,754.95	39.45	45.491	
5,200.00	4,660.69	4,867.02	4,839.97	45.83	18.92	-172.70	244.82	270.01	1,836.23	1,795.97	40.26	45.609	
5,300.00	4,746.81	4,957.85	4,930.18	46.91	19.29	-172.70	250.69	278.87	1,878.05	1,836.98	41.07	45.723	
5,400.00	4,832.93	5,048.68	5,020.39	48.00	19.66	-172.70	256.55	287.72	1,919.88	1,877.99	41.89	45.831	
5,500.00	4,919.06	5,139.52	5,110.60	49.09	20.03	-172.70	262.42	296.58	1,961.70	1,919.00	42.71	45.935	
5,600.00	5,005.18	5,230.35	5,200.81	50.17	20.40	-172.70	268.29	305.43	2,003.53	1,960.01	43.52	46.035	
5,700.00	5,091.31	5,321.18	5,291.02	51.26	20.76	-172.70	274.15	314.28	2,045.36	2,001.02	44.34	46.131	
5,800.00	5,177.43	5,412.01	5,381.22	52.35	21.13	-172.70	280.02	323.14	2,087.18	2,042.03	45.15	46.223	
5,900.00	5,263.56	5,502.85	5,471.43	53.44	21.50	-172.70	285.89	331.99	2,129.01	2,083.04	45.97	46.312	
6,000.00	5,349.68	5,593.68	5,561.64	54.53	21.87	-172.70	291.75	340.85	2,170.83	2,124.05	46.79	46.397	
6,100.00	5,435.80	5,684.51	5,651.85	55.61	22.24	-172.70	297.62	349.70	2,212.66	2,165.05	47.61	46.479	
6,200.00	5,521.93	5,779.94	5,746.39	56.70	22.63	-172.64	306.14	359.04	2,254.44	2,205.96	48.48	46.502	
6,300.00	5,608.05	5,876.79	5,839.87	57.79	23.08	-172.18	329.15	368.61	2,295.97	2,246.49	49.48	46.402	
6,400.00	5,694.18	5,966.04	5,921.44	58.88	23.52	-171.39	364.07	377.32	2,337.52	2,287.00	50.52	46.265	
6,479.32	5,762.49	6,029.45	5,975.61	59.74	23.86	-170.63	396.42	383.32	2,370.83	2,319.48	51.35	46.171	
6,500.00	5,780.28	6,045.02	5,988.34	59.97	23.94	-166.01	405.27	384.76	2,379.58	2,328.02	51.56	46.152	
6,550.00	5,822.98	6,082.22	6,017.74	60.51	24.15	-155.27	427.79	388.13	2,400.65	2,348.57	52.08	46.095	
6,600.00	5,865.00	6,118.93	6,045.27	61.05	24.37	-145.36	451.86	391.36	2,421.43	2,368.82	52.61	46.028	
6,650.00	5,906.01	6,155.27	6,070.95	61.57	24.59	-136.46	477.38	394.45	2,441.76	2,388.62	53.14	45.949	
6,700.00	5,945.70	6,191.32	6,094.77	62.08	24.81	-128.60	504.26	397.39	2,461.44	2,407.76	53.68	45.855	
6,750.00	5,983.77	6,227.15	6,116.74	62.56	25.05	-121.75	532.43	400.17	2,480.31	2,426.09	54.22	45.745	
6,800.00	6,019.92	6,262.81	6,136.81	63.02	25.29	-115.81	561.78	402.81	2,498.22	2,443.46	54.76	45.620	
6,850.00	6,053.90	6,300.00	6,155.76	63.45	25.55	-110.69	593.66	405.39	2,515.01	2,459.68	55.33	45.454	
6,900.00	6,085.42	6,333.78	6,171.16	63.86	25.79	-106.31	623.65	407.59	2,530.55	2,474.70	55.84	45.316	
6,950.00	6,114.26	6,369.14	6,185.36	64.23	26.06	-102.57	655.95	409.73	2,544.70	2,488.33	56.38	45.136	
7,000.00	6,140.20	6,400.00	6,196.11	64.58	26.30	-99.43	684.82	411.45	2,557.38	2,500.56	56.82	45.008	
7,050.00	6,163.03	6,439.62	6,207.61	64.89	26.62	-96.77	722.67	413.46	2,568.46	2,511.02	57.43	44.721	
7,100.00	6,182.59	6,474.75	6,215.61	65.17	26.92	-94.61	756.84	415.04	2,577.86	2,519.91	57.95	44.482	
7,150.00	6,198.73	6,509.79	6,221.50	65.42	27.22	-92.88	791.35	416.43	2,585.52	2,527.06	58.47	44.223	
7,200.00	6,211.32	6,550.00	6,225.65	65.65	27.57	-91.56	831.31	417.77	2,591.38	2,532.30	59.08	43.860	
7,250.00	6,220.26	6,579.57	6,226.92	65.84	27.84	-90.65	860.84	418.60	2,595.38	2,535.90	59.48	43.635	
7,300.00	6,225.50	6,625.05	6,227.00	66.01	28.26	-90.11	906.31	419.68	2,597.42	2,537.20	60.22	43.130	
7,344.70	6,227.00	6,669.72	6,227.00	66.14	28.69	-90.00	950.96	420.74	2,597.40	2,536.40	61.00	42.581	
7,400.00	6,227.00	6,725.00	6,227.00	66.29	29.25	-90.00	1,006.23	422.05	2,596.29	2,534.28	62.00	41.873	
7,500.00	6,227.00	6,824.98	6,227.00	66.58	30.30	-90.00	1,106.18	424.41	2,594.27	2,530.33	63.93	40.578	
7,600.00	6,227.00	6,924.96	6,227.00	66.90	31.42	-90.00	1,206.14	426.78	2,592.25	2,526.25	66.00	39.279	
7,700.00	6,227.00	7,024.94	6,227.00	67.24	32.59	-90.00	1,306.09	429.15	2,590.23	2,522.05	68.18	37.992	
7,800.00	6,227.00	7,124.92	6,227.00	67.61	33.82	-90.00	1,406.04	431.51	2,588.21	2,517.74	70.47	36.728	
7,900.00	6,227.00	7,224.90	6,227.00	68.00	35.09	-90.00	1,505.99	433.88	2,586.19	2,513.33	72.86	35.496	
8,000.00	6,227.00	7,324.88	6,227.00	68.43	36.41	-90.00	1,605.94	436.25	2,584.17	2,508.83	75.34	34.301	
8,100.00	6,227.00	7,424.86	6,227.00	68.88	37.76	-90.00	1,705.89	438.62	2,582.15	2,504.25	77.90	33.148	
8,200.00	6,227.00	7,524.84	6,227.00	69.36	39.15	-90.00	1,805.84	440.98	2,580.13	2,499.60	80.53	32.038	
8,300.00	6,227.00	7,624.82	6,227.00	69.88	40.56	-90.00	1,905.80	443.35	2,578.11	2,494.88	83.23	30.975	
8,400.00	6,227.00	7,724.80	6,227.00	70.43	42.00	-90.00	2,005.75	445.72	2,576.09	2,490.10	85.99	29.957	
8,500.00	6,227.00	7,824.78	6,227.00	71.00	43.47	-90.00	2,105.70	448.08	2,574.08	2,485.27	88.81	28.985	
8,600.00	6,227.00	7,924.76	6,227.00	71.62	44.96	-90.00	2,205.65	450.45	2,572.06	2,480.38	91.67	28.057	
8,700.00	6,227.00	8,024.74	6,227.00	72.26	46.46	-90.00	2,305.60	452.82	2,570.04	2,475.46	94.58	27.173	
8,800.00	6,227.00	8,124.72	6,227.00	72.94	47.99	-90.00	2,405.55	455.18	2,568.02	2,470.49	97.53	26.330	
8,900.00	6,227.00	8,224.70	6,227.00	73.66	49.53	-90.00	2,505.51	457.55	2,566.00	2,465.48	100.52	25.527	
9,000.00	6,227.00	8,324.68	6,227.00	74.41	51.08	-90.00	2,605.46	459.92	2,563.98	2,460.44	103.54	24.762	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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
9,100.00	6,227.00	8,424.66	6,227.00	75.19	52.65	-90.00	2,705.41	462.29	2,561.96	2,455.36	106.60	24.034	
9,200.00	6,227.00	8,524.64	6,227.00	76.01	54.23	-90.00	2,805.36	464.65	2,559.94	2,450.26	109.68	23.340	
9,300.00	6,227.00	8,624.62	6,227.00	76.86	55.83	-90.00	2,905.31	467.02	2,557.92	2,445.13	112.79	22.678	
9,400.00	6,227.00	8,724.60	6,227.00	77.75	57.43	-90.00	3,005.26	469.39	2,555.90	2,439.98	115.93	22.048	
9,500.00	6,227.00	8,824.58	6,227.00	78.67	59.04	-90.00	3,105.22	471.75	2,553.88	2,434.80	119.08	21.446	
9,600.00	6,227.00	8,924.56	6,227.00	79.63	60.66	-90.00	3,205.17	474.12	2,551.86	2,429.60	122.26	20.872	
9,700.00	6,227.00	9,024.54	6,227.00	80.62	62.29	-90.00	3,305.12	476.49	2,549.85	2,424.39	125.46	20.324	
9,800.00	6,227.00	9,124.52	6,227.00	81.64	63.92	-90.00	3,405.07	478.85	2,547.83	2,419.15	128.67	19.801	
9,900.00	6,227.00	9,224.50	6,227.00	82.69	65.57	-90.00	3,505.02	481.22	2,545.81	2,413.90	131.90	19.300	
10,000.00	6,227.00	9,324.47	6,227.00	83.77	67.22	-90.00	3,604.97	483.59	2,543.79	2,408.64	135.15	18.822	
10,100.00	6,227.00	9,424.45	6,227.00	84.88	68.87	-90.00	3,704.92	485.95	2,541.77	2,403.36	138.41	18.364	
10,200.00	6,227.00	9,524.43	6,227.00	86.02	70.53	-90.00	3,804.88	488.32	2,539.75	2,398.06	141.69	17.925	
10,300.00	6,227.00	9,624.41	6,227.00	87.19	72.19	-90.00	3,904.83	490.69	2,537.73	2,392.76	144.97	17.505	
10,400.00	6,227.00	9,724.39	6,227.00	88.38	73.86	-90.00	4,004.78	493.06	2,535.71	2,387.44	148.27	17.102	
10,500.00	6,227.00	9,824.37	6,227.00	89.60	75.54	-90.00	4,104.73	495.42	2,533.69	2,382.11	151.58	16.715	
10,600.00	6,227.00	9,924.35	6,227.00	90.84	77.22	-90.00	4,204.68	497.79	2,531.67	2,376.77	154.90	16.344	
10,700.00	6,227.00	10,024.33	6,227.00	92.11	78.90	-90.00	4,304.63	500.16	2,529.65	2,371.42	158.23	15.987	
10,800.00	6,227.00	10,124.31	6,227.00	93.39	80.59	-90.00	4,404.59	502.52	2,527.63	2,366.07	161.57	15.644	
10,900.00	6,227.00	10,224.29	6,227.00	94.70	82.28	-90.00	4,504.54	504.89	2,525.62	2,360.70	164.91	15.315	
11,000.00	6,227.00	10,324.27	6,227.00	96.03	83.97	-90.00	4,604.49	507.26	2,523.60	2,355.33	168.27	14.998	
11,100.00	6,227.00	10,424.25	6,227.00	97.37	85.66	-90.00	4,704.44	509.62	2,521.58	2,349.95	171.63	14.692	
11,200.00	6,227.00	10,524.23	6,227.00	98.74	87.36	-90.00	4,804.39	511.99	2,519.56	2,344.56	175.00	14.398	
11,300.00	6,227.00	10,624.21	6,227.00	100.12	89.06	-90.00	4,904.34	514.36	2,517.54	2,339.17	178.37	14.114	
11,400.00	6,227.00	10,724.19	6,227.00	101.51	90.77	-90.00	5,004.30	516.73	2,515.52	2,333.77	181.75	13.840	
11,500.00	6,227.00	10,824.17	6,227.00	102.92	92.47	-90.00	5,104.25	519.09	2,513.50	2,328.36	185.14	13.576	
11,600.00	6,227.00	10,924.15	6,227.00	104.35	94.18	-90.00	5,204.20	521.46	2,511.48	2,322.95	188.53	13.321	
11,700.00	6,227.00	10,999.56	6,227.00	105.79	95.47	-90.00	5,279.59	523.24	2,509.58	2,318.53	191.06	13.135 SF	
11,726.10	6,227.00	10,999.56	6,227.00	106.17	95.47	-90.00	5,279.59	523.24	2,509.45	2,318.45	191.00	13.139	
11,800.00	6,227.00	10,999.56	6,227.00	107.24	95.47	-90.00	5,279.59	523.24	2,510.53	2,319.80	190.74	13.162	
11,900.00	6,227.00	10,999.56	6,227.00	108.71	95.47	-90.00	5,279.59	523.24	2,515.47	2,325.29	190.18	13.227	
12,000.00	6,227.00	10,999.56	6,227.00	110.19	95.47	-90.00	5,279.59	523.24	2,524.35	2,334.97	189.38	13.330	
12,100.00	6,227.00	10,999.56	6,227.00	111.68	95.47	-90.00	5,279.59	523.24	2,537.15	2,348.80	188.35	13.471	
12,200.00	6,227.00	10,999.56	6,227.00	113.18	95.47	-90.00	5,279.59	523.24	2,553.80	2,366.70	187.10	13.650	
12,300.00	6,227.00	10,999.56	6,227.00	114.68	95.47	-90.00	5,279.59	523.24	2,574.23	2,388.59	185.65	13.866	
12,400.00	6,227.00	10,999.56	6,227.00	116.20	95.47	-90.00	5,279.59	523.24	2,598.36	2,414.35	184.01	14.121	
12,500.00	6,227.00	10,999.56	6,227.00	117.73	95.47	-90.00	5,279.59	523.24	2,626.07	2,443.86	182.21	14.413	
12,600.00	6,227.00	10,999.56	6,227.00	119.27	95.47	-90.00	5,279.59	523.24	2,657.26	2,477.00	180.26	14.742	
12,700.00	6,227.00	10,999.56	6,227.00	120.81	95.47	-90.00	5,279.59	523.24	2,691.80	2,513.62	178.18	15.107	
12,800.00	6,227.00	10,999.56	6,227.00	122.37	95.47	-90.00	5,279.59	523.24	2,729.57	2,553.58	176.00	15.509	
12,900.00	6,227.00	10,999.56	6,227.00	123.93	95.47	-90.00	5,279.59	523.24	2,770.44	2,596.72	173.73	15.947	
13,000.00	6,227.00	10,999.56	6,227.00	125.49	95.47	-90.00	5,279.59	523.24	2,814.27	2,642.88	171.39	16.420	
13,100.00	6,227.00	10,999.56	6,227.00	127.07	95.47	-90.00	5,279.59	523.24	2,860.93	2,691.92	169.01	16.928	
13,200.00	6,227.00	10,999.56	6,227.00	128.65	95.47	-90.00	5,279.59	523.24	2,910.27	2,743.69	166.59	17.470	
13,300.00	6,227.00	10,999.56	6,227.00	130.24	95.47	-90.00	5,279.59	523.24	2,962.17	2,798.02	164.15	18.045	
13,400.00	6,227.00	10,999.56	6,227.00	131.83	95.47	-90.00	5,279.59	523.24	3,016.50	2,854.79	161.71	18.654	
13,500.00	6,227.00	10,999.56	6,227.00	133.43	95.47	-90.00	5,279.59	523.24	3,073.11	2,913.84	159.28	19.294	
13,600.00	6,227.00	10,999.56	6,227.00	135.03	95.47	-90.00	5,279.59	523.24	3,131.90	2,975.04	156.86	19.966	
13,700.00	6,227.00	10,999.56	6,227.00	136.64	95.47	-90.00	5,279.59	523.24	3,192.74	3,038.26	154.48	20.668	
13,800.00	6,227.00	10,999.56	6,227.00	138.25	95.47	-90.00	5,279.59	523.24	3,255.51	3,103.39	152.13	21.400	
13,900.00	6,227.00	10,999.56	6,227.00	139.87	95.47	-90.00	5,279.59	523.24	3,320.11	3,170.29	149.82	22.161	
14,000.00	6,227.00	10,999.56	6,227.00	141.50	95.47	-90.00	5,279.59	523.24	3,386.43	3,238.87	147.56	22.950	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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-10-02 - 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	
14,100.00	6,227.00	10,999.56	6,227.00	143.12	95.47	-90.00	5,279.59	523.24	3,454.37	3,309.03	145.35	23.766	
14,200.00	6,227.00	10,999.56	6,227.00	144.76	95.47	-90.00	5,279.59	523.24	3,523.84	3,380.65	143.19	24.609	
14,300.00	6,227.00	10,999.56	6,227.00	146.39	95.47	-90.00	5,279.59	523.24	3,594.75	3,453.66	141.10	25.477	
14,400.00	6,227.00	10,999.56	6,227.00	148.03	95.47	-90.00	5,279.59	523.24	3,667.02	3,527.96	139.06	26.370	
14,500.00	6,227.00	10,999.56	6,227.00	149.67	95.47	-90.00	5,279.59	523.24	3,740.56	3,603.48	137.08	27.287	
14,600.00	6,227.00	10,999.56	6,227.00	151.32	95.47	-90.00	5,279.59	523.24	3,815.31	3,680.14	135.17	28.227	
14,700.00	6,227.00	10,999.56	6,227.00	152.97	95.47	-90.00	5,279.59	523.24	3,891.19	3,757.88	133.31	29.189	
14,800.00	6,227.00	10,999.56	6,227.00	154.62	95.47	-90.00	5,279.59	523.24	3,968.14	3,836.62	131.52	30.172	
14,900.00	6,227.00	10,999.56	6,227.00	156.28	95.47	-90.00	5,279.59	523.24	4,046.10	3,916.32	129.79	31.175	
15,000.00	6,227.00	10,999.56	6,227.00	157.94	95.47	-90.00	5,279.59	523.24	4,125.01	3,996.90	128.11	32.198	
15,100.00	6,227.00	10,999.56	6,227.00	159.60	95.47	-90.00	5,279.59	523.24	4,204.82	4,078.32	126.50	33.240	
15,200.00	6,227.00	10,999.56	6,227.00	161.27	95.47	-90.00	5,279.59	523.24	4,285.47	4,160.53	124.94	34.300	
15,300.00	6,227.00	10,999.56	6,227.00	162.94	95.47	-90.00	5,279.59	523.24	4,366.93	4,243.49	123.44	35.377	
15,400.00	6,227.00	10,999.56	6,227.00	164.61	95.47	-90.00	5,279.59	523.24	4,449.14	4,327.14	121.99	36.470	
15,500.00	6,227.00	10,999.56	6,227.00	166.28	95.47	-90.00	5,279.59	523.24	4,532.06	4,411.46	120.60	37.579	
15,600.00	6,227.00	10,999.56	6,227.00	167.95	95.47	-90.00	5,279.59	523.24	4,615.67	4,496.41	119.26	38.702	
15,700.00	6,227.00	10,999.56	6,227.00	169.63	95.47	-90.00	5,279.59	523.24	4,699.91	4,581.94	117.97	39.840	
15,800.00	6,227.00	10,999.56	6,227.00	171.31	95.47	-90.00	5,279.59	523.24	4,784.76	4,668.04	116.73	40.991	
15,900.00	6,227.00	10,999.56	6,227.00	172.99	95.47	-90.00	5,279.59	523.24	4,870.19	4,754.66	115.53	42.155	
16,000.00	6,227.00	10,999.56	6,227.00	174.68	95.47	-90.00	5,279.59	523.24	4,956.16	4,841.78	114.38	43.330	
16,100.00	6,227.00	10,999.56	6,227.00	176.36	95.47	-90.00	5,279.59	523.24	5,042.65	4,929.37	113.27	44.517	
16,200.00	6,227.00	10,999.56	6,227.00	178.05	95.47	-90.00	5,279.59	523.24	5,129.63	5,017.42	112.21	45.715	
16,300.00	6,227.00	10,999.56	6,227.00	179.74	95.47	-90.00	5,279.59	523.24	5,217.07	5,105.89	111.19	46.922	
16,400.00	6,227.00	10,999.56	6,227.00	181.43	95.47	-90.00	5,279.59	523.24	5,304.96	5,194.76	110.20	48.139	
16,500.00	6,227.00	10,999.56	6,227.00	183.13	95.47	-90.00	5,279.59	523.24	5,393.27	5,284.02	109.25	49.365	
16,600.00	6,227.00	10,999.56	6,227.00	184.82	95.47	-90.00	5,279.59	523.24	5,481.99	5,373.65	108.34	50.599	
16,700.00	6,227.00	10,999.56	6,227.00	186.52	95.47	-90.00	5,279.59	523.24	5,571.08	5,463.62	107.47	51.841	
16,800.00	6,227.00	10,999.56	6,227.00	188.22	95.47	-90.00	5,279.59	523.24	5,660.54	5,553.92	106.62	53.090	
16,900.00	6,227.00	10,999.56	6,227.00	189.92	95.47	-90.00	5,279.59	523.24	5,750.35	5,644.54	105.81	54.345	
17,000.81	6,227.00	10,999.56	6,227.00	191.63	95.47	-90.00	5,279.59	523.24	5,841.22	5,736.19	105.02	55.617	



# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	-105.62	-33.51	-119.83	124.43				
100.00	100.00	100.00	100.00	0.27	0.27	-105.62	-33.51	-119.83	124.43	123.89	0.54	231.407	
200.00	200.00	200.00	200.00	0.63	0.63	-105.62	-33.51	-119.83	124.43	123.17	1.25	99.174	
300.00	300.00	300.00	300.00	0.99	0.99	-105.62	-33.51	-119.83	124.43	122.46	1.97	63.111	CC, ES
400.00	399.98	399.98	399.98	1.34	1.34	171.12	-33.51	-119.83	126.15	123.47	2.68	47.029	
500.00	499.84	499.84	499.84	1.69	1.70	171.45	-33.51	-119.83	131.33	127.93	3.39	38.688	
600.00	599.45	599.45	599.45	2.06	2.06	171.96	-33.51	-119.83	139.95	135.84	4.11	34.044	
700.00	698.70	704.17	704.15	2.44	2.43	172.66	-32.93	-118.03	150.24	145.40	4.84	31.065	
800.00	797.47	809.32	809.13	2.85	2.80	173.53	-31.16	-112.56	160.36	154.80	5.56	28.842	
900.00	895.62	914.84	914.21	3.29	3.18	174.56	-28.19	-103.39	170.33	164.05	6.29	27.090	
1,000.00	993.06	1,020.74	1,019.23	3.76	3.58	175.71	-24.01	-90.49	180.17	173.15	7.02	25.669	
1,100.00	1,089.64	1,127.00	1,124.03	4.27	4.00	176.97	-18.62	-73.85	189.89	182.13	7.76	24.485	
1,200.00	1,185.27	1,233.60	1,228.45	4.83	4.46	178.34	-12.01	-53.45	199.50	191.00	8.50	23.481	
1,300.00	1,279.82	1,334.06	1,326.34	5.45	4.91	179.63	-5.06	-31.98	210.33	201.07	9.26	22.722	
1,400.00	1,373.17	1,432.93	1,422.67	6.12	5.37	-179.22	1.80	-10.80	224.67	214.64	10.03	22.392	
1,500.00	1,465.21	1,531.24	1,518.46	6.85	5.84	-178.22	8.62	10.25	242.53	231.71	10.82	22.415	
1,600.00	1,555.84	1,628.87	1,613.58	7.65	6.31	-177.39	15.39	31.16	263.87	252.25	11.62	22.715	
1,700.00	1,644.94	1,725.70	1,707.92	8.51	6.79	-176.71	22.11	51.90	288.64	276.22	12.42	23.238	
1,800.00	1,732.39	1,821.61	1,801.38	9.45	7.26	-176.17	28.76	72.44	316.80	303.57	13.23	23.940	
1,827.18	1,755.86	1,847.50	1,826.60	9.72	7.39	-176.04	30.56	77.98	325.03	311.58	13.46	24.153	
1,900.00	1,818.58	1,916.78	1,894.10	10.44	7.74	-175.76	35.36	92.82	347.43	333.38	14.05	24.729	
2,000.00	1,904.71	2,011.91	1,986.79	11.46	8.22	-175.44	41.96	113.19	378.19	363.32	14.87	25.436	
2,100.00	1,990.83	2,107.04	2,079.48	12.49	8.70	-175.16	48.56	133.57	408.96	393.26	15.69	26.058	
2,200.00	2,076.96	2,202.17	2,172.17	13.53	9.19	-174.92	55.16	153.94	439.73	423.21	16.53	26.609	
2,300.00	2,163.08	2,297.31	2,264.86	14.57	9.67	-174.71	61.76	174.31	470.52	453.15	17.36	27.098	
2,400.00	2,249.21	2,392.44	2,357.55	15.62	10.16	-174.53	68.36	194.69	501.31	483.10	18.21	27.536	
2,500.00	2,335.33	2,487.57	2,450.24	16.68	10.65	-174.37	74.95	215.06	532.10	513.05	19.05	27.929	
2,600.00	2,421.45	2,582.70	2,542.93	17.74	11.14	-174.23	81.55	235.43	562.89	542.99	19.90	28.284	
2,700.00	2,507.58	2,677.83	2,635.62	18.81	11.63	-174.10	88.15	255.81	593.69	572.94	20.75	28.606	
2,800.00	2,593.70	2,772.96	2,728.31	19.87	12.12	-173.98	94.75	276.18	624.49	602.88	21.61	28.899	
2,900.00	2,679.83	2,868.09	2,821.00	20.94	12.62	-173.88	101.35	296.55	655.30	632.83	22.47	29.167	
3,000.00	2,765.95	2,963.22	2,913.69	22.01	13.11	-173.78	107.95	316.93	686.10	662.77	23.33	29.412	
3,100.00	2,852.08	3,058.35	3,006.38	23.09	13.61	-173.70	114.55	337.30	716.91	692.72	24.19	29.638	
3,200.00	2,938.20	3,153.49	3,099.06	24.16	14.10	-173.62	121.14	357.67	747.71	722.66	25.05	29.846	
3,300.00	3,024.32	3,248.62	3,191.75	25.24	14.60	-173.54	127.74	378.05	778.52	752.61	25.92	30.038	
3,400.00	3,110.45	3,343.75	3,284.44	26.32	15.09	-173.48	134.34	398.42	809.33	782.55	26.78	30.217	
3,500.00	3,196.57	3,438.88	3,377.13	27.40	15.59	-173.41	140.94	418.80	840.14	812.49	27.65	30.383	
3,600.00	3,282.70	3,534.01	3,469.82	28.48	16.09	-173.35	147.54	439.17	870.96	842.44	28.52	30.537	
3,700.00	3,368.82	3,629.14	3,562.51	29.56	16.59	-173.30	154.14	459.54	901.77	872.38	29.39	30.682	
3,800.00	3,454.95	3,724.27	3,655.20	30.64	17.08	-173.25	160.74	479.92	932.58	902.32	30.26	30.817	
3,900.00	3,541.07	3,819.40	3,747.89	31.72	17.58	-173.20	167.34	500.29	963.40	932.26	31.13	30.944	
4,000.00	3,627.19	3,914.54	3,840.58	32.80	18.08	-173.16	173.93	520.66	994.21	962.20	32.01	31.063	
4,100.00	3,713.32	4,009.67	3,933.27	33.89	18.58	-173.11	180.53	541.04	1,025.03	992.15	32.88	31.175	
4,200.00	3,799.44	4,104.80	4,025.96	34.97	19.08	-173.07	187.13	561.41	1,055.84	1,022.09	33.75	31.280	
4,300.00	3,885.57	4,199.93	4,118.65	36.05	19.58	-173.04	193.73	581.78	1,086.66	1,052.03	34.63	31.380	
4,400.00	3,971.69	4,295.06	4,211.34	37.14	20.08	-173.00	200.33	602.16	1,117.47	1,081.97	35.50	31.474	
4,500.00	4,057.82	4,390.19	4,304.03	38.22	20.58	-172.97	206.93	622.53	1,148.29	1,111.91	36.38	31.563	
4,600.00	4,143.94	4,485.32	4,396.72	39.31	21.08	-172.94	213.53	642.90	1,179.11	1,141.85	37.26	31.648	
4,700.00	4,230.06	4,580.45	4,489.41	40.39	21.58	-172.91	220.12	663.28	1,209.92	1,171.79	38.13	31.728	
4,800.00	4,316.19	4,675.58	4,582.09	41.48	22.08	-172.88	226.72	683.65	1,240.74	1,201.73	39.01	31.804	
4,900.00	4,402.31	4,770.72	4,674.78	42.57	22.58	-172.85	233.32	704.02	1,271.56	1,231.67	39.89	31.876	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
5,000.00	4,488.44	4,865.85	4,767.47	43.65	23.08	-172.82	239.92	724.40	1,302.38	1,261.61	40.77	31.946	
5,100.00	4,574.56	4,960.98	4,860.16	44.74	23.58	-172.80	246.52	744.77	1,333.20	1,291.55	41.65	32.011	
5,200.00	4,660.69	5,056.11	4,952.85	45.83	24.08	-172.78	253.12	765.14	1,364.01	1,321.49	42.53	32.074	
5,300.00	4,746.81	5,151.24	5,045.54	46.91	24.58	-172.75	259.72	785.52	1,394.83	1,351.43	43.41	32.134	
5,400.00	4,832.93	5,246.37	5,138.23	48.00	25.08	-172.73	266.32	805.89	1,425.65	1,381.37	44.29	32.192	
5,500.00	4,919.06	5,341.50	5,230.92	49.09	25.58	-172.71	272.91	826.26	1,456.47	1,411.30	45.17	32.247	
5,600.00	5,005.18	5,436.63	5,323.61	50.17	26.08	-172.69	279.51	846.64	1,487.29	1,441.24	46.05	32.299	
5,700.00	5,091.31	5,531.77	5,416.30	51.26	26.58	-172.67	286.11	867.01	1,518.11	1,471.18	46.93	32.350	
5,800.00	5,177.43	5,626.90	5,508.99	52.35	27.08	-172.65	292.71	887.39	1,548.93	1,501.12	47.81	32.398	
5,900.00	5,263.56	5,722.03	5,601.68	53.44	27.58	-172.64	299.31	907.76	1,579.75	1,531.06	48.69	32.444	
6,000.00	5,349.68	5,817.16	5,694.37	54.53	28.09	-172.62	305.91	928.13	1,610.57	1,561.00	49.57	32.489	
6,100.00	5,435.80	5,914.89	5,788.88	55.61	28.62	-172.38	318.63	949.05	1,641.32	1,590.78	50.55	32.472	
6,200.00	5,521.93	6,008.57	5,876.19	56.70	29.16	-171.62	345.90	968.74	1,672.07	1,620.41	51.66	32.364	
6,300.00	5,608.05	6,093.47	5,950.58	57.79	29.66	-170.50	382.91	985.84	1,703.38	1,650.52	52.86	32.222	
6,400.00	5,694.18	6,167.65	6,010.53	58.88	30.11	-169.22	424.17	999.90	1,735.97	1,681.89	54.08	32.102	
6,479.32	5,762.49	6,218.74	6,048.54	59.74	30.42	-168.19	457.05	1,008.97	1,763.18	1,708.18	55.00	32.058	
6,500.00	5,780.28	6,231.18	6,057.35	59.97	30.50	-163.70	465.58	1,011.09	1,770.48	1,715.25	55.23	32.056	
6,550.00	5,822.98	6,261.08	6,077.76	60.51	30.68	-153.25	486.86	1,016.05	1,788.17	1,732.39	55.78	32.058	
6,600.00	5,865.00	6,290.77	6,096.92	61.05	30.87	-143.62	509.04	1,020.76	1,805.77	1,749.46	56.31	32.069	
6,650.00	5,906.01	6,320.30	6,114.83	61.57	31.05	-134.98	532.09	1,025.21	1,823.09	1,766.27	56.82	32.086	
6,700.00	5,945.70	6,350.00	6,131.65	62.08	31.24	-127.36	556.19	1,029.45	1,839.96	1,782.65	57.31	32.106	
6,750.00	5,983.77	6,379.02	6,146.88	62.56	31.43	-120.72	580.58	1,033.35	1,856.21	1,798.45	57.76	32.136	
6,800.00	6,019.92	6,400.00	6,157.12	63.02	31.56	-115.07	598.70	1,036.01	1,871.72	1,813.73	57.98	32.281	
6,850.00	6,053.90	6,437.44	6,173.76	63.45	31.81	-110.02	631.93	1,040.43	1,886.25	1,827.66	58.59	32.195	
6,900.00	6,085.42	6,466.57	6,185.21	63.86	32.00	-105.77	658.54	1,043.56	1,899.77	1,840.81	58.96	32.222	
6,950.00	6,114.26	6,500.00	6,196.71	64.23	32.22	-102.12	689.75	1,046.81	1,912.14	1,852.72	59.41	32.183	
7,000.00	6,140.20	6,524.74	6,204.05	64.58	32.39	-99.10	713.27	1,048.97	1,923.22	1,863.60	59.61	32.261	
7,050.00	6,163.03	6,550.00	6,210.52	64.89	32.56	-96.57	737.61	1,050.96	1,932.95	1,873.15	59.80	32.325	
7,100.00	6,182.59	6,582.78	6,217.35	65.17	32.79	-94.46	769.59	1,053.20	1,941.23	1,881.06	60.17	32.262	
7,150.00	6,198.73	6,611.77	6,221.88	65.42	32.99	-92.80	798.17	1,054.87	1,948.00	1,887.58	60.42	32.241	
7,200.00	6,211.32	6,650.00	6,225.68	65.65	33.26	-91.49	836.16	1,056.60	1,953.24	1,892.33	60.91	32.066	
7,250.00	6,220.26	6,669.64	6,226.67	65.84	33.40	-90.65	855.76	1,057.28	1,956.80	1,895.91	60.89	32.136	
7,300.00	6,225.50	6,705.17	6,227.00	66.01	33.66	-90.12	891.28	1,058.20	1,958.73	1,897.42	61.31	31.950	
7,344.70	6,227.00	6,749.84	6,227.00	66.14	34.00	-90.00	935.94	1,059.26	1,958.71	1,896.64	62.07	31.558	
7,400.00	6,227.00	6,805.12	6,227.00	66.29	34.43	-90.00	991.21	1,060.57	1,957.59	1,894.54	63.04	31.052	
7,500.00	6,227.00	6,905.10	6,227.00	66.58	35.28	-90.00	1,091.16	1,062.94	1,955.56	1,890.63	64.93	30.116	
7,600.00	6,227.00	7,005.08	6,227.00	66.90	36.19	-90.00	1,191.11	1,065.31	1,953.54	1,886.58	66.96	29.176	
7,700.00	6,227.00	7,105.06	6,227.00	67.24	37.17	-90.00	1,291.06	1,067.68	1,951.51	1,882.41	69.10	28.241	
7,800.00	6,227.00	7,205.04	6,227.00	67.61	38.21	-90.00	1,391.01	1,070.06	1,949.49	1,878.13	71.36	27.320	
7,900.00	6,227.00	7,305.02	6,227.00	68.00	39.30	-90.00	1,490.96	1,072.43	1,947.47	1,873.75	73.71	26.419	
8,000.00	6,227.00	7,405.00	6,227.00	68.43	40.45	-90.00	1,590.92	1,074.80	1,945.44	1,869.28	76.16	25.544	
8,100.00	6,227.00	7,504.98	6,227.00	68.88	41.64	-90.00	1,690.87	1,077.17	1,943.42	1,864.73	78.69	24.698	
8,200.00	6,227.00	7,604.96	6,227.00	69.36	42.87	-90.00	1,790.82	1,079.54	1,941.39	1,860.10	81.29	23.882	
8,300.00	6,227.00	7,704.94	6,227.00	69.88	44.14	-90.00	1,890.77	1,081.92	1,939.37	1,855.41	83.96	23.098	
8,400.00	6,227.00	7,804.92	6,227.00	70.43	45.45	-90.00	1,990.72	1,084.29	1,937.35	1,850.65	86.70	22.346	
8,500.00	6,227.00	7,904.90	6,227.00	71.00	46.79	-90.00	2,090.67	1,086.66	1,935.32	1,845.84	89.49	21.627	
8,600.00	6,227.00	8,004.88	6,227.00	71.62	48.16	-90.00	2,190.62	1,089.03	1,933.30	1,840.97	92.33	20.940	
8,700.00	6,227.00	8,104.86	6,227.00	72.26	49.55	-90.00	2,290.58	1,091.40	1,931.27	1,836.06	95.21	20.283	
8,800.00	6,227.00	8,204.84	6,227.00	72.94	50.97	-90.00	2,390.53	1,093.78	1,929.25	1,831.11	98.14	19.657	
8,900.00	6,227.00	8,304.82	6,227.00	73.66	52.41	-90.00	2,490.48	1,096.15	1,927.23	1,826.11	101.11	19.060	
9,000.00	6,227.00	8,404.80	6,227.00	74.41	53.87	-90.00	2,590.43	1,098.52	1,925.20	1,821.09	104.12	18.491	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,100.00	6,227.00	8,504.78	6,227.00	75.19	55.35	-90.00	2,690.38	1,100.89	1,923.18	1,816.03	107.15	17.948	
9,200.00	6,227.00	8,604.76	6,227.00	76.01	56.85	-90.00	2,790.33	1,103.26	1,921.15	1,810.94	110.22	17.431	
9,300.00	6,227.00	8,704.74	6,227.00	76.86	58.36	-90.00	2,890.28	1,105.63	1,919.13	1,805.82	113.31	16.937	
9,400.00	6,227.00	8,804.71	6,227.00	77.75	59.89	-90.00	2,990.23	1,108.01	1,917.11	1,800.68	116.43	16.466	
9,500.00	6,227.00	8,904.69	6,227.00	78.67	61.43	-90.00	3,090.19	1,110.38	1,915.08	1,795.51	119.57	16.016	
9,600.00	6,227.00	9,004.67	6,227.00	79.63	62.98	-90.00	3,190.14	1,112.75	1,913.06	1,790.32	122.74	15.587	
9,700.00	6,227.00	9,104.65	6,227.00	80.62	64.54	-90.00	3,290.09	1,115.12	1,911.03	1,785.11	125.92	15.177	
9,800.00	6,227.00	9,204.63	6,227.00	81.64	66.12	-90.00	3,390.04	1,117.49	1,909.01	1,779.89	129.12	14.785	
9,900.00	6,227.00	9,304.61	6,227.00	82.69	67.70	-90.00	3,489.99	1,119.87	1,906.99	1,774.64	132.34	14.410	
10,000.00	6,227.00	9,404.59	6,227.00	83.77	69.30	-90.00	3,589.94	1,122.24	1,904.96	1,769.39	135.58	14.051	
10,100.00	6,227.00	9,504.57	6,227.00	84.88	70.90	-90.00	3,689.89	1,124.61	1,902.94	1,764.11	138.83	13.707	
10,200.00	6,227.00	9,604.55	6,227.00	86.02	72.51	-90.00	3,789.85	1,126.98	1,900.91	1,758.82	142.09	13.378	
10,300.00	6,227.00	9,704.53	6,227.00	87.19	74.12	-90.00	3,889.80	1,129.35	1,898.89	1,753.52	145.37	13.063	
10,400.00	6,227.00	9,804.51	6,227.00	88.38	75.75	-90.00	3,989.75	1,131.73	1,896.87	1,748.21	148.66	12.760	
10,500.00	6,227.00	9,904.49	6,227.00	89.60	77.38	-90.00	4,089.70	1,134.10	1,894.84	1,742.89	151.96	12.470	
10,600.00	6,227.00	10,004.47	6,227.00	90.84	79.01	-90.00	4,189.65	1,136.47	1,892.82	1,737.55	155.27	12.191	
10,700.00	6,227.00	10,104.45	6,227.00	92.11	80.66	-90.00	4,289.60	1,138.84	1,890.79	1,732.21	158.59	11.923	
10,800.00	6,227.00	10,204.43	6,227.00	93.39	82.30	-90.00	4,389.55	1,141.21	1,888.77	1,726.85	161.92	11.665	
10,900.00	6,227.00	10,304.41	6,227.00	94.70	83.95	-90.00	4,489.51	1,143.58	1,886.75	1,721.49	165.25	11.417	
11,000.00	6,227.00	10,404.39	6,227.00	96.03	85.61	-90.00	4,589.46	1,145.96	1,884.72	1,716.12	168.60	11.179	
11,100.00	6,227.00	10,504.37	6,227.00	97.37	87.27	-90.00	4,689.41	1,148.33	1,882.70	1,710.74	171.95	10.949	
11,200.00	6,227.00	10,604.35	6,227.00	98.74	88.94	-90.00	4,789.36	1,150.70	1,880.67	1,705.36	175.32	10.727	
11,300.00	6,227.00	10,704.33	6,227.00	100.12	90.61	-90.00	4,889.31	1,153.07	1,878.65	1,699.96	178.68	10.514	
11,400.00	6,227.00	10,804.31	6,227.00	101.51	92.28	-90.00	4,989.26	1,155.44	1,876.62	1,694.57	182.06	10.308	
11,500.00	6,227.00	10,904.28	6,227.00	102.92	93.96	-90.00	5,089.21	1,157.82	1,874.60	1,689.16	185.44	10.109	
11,600.00	6,227.00	11,004.26	6,227.00	104.35	95.64	-90.00	5,189.17	1,160.19	1,872.58	1,683.75	188.83	9.917	
11,700.00	6,227.00	11,097.28	6,227.00	105.79	97.20	-90.00	5,282.16	1,162.39	1,870.57	1,678.67	191.90	9.748 SF	
11,730.90	6,227.00	11,097.28	6,227.00	106.24	97.20	-90.00	5,282.16	1,162.39	1,870.31	1,678.82	191.49	9.767	
11,800.00	6,227.00	11,097.28	6,227.00	107.24	97.20	-90.00	5,282.16	1,162.39	1,871.59	1,681.16	190.43	9.828	
11,900.00	6,227.00	11,097.28	6,227.00	108.71	97.20	-90.00	5,282.16	1,162.39	1,877.94	1,689.42	188.52	9.961	
12,000.00	6,227.00	11,097.28	6,227.00	110.19	97.20	-90.00	5,282.16	1,162.39	1,889.57	1,703.35	186.22	10.147	
12,100.00	6,227.00	11,097.28	6,227.00	111.68	97.20	-90.00	5,282.16	1,162.39	1,906.38	1,722.84	183.54	10.387	
12,200.00	6,227.00	11,097.28	6,227.00	113.18	97.20	-90.00	5,282.16	1,162.39	1,928.24	1,747.69	180.55	10.680	
12,300.00	6,227.00	11,097.28	6,227.00	114.68	97.20	-90.00	5,282.16	1,162.39	1,954.98	1,777.69	177.28	11.027	
12,400.00	6,227.00	11,097.28	6,227.00	116.20	97.20	-90.00	5,282.16	1,162.39	1,986.39	1,812.59	173.80	11.429	
12,500.00	6,227.00	11,097.28	6,227.00	117.73	97.20	-90.00	5,282.16	1,162.39	2,022.27	1,852.12	170.15	11.885	
12,600.00	6,227.00	11,097.28	6,227.00	119.27	97.20	-90.00	5,282.16	1,162.39	2,062.37	1,895.98	166.39	12.395	
12,700.00	6,227.00	11,097.28	6,227.00	120.81	97.20	-90.00	5,282.16	1,162.39	2,106.47	1,943.90	162.57	12.958	
12,800.00	6,227.00	11,097.28	6,227.00	122.37	97.20	-90.00	5,282.16	1,162.39	2,154.30	1,995.59	158.72	13.573	
12,900.00	6,227.00	11,097.28	6,227.00	123.93	97.20	-90.00	5,282.16	1,162.39	2,205.64	2,050.75	154.89	14.240	
13,000.00	6,227.00	11,097.28	6,227.00	125.49	97.20	-90.00	5,282.16	1,162.39	2,260.24	2,109.13	151.11	14.958	
13,100.00	6,227.00	11,097.28	6,227.00	127.07	97.20	-90.00	5,282.16	1,162.39	2,317.86	2,170.46	147.40	15.725	
13,200.00	6,227.00	11,097.28	6,227.00	128.65	97.20	-90.00	5,282.16	1,162.39	2,378.30	2,234.51	143.79	16.540	
13,300.00	6,227.00	11,097.28	6,227.00	130.24	97.20	-90.00	5,282.16	1,162.39	2,441.34	2,301.04	140.29	17.402	
13,400.00	6,227.00	11,097.28	6,227.00	131.83	97.20	-90.00	5,282.16	1,162.39	2,506.78	2,369.86	136.92	18.308	
13,500.00	6,227.00	11,097.28	6,227.00	133.43	97.20	-90.00	5,282.16	1,162.39	2,574.44	2,440.76	133.69	19.257	
13,600.00	6,227.00	11,097.28	6,227.00	135.03	97.20	-90.00	5,282.16	1,162.39	2,644.16	2,513.57	130.59	20.248	
13,700.00	6,227.00	11,097.28	6,227.00	136.64	97.20	-90.00	5,282.16	1,162.39	2,715.77	2,588.13	127.64	21.277	
13,800.00	6,227.00	11,097.28	6,227.00	138.25	97.20	-90.00	5,282.16	1,162.39	2,789.13	2,664.30	124.83	22.344	
13,900.00	6,227.00	11,097.28	6,227.00	139.87	97.20	-90.00	5,282.16	1,162.39	2,864.10	2,741.94	122.16	23.446	
14,000.00	6,227.00	11,097.28	6,227.00	141.50	97.20	-90.00	5,282.16	1,162.39	2,940.55	2,820.92	119.63	24.580	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
14,100.00	6,227.00	11,097.28	6,227.00	143.12	97.20	-90.00	5,282.16	1,162.39	3,018.39	2,901.15	117.24	25.746	
14,200.00	6,227.00	11,097.28	6,227.00	144.76	97.20	-90.00	5,282.16	1,162.39	3,097.50	2,982.52	114.98	26.940	
14,300.00	6,227.00	11,097.28	6,227.00	146.39	97.20	-90.00	5,282.16	1,162.39	3,177.79	3,064.94	112.84	28.161	
14,400.00	6,227.00	11,097.28	6,227.00	148.03	97.20	-90.00	5,282.16	1,162.39	3,259.16	3,148.33	110.83	29.407	
14,500.00	6,227.00	11,097.28	6,227.00	149.67	97.20	-90.00	5,282.16	1,162.39	3,341.55	3,232.61	108.94	30.674	
14,600.00	6,227.00	11,097.28	6,227.00	151.32	97.20	-90.00	5,282.16	1,162.39	3,424.88	3,317.72	107.15	31.963	
14,700.00	6,227.00	11,097.28	6,227.00	152.97	97.20	-90.00	5,282.16	1,162.39	3,509.07	3,403.60	105.47	33.270	
14,800.00	6,227.00	11,097.28	6,227.00	154.62	97.20	-90.00	5,282.16	1,162.39	3,594.08	3,490.18	103.90	34.593	
14,900.00	6,227.00	11,097.28	6,227.00	156.28	97.20	-90.00	5,282.16	1,162.39	3,679.84	3,577.43	102.41	35.931	
15,000.00	6,227.00	11,097.28	6,227.00	157.94	97.20	-90.00	5,282.16	1,162.39	3,766.30	3,665.28	101.02	37.282	
15,100.00	6,227.00	11,097.28	6,227.00	159.60	97.20	-90.00	5,282.16	1,162.39	3,853.42	3,753.71	99.71	38.645	
15,200.00	6,227.00	11,097.28	6,227.00	161.27	97.20	-90.00	5,282.16	1,162.39	3,941.15	3,842.67	98.49	40.017	
15,300.00	6,227.00	11,097.28	6,227.00	162.94	97.20	-90.00	5,282.16	1,162.39	4,029.46	3,932.12	97.34	41.398	
15,400.00	6,227.00	11,097.28	6,227.00	164.61	97.20	-90.00	5,282.16	1,162.39	4,118.29	4,022.04	96.26	42.785	
15,500.00	6,227.00	11,097.28	6,227.00	166.28	97.20	-90.00	5,282.16	1,162.39	4,207.63	4,112.39	95.24	44.178	
15,600.00	6,227.00	11,097.28	6,227.00	167.95	97.20	-90.00	5,282.16	1,162.39	4,297.44	4,203.14	94.29	45.575	
15,700.00	6,227.00	11,097.28	6,227.00	169.63	97.20	-90.00	5,282.16	1,162.39	4,387.69	4,294.28	93.40	46.975	
15,800.00	6,227.00	11,097.28	6,227.00	171.31	97.20	-90.00	5,282.16	1,162.39	4,478.35	4,385.78	92.57	48.377	
15,900.00	6,227.00	11,097.28	6,227.00	172.99	97.20	-90.00	5,282.16	1,162.39	4,569.40	4,477.61	91.79	49.780	
16,000.00	6,227.00	11,097.28	6,227.00	174.68	97.20	-90.00	5,282.16	1,162.39	4,660.82	4,569.76	91.06	51.183	
16,100.00	6,227.00	11,097.28	6,227.00	176.36	97.20	-90.00	5,282.16	1,162.39	4,752.59	4,662.21	90.38	52.586	
16,200.00	6,227.00	11,097.28	6,227.00	178.05	97.20	-90.00	5,282.16	1,162.39	4,844.68	4,754.94	89.74	53.986	
16,300.00	6,227.00	11,097.28	6,227.00	179.74	97.20	-90.00	5,282.16	1,162.39	4,937.07	4,847.93	89.14	55.385	
16,400.00	6,227.00	11,097.28	6,227.00	181.43	97.20	-90.00	5,282.16	1,162.39	5,029.76	4,941.18	88.58	56.781	
16,500.00	6,227.00	11,097.28	6,227.00	183.13	97.20	-90.00	5,282.16	1,162.39	5,122.73	5,034.67	88.06	58.173	
16,600.00	6,227.00	11,097.28	6,227.00	184.82	97.20	-90.00	5,282.16	1,162.39	5,215.95	5,128.38	87.57	59.562	
16,700.00	6,227.00	11,097.28	6,227.00	186.52	97.20	-90.00	5,282.16	1,162.39	5,309.42	5,222.31	87.12	60.946	
16,800.00	6,227.00	11,097.28	6,227.00	188.22	97.20	-90.00	5,282.16	1,162.39	5,403.13	5,316.44	86.69	62.325	
16,900.00	6,227.00	11,097.28	6,227.00	189.92	97.20	-90.00	5,282.16	1,162.39	5,497.06	5,410.76	86.30	63.700	
17,000.81	6,227.00	11,097.28	6,227.00	191.63	97.20	-90.00	5,282.16	1,162.39	5,591.95	5,506.03	85.93	65.079	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-114.03	-53.55	-120.11	131.51				
100.00	100.00	100.00	100.00	0.27	0.27	-114.03	-53.55	-120.11	131.51	130.97	0.54	244.572	
200.00	200.00	200.00	200.00	0.63	0.63	-114.03	-53.55	-120.11	131.51	130.25	1.25	104.817	
300.00	300.00	300.00	300.00	0.99	0.99	-114.03	-53.55	-120.11	131.51	129.54	1.97	66.701	CC, ES
400.00	399.98	399.98	399.98	1.34	1.34	162.81	-53.55	-120.11	133.17	130.49	2.68	49.646	
500.00	499.84	499.84	499.84	1.69	1.70	163.42	-53.55	-120.11	138.18	134.79	3.39	40.706	
600.00	599.45	604.69	604.67	2.06	2.07	164.28	-53.13	-118.24	144.77	140.65	4.12	35.156	
700.00	698.70	709.82	709.63	2.44	2.44	165.20	-51.87	-112.62	151.13	146.29	4.84	31.224	
800.00	797.47	815.21	814.58	2.85	2.83	166.17	-49.76	-103.21	157.28	151.72	5.57	28.250	
900.00	895.62	920.86	919.35	3.29	3.23	167.20	-46.79	-90.00	163.22	156.92	6.30	25.910	
1,000.00	993.06	1,026.75	1,023.79	3.76	3.65	168.28	-42.97	-72.99	168.95	161.91	7.04	24.012	
1,100.00	1,089.64	1,132.88	1,127.75	4.27	4.11	169.41	-38.30	-52.18	174.47	166.69	7.78	22.426	
1,200.00	1,185.27	1,239.24	1,231.06	4.83	4.61	170.59	-32.77	-27.57	179.80	171.28	8.52	21.105	
1,300.00	1,279.82	1,345.82	1,333.58	5.45	5.16	171.81	-26.39	0.83	184.94	175.67	9.27	19.946	
1,400.00	1,373.17	1,452.60	1,435.14	6.12	5.75	173.08	-19.16	33.00	189.89	179.86	10.03	18.937	
1,500.00	1,465.21	1,553.63	1,530.43	6.85	6.36	174.33	-11.81	65.75	195.91	185.08	10.82	18.098	
1,600.00	1,555.84	1,653.08	1,624.21	7.65	6.99	175.55	-4.55	98.05	205.42	193.78	11.64	17.644	
1,700.00	1,644.94	1,752.12	1,717.60	8.51	7.62	176.72	2.67	130.22	218.48	206.01	12.47	17.517	
1,800.00	1,732.39	1,850.64	1,810.50	9.45	8.26	177.79	9.86	162.22	235.07	221.76	13.31	17.655	
1,827.18	1,755.86	1,877.30	1,835.64	9.72	8.43	178.06	11.81	170.88	240.18	226.64	13.55	17.730	
1,900.00	1,818.58	1,948.70	1,902.97	10.44	8.90	178.74	17.01	194.07	254.26	240.09	14.17	17.947	
2,000.00	1,904.71	2,046.73	1,995.41	11.46	9.55	179.56	24.17	225.91	273.63	258.60	15.03	18.210	
2,100.00	1,990.83	2,144.77	2,087.85	12.49	10.21	-179.72	31.32	257.75	293.04	277.15	15.89	18.437	
2,200.00	2,076.96	2,242.80	2,180.30	13.53	10.87	-179.10	38.47	289.59	312.50	295.73	16.77	18.632	
2,300.00	2,163.08	2,340.84	2,272.74	14.57	11.53	-178.55	45.62	321.44	331.99	314.33	17.66	18.803	
2,400.00	2,249.21	2,438.87	2,365.19	15.62	12.20	-178.06	52.77	353.28	351.50	332.95	18.55	18.951	
2,500.00	2,335.33	2,536.91	2,457.63	16.68	12.87	-177.62	59.93	385.12	371.04	351.59	19.45	19.081	
2,600.00	2,421.45	2,634.95	2,550.08	17.74	13.54	-177.23	67.08	416.96	390.59	370.24	20.35	19.196	
2,700.00	2,507.58	2,732.98	2,642.52	18.81	14.22	-176.87	74.23	448.80	410.16	388.91	21.26	19.297	
2,800.00	2,593.70	2,831.02	2,734.97	19.87	14.89	-176.54	81.38	480.64	429.75	407.58	22.17	19.387	
2,900.00	2,679.83	2,929.05	2,827.41	20.94	15.57	-176.25	88.53	512.48	449.34	426.26	23.08	19.467	
3,000.00	2,765.95	3,027.09	2,919.85	22.01	16.25	-175.98	95.69	544.33	468.95	444.95	24.00	19.539	
3,100.00	2,852.08	3,125.12	3,012.30	23.09	16.93	-175.73	102.84	576.17	488.57	463.64	24.92	19.603	
3,200.00	2,938.20	3,223.16	3,104.74	24.16	17.61	-175.50	109.99	608.01	508.19	482.35	25.85	19.661	
3,300.00	3,024.32	3,321.20	3,197.19	25.24	18.29	-175.28	117.14	639.85	527.83	501.05	26.78	19.713	
3,400.00	3,110.45	3,419.23	3,289.63	26.32	18.97	-175.08	124.29	671.69	547.46	519.76	27.71	19.760	
3,500.00	3,196.57	3,517.27	3,382.08	27.40	19.65	-174.90	131.45	703.53	567.11	538.47	28.64	19.803	
3,600.00	3,282.70	3,615.30	3,474.52	28.48	20.33	-174.73	138.60	735.38	586.76	557.19	29.57	19.842	
3,700.00	3,368.82	3,713.34	3,566.96	29.56	21.02	-174.57	145.75	767.22	606.41	575.91	30.51	19.878	
3,800.00	3,454.95	3,811.37	3,659.41	30.64	21.70	-174.42	152.90	799.06	626.07	594.63	31.44	19.911	
3,900.00	3,541.07	3,909.41	3,751.85	31.72	22.38	-174.28	160.05	830.90	645.74	613.35	32.38	19.941	
4,000.00	3,627.19	4,007.45	3,844.30	32.80	23.07	-174.14	167.21	862.74	665.40	632.08	33.32	19.968	
4,100.00	3,713.32	4,105.48	3,936.74	33.89	23.75	-174.02	174.36	894.58	685.07	650.81	34.26	19.993	
4,200.00	3,799.44	4,203.52	4,029.19	34.97	24.44	-173.90	181.51	926.43	704.75	669.54	35.21	20.017	
4,300.00	3,885.57	4,301.55	4,121.63	36.05	25.12	-173.79	188.66	958.27	724.42	688.27	36.15	20.038	
4,400.00	3,971.69	4,399.59	4,214.07	37.14	25.81	-173.68	195.81	990.11	744.10	707.00	37.10	20.058	
4,500.00	4,057.82	4,497.62	4,306.52	38.22	26.50	-173.58	202.96	1,021.95	763.78	725.74	38.04	20.077	
4,600.00	4,143.94	4,595.66	4,398.96	39.31	27.18	-173.48	210.12	1,053.79	783.46	744.47	38.99	20.094	
4,700.00	4,230.06	4,693.69	4,491.41	40.39	27.87	-173.39	217.27	1,085.63	803.15	763.21	39.94	20.110	
4,800.00	4,316.19	4,791.73	4,583.85	41.48	28.56	-173.31	224.42	1,117.48	822.83	781.95	40.89	20.125	
4,900.00	4,402.31	4,889.77	4,676.30	42.57	29.24	-173.22	231.57	1,149.32	842.52	800.69	41.83	20.139	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
5,000.00	4,488.44	4,987.80	4,768.74	43.65	29.93	-173.14	238.72	1,181.16	862.21	819.43	42.78	20.152		
5,100.00	4,574.56	5,085.84	4,861.18	44.74	30.62	-173.07	245.88	1,213.00	881.90	838.17	43.74	20.164		
5,200.00	4,660.69	5,183.87	4,953.63	45.83	31.30	-173.00	253.03	1,244.84	901.60	856.91	44.69	20.176		
5,300.00	4,746.81	5,281.91	5,046.07	46.91	31.99	-172.93	260.18	1,276.68	921.29	875.65	45.64	20.187		
5,400.00	4,832.93	5,379.94	5,138.52	48.00	32.68	-172.86	267.33	1,308.52	940.98	894.39	46.59	20.197		
5,500.00	4,919.06	5,477.98	5,230.96	49.09	33.37	-172.80	274.48	1,340.37	960.68	913.14	47.54	20.206		
5,600.00	5,005.18	5,576.02	5,323.41	50.17	34.06	-172.74	281.64	1,372.21	980.38	931.88	48.50	20.215		
5,700.00	5,091.31	5,674.05	5,415.85	51.26	34.74	-172.68	288.79	1,404.05	1,000.08	950.63	49.45	20.223		
5,800.00	5,177.43	5,772.09	5,508.30	52.35	35.43	-172.62	295.94	1,435.89	1,019.78	969.37	50.41	20.231		
5,900.00	5,263.56	5,870.12	5,600.74	53.44	36.12	-172.57	303.09	1,467.73	1,039.48	988.12	51.36	20.239		
6,000.00	5,349.68	5,968.16	5,693.18	54.53	36.81	-172.52	310.24	1,499.57	1,059.18	1,006.86	52.32	20.246		
6,100.00	5,435.80	6,066.30	5,785.37	55.61	37.50	-172.29	320.58	1,531.40	1,078.88	1,025.54	53.33	20.229		
6,200.00	5,521.93	6,160.94	5,871.60	56.70	38.19	-171.31	344.99	1,561.52	1,098.75	1,044.13	54.62	20.117		
6,300.00	5,608.05	6,247.46	5,946.02	57.79	38.82	-169.75	380.17	1,587.86	1,119.57	1,063.43	56.13	19.944		
6,400.00	5,694.18	6,323.49	6,006.59	58.88	39.36	-167.91	420.60	1,609.56	1,142.41	1,084.62	57.78	19.770		
6,479.32	5,762.49	6,376.05	6,045.20	59.74	39.73	-166.41	453.36	1,623.57	1,162.68	1,103.59	59.09	19.677		
6,500.00	5,780.28	6,388.85	6,054.15	59.97	39.82	-161.99	461.89	1,626.84	1,168.30	1,108.88	59.42	19.663		
6,550.00	5,822.98	6,419.51	6,074.85	60.51	40.03	-151.73	483.19	1,634.44	1,182.06	1,121.90	60.16	19.647		
6,600.00	5,865.00	6,450.00	6,094.33	61.05	40.23	-142.28	505.51	1,641.64	1,195.94	1,135.09	60.85	19.655		
6,650.00	5,906.01	6,479.85	6,112.28	61.57	40.43	-133.81	528.41	1,648.33	1,209.75	1,148.31	61.45	19.688		
6,700.00	5,945.70	6,509.64	6,129.03	62.08	40.62	-126.36	552.22	1,654.64	1,223.33	1,161.36	61.97	19.742		
6,750.00	5,983.77	6,539.23	6,144.48	62.56	40.81	-119.88	576.75	1,660.51	1,236.49	1,174.09	62.40	19.815		
6,800.00	6,019.92	6,568.64	6,158.63	63.02	41.00	-114.27	601.95	1,665.96	1,249.11	1,186.35	62.76	19.904		
6,850.00	6,053.90	6,600.00	6,172.34	63.45	41.20	-109.42	629.64	1,671.31	1,261.04	1,197.92	63.12	19.980		
6,900.00	6,085.42	6,627.05	6,182.99	63.86	41.36	-105.32	654.14	1,675.54	1,272.15	1,208.92	63.23	20.120		
6,950.00	6,114.26	6,650.00	6,191.16	64.23	41.50	-101.88	675.33	1,678.84	1,282.36	1,219.26	63.10	20.324		
7,000.00	6,140.20	6,685.03	6,202.05	64.58	41.71	-98.84	708.31	1,683.36	1,291.50	1,228.08	63.42	20.364		
7,050.00	6,163.03	6,713.89	6,209.58	64.89	41.88	-96.36	735.98	1,686.59	1,299.54	1,236.11	63.43	20.488		
7,100.00	6,182.59	6,750.00	6,217.13	65.17	42.09	-94.27	771.12	1,690.01	1,306.44	1,242.73	63.71	20.506		
7,150.00	6,198.73	6,771.43	6,220.60	65.42	42.21	-92.72	792.20	1,691.70	1,312.01	1,248.68	63.33	20.716		
7,200.00	6,211.32	6,800.00	6,224.08	65.65	42.37	-91.49	820.49	1,693.56	1,316.32	1,253.07	63.24	20.814		
7,250.00	6,220.26	6,828.77	6,226.22	65.84	42.53	-90.64	849.14	1,694.98	1,319.28	1,256.12	63.16	20.889		
7,300.00	6,225.50	6,857.39	6,227.00	66.01	42.69	-90.13	877.73	1,695.92	1,320.87	1,257.80	63.07	20.943		
7,344.70	6,227.00	6,900.46	6,227.00	66.14	42.92	-90.00	920.78	1,696.94	1,320.84	1,257.12	63.72	20.728		
7,400.00	6,227.00	6,955.74	6,227.00	66.29	43.24	-90.00	976.05	1,698.25	1,319.72	1,255.04	64.68	20.403		
7,500.00	6,227.00	7,055.72	6,227.00	66.58	43.85	-90.00	1,076.01	1,700.62	1,317.70	1,251.18	66.52	19.810		
7,600.00	6,227.00	7,155.70	6,227.00	66.90	44.52	-90.00	1,175.96	1,702.99	1,315.68	1,247.19	68.49	19.211		
7,700.00	6,227.00	7,255.68	6,227.00	67.24	45.25	-90.00	1,275.91	1,705.36	1,313.66	1,243.08	70.58	18.614		
7,800.00	6,227.00	7,355.66	6,227.00	67.61	46.03	-90.00	1,375.86	1,707.73	1,311.63	1,238.86	72.78	18.023		
7,900.00	6,227.00	7,455.64	6,227.00	68.00	46.86	-90.00	1,475.81	1,710.10	1,309.61	1,234.53	75.08	17.443		
8,000.00	6,227.00	7,555.62	6,227.00	68.43	47.74	-90.00	1,575.76	1,712.47	1,307.59	1,230.11	77.48	16.877		
8,100.00	6,227.00	7,655.60	6,227.00	68.88	48.68	-90.00	1,675.71	1,714.84	1,305.57	1,225.61	79.96	16.328		
8,200.00	6,227.00	7,755.58	6,227.00	69.36	49.66	-90.00	1,775.67	1,717.21	1,303.54	1,221.03	82.52	15.797		
8,300.00	6,227.00	7,855.56	6,227.00	69.88	50.68	-90.00	1,875.62	1,719.58	1,301.52	1,216.38	85.14	15.286		
8,400.00	6,227.00	7,955.54	6,227.00	70.43	51.75	-90.00	1,975.57	1,721.95	1,299.50	1,211.66	87.84	14.795		
8,500.00	6,227.00	8,055.52	6,227.00	71.00	52.87	-90.00	2,075.52	1,724.33	1,297.48	1,206.89	90.59	14.323		
8,600.00	6,227.00	8,155.49	6,227.00	71.62	54.02	-90.00	2,175.47	1,726.70	1,295.45	1,202.07	93.39	13.872		
8,700.00	6,227.00	8,255.47	6,227.00	72.26	55.20	-90.00	2,275.42	1,729.07	1,293.43	1,197.19	96.24	13.440		
8,800.00	6,227.00	8,355.45	6,227.00	72.94	56.42	-90.00	2,375.37	1,731.44	1,291.41	1,192.27	99.14	13.027		
8,900.00	6,227.00	8,455.43	6,227.00	73.66	57.67	-90.00	2,475.33	1,733.81	1,289.39	1,187.31	102.07	12.632		
9,000.00	6,227.00	8,555.41	6,227.00	74.41	58.96	-90.00	2,575.28	1,736.18	1,287.36	1,182.32	105.05	12.255		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,100.00	6,227.00	8,655.39	6,227.00	75.19	60.27	-90.00	2,675.23	1,738.55	1,285.34	1,177.29	108.05	11.895	
9,200.00	6,227.00	8,755.37	6,227.00	76.01	61.60	-90.00	2,775.18	1,740.92	1,283.32	1,172.23	111.09	11.552	
9,300.00	6,227.00	8,855.35	6,227.00	76.86	62.96	-90.00	2,875.13	1,743.29	1,281.30	1,167.14	114.16	11.224	
9,400.00	6,227.00	8,955.33	6,227.00	77.75	64.34	-90.00	2,975.08	1,745.66	1,279.27	1,162.02	117.25	10.910	
9,500.00	6,227.00	9,055.31	6,227.00	78.67	65.75	-90.00	3,075.03	1,748.03	1,277.25	1,156.88	120.37	10.611	
9,600.00	6,227.00	9,155.29	6,227.00	79.63	67.17	-90.00	3,174.99	1,750.40	1,275.23	1,151.72	123.51	10.325	
9,700.00	6,227.00	9,255.27	6,227.00	80.62	68.61	-90.00	3,274.94	1,752.77	1,273.21	1,146.53	126.68	10.051	
9,800.00	6,227.00	9,355.25	6,227.00	81.64	70.06	-90.00	3,374.89	1,755.14	1,271.18	1,141.33	129.86	9.789	
9,900.00	6,227.00	9,455.23	6,227.00	82.69	71.54	-90.00	3,474.84	1,757.51	1,269.16	1,136.11	133.06	9.538	
10,000.00	6,227.00	9,555.21	6,227.00	83.77	73.02	-90.00	3,574.79	1,759.88	1,267.14	1,130.87	136.27	9.298	
10,100.00	6,227.00	9,655.19	6,227.00	84.88	74.52	-90.00	3,674.74	1,762.25	1,265.12	1,125.61	139.51	9.069	
10,200.00	6,227.00	9,755.17	6,227.00	86.02	76.04	-90.00	3,774.69	1,764.62	1,263.10	1,120.34	142.75	8.848	
10,300.00	6,227.00	9,855.15	6,227.00	87.19	77.56	-90.00	3,874.65	1,766.99	1,261.07	1,115.06	146.01	8.637	
10,400.00	6,227.00	9,955.13	6,227.00	88.38	79.10	-90.00	3,974.60	1,769.36	1,259.05	1,109.76	149.29	8.434	
10,500.00	6,227.00	10,055.11	6,227.00	89.60	80.64	-90.00	4,074.55	1,771.73	1,257.03	1,104.46	152.57	8.239	
10,600.00	6,227.00	10,155.09	6,227.00	90.84	82.20	-90.00	4,174.50	1,774.10	1,255.01	1,099.14	155.87	8.052	
10,700.00	6,227.00	10,255.07	6,227.00	92.11	83.77	-90.00	4,274.45	1,776.47	1,252.98	1,093.81	159.17	7.872	
10,800.00	6,227.00	10,355.04	6,227.00	93.39	85.34	-90.00	4,374.40	1,778.84	1,250.96	1,088.47	162.49	7.699	
10,900.00	6,227.00	10,455.02	6,227.00	94.70	86.92	-90.00	4,474.35	1,781.21	1,248.94	1,083.12	165.82	7.532	
11,000.00	6,227.00	10,555.00	6,227.00	96.03	88.51	-90.00	4,574.31	1,783.58	1,246.92	1,077.77	169.15	7.372	
11,100.00	6,227.00	10,654.98	6,227.00	97.37	90.11	-90.00	4,674.26	1,785.95	1,244.89	1,072.40	172.49	7.217	
11,200.00	6,227.00	10,754.96	6,227.00	98.74	91.71	-90.00	4,774.21	1,788.32	1,242.87	1,067.03	175.84	7.068	
11,300.00	6,227.00	10,854.94	6,227.00	100.12	93.32	-90.00	4,874.16	1,790.69	1,240.85	1,061.65	179.20	6.924	
11,400.00	6,227.00	10,954.92	6,227.00	101.51	94.94	-90.00	4,974.11	1,793.06	1,238.83	1,056.26	182.56	6.786	
11,500.00	6,227.00	11,054.90	6,227.00	102.92	96.56	-90.00	5,074.06	1,795.43	1,236.80	1,050.87	185.94	6.652	
11,600.00	6,227.00	11,154.88	6,227.00	104.35	98.19	-90.00	5,174.01	1,797.80	1,234.78	1,045.47	189.31	6.522	
11,700.00	6,227.00	11,254.86	6,227.00	105.79	99.82	-90.00	5,273.97	1,800.17	1,232.76	1,040.06	192.69	6.397 SF	
11,735.71	6,227.00	11,265.65	6,227.00	106.31	99.99	-90.00	5,284.75	1,800.43	1,232.29	1,040.11	192.18	6.412	
11,800.00	6,227.00	11,265.65	6,227.00	107.24	99.99	-90.00	5,284.75	1,800.43	1,233.96	1,044.35	189.61	6.508	
11,900.00	6,227.00	11,265.65	6,227.00	108.71	99.99	-90.00	5,284.75	1,800.43	1,243.19	1,058.33	184.86	6.725	
12,000.00	6,227.00	11,265.65	6,227.00	110.19	99.99	-90.00	5,284.75	1,800.43	1,260.31	1,080.98	179.33	7.028	
12,100.00	6,227.00	11,265.65	6,227.00	111.68	99.99	-90.00	5,284.75	1,800.43	1,285.00	1,111.81	173.19	7.419	
12,200.00	6,227.00	11,265.65	6,227.00	113.18	99.99	-90.00	5,284.75	1,800.43	1,316.85	1,150.18	166.67	7.901	
12,300.00	6,227.00	11,265.65	6,227.00	114.68	99.99	-90.00	5,284.75	1,800.43	1,355.34	1,195.39	159.95	8.473	
12,400.00	6,227.00	11,265.65	6,227.00	116.20	99.99	-90.00	5,284.75	1,800.43	1,399.93	1,246.71	153.22	9.137	
12,500.00	6,227.00	11,265.65	6,227.00	117.73	99.99	-90.00	5,284.75	1,800.43	1,450.06	1,303.42	146.63	9.889	
12,600.00	6,227.00	11,265.65	6,227.00	119.27	99.99	-90.00	5,284.75	1,800.43	1,505.17	1,364.87	140.30	10.728	
12,700.00	6,227.00	11,265.65	6,227.00	120.81	99.99	-90.00	5,284.75	1,800.43	1,564.73	1,430.43	134.30	11.651	
12,800.00	6,227.00	11,265.65	6,227.00	122.37	99.99	-90.00	5,284.75	1,800.43	1,628.26	1,499.57	128.69	12.652	
12,900.00	6,227.00	11,265.65	6,227.00	123.93	99.99	-90.00	5,284.75	1,800.43	1,695.32	1,571.81	123.50	13.727	
13,000.00	6,227.00	11,265.65	6,227.00	125.49	99.99	-90.00	5,284.75	1,800.43	1,765.49	1,646.74	118.75	14.868	
13,100.00	6,227.00	11,265.65	6,227.00	127.07	99.99	-90.00	5,284.75	1,800.43	1,838.43	1,724.01	114.42	16.068	
13,200.00	6,227.00	11,265.65	6,227.00	128.65	99.99	-90.00	5,284.75	1,800.43	1,913.81	1,803.31	110.50	17.320	
13,300.00	6,227.00	11,265.65	6,227.00	130.24	99.99	-90.00	5,284.75	1,800.43	1,991.36	1,884.39	106.97	18.616	
13,400.00	6,227.00	11,265.65	6,227.00	131.83	99.99	-90.00	5,284.75	1,800.43	2,070.84	1,967.03	103.81	19.948	
13,500.00	6,227.00	11,265.65	6,227.00	133.43	99.99	-90.00	5,284.75	1,800.43	2,152.03	2,051.04	100.99	21.309	
13,600.00	6,227.00	11,265.65	6,227.00	135.03	99.99	-90.00	5,284.75	1,800.43	2,234.75	2,136.26	98.49	22.691	
13,700.00	6,227.00	11,265.65	6,227.00	136.64	99.99	-90.00	5,284.75	1,800.43	2,318.83	2,222.56	96.27	24.088	
13,800.00	6,227.00	11,265.65	6,227.00	138.25	99.99	-90.00	5,284.75	1,800.43	2,404.12	2,309.82	94.31	25.493	
13,900.00	6,227.00	11,265.65	6,227.00	139.87	99.99	-90.00	5,284.75	1,800.43	2,490.51	2,397.93	92.58	26.900	
14,000.00	6,227.00	11,265.65	6,227.00	141.50	99.99	-90.00	5,284.75	1,800.43	2,577.89	2,486.82	91.07	28.306	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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
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	
14,100.00	6,227.00	11,265.65	6,227.00	143.12	99.99	-90.00	5,284.75	1,800.43	2,666.15	2,576.40	89.75	29.705	
14,200.00	6,227.00	11,265.65	6,227.00	144.76	99.99	-90.00	5,284.75	1,800.43	2,755.22	2,666.62	88.60	31.096	
14,300.00	6,227.00	11,265.65	6,227.00	146.39	99.99	-90.00	5,284.75	1,800.43	2,845.01	2,757.40	87.61	32.474	
14,400.00	6,227.00	11,265.65	6,227.00	148.03	99.99	-90.00	5,284.75	1,800.43	2,935.46	2,848.72	86.75	33.839	
14,500.00	6,227.00	11,265.65	6,227.00	149.67	99.99	-90.00	5,284.75	1,800.43	3,026.52	2,940.51	86.01	35.188	
14,600.00	6,227.00	11,265.65	6,227.00	151.32	99.99	-90.00	5,284.75	1,800.43	3,118.12	3,032.74	85.38	36.520	
14,700.00	6,227.00	11,265.65	6,227.00	152.97	99.99	-90.00	5,284.75	1,800.43	3,210.22	3,125.37	84.85	37.835	
14,800.00	6,227.00	11,265.65	6,227.00	154.62	99.99	-90.00	5,284.75	1,800.43	3,302.78	3,218.38	84.40	39.133	
14,900.00	6,227.00	11,265.65	6,227.00	156.28	99.99	-90.00	5,284.75	1,800.43	3,395.77	3,311.74	84.02	40.414	
15,000.00	6,227.00	11,265.65	6,227.00	157.94	99.99	-90.00	5,284.75	1,800.43	3,489.14	3,405.42	83.72	41.677	
15,100.00	6,227.00	11,265.65	6,227.00	159.60	99.99	-90.00	5,284.75	1,800.43	3,582.87	3,499.40	83.47	42.924	
15,200.00	6,227.00	11,265.65	6,227.00	161.27	99.99	-90.00	5,284.75	1,800.43	3,676.93	3,593.66	83.27	44.155	
15,300.00	6,227.00	11,265.65	6,227.00	162.94	99.99	-90.00	5,284.75	1,800.43	3,771.29	3,688.17	83.12	45.370	
15,400.00	6,227.00	11,265.65	6,227.00	164.61	99.99	-90.00	5,284.75	1,800.43	3,865.94	3,782.93	83.01	46.570	
15,500.00	6,227.00	11,265.65	6,227.00	166.28	99.99	-90.00	5,284.75	1,800.43	3,960.86	3,877.92	82.94	47.756	
15,600.00	6,227.00	11,265.65	6,227.00	167.95	99.99	-90.00	5,284.75	1,800.43	4,056.01	3,973.12	82.90	48.929	
15,700.00	6,227.00	11,265.65	6,227.00	169.63	99.99	-90.00	5,284.75	1,800.43	4,151.40	4,068.52	82.88	50.089	
15,800.00	6,227.00	11,265.65	6,227.00	171.31	99.99	-90.00	5,284.75	1,800.43	4,246.99	4,164.10	82.89	51.237	
15,900.00	6,227.00	11,265.65	6,227.00	172.99	99.99	-90.00	5,284.75	1,800.43	4,342.79	4,259.87	82.92	52.373	
16,000.00	6,227.00	11,265.65	6,227.00	174.68	99.99	-90.00	5,284.75	1,800.43	4,438.77	4,355.80	82.97	53.499	
16,100.00	6,227.00	11,265.65	6,227.00	176.36	99.99	-90.00	5,284.75	1,800.43	4,534.92	4,451.89	83.03	54.615	
16,200.00	6,227.00	11,265.65	6,227.00	178.05	99.99	-90.00	5,284.75	1,800.43	4,631.24	4,548.13	83.11	55.722	
16,300.00	6,227.00	11,265.65	6,227.00	179.74	99.99	-90.00	5,284.75	1,800.43	4,727.71	4,644.50	83.21	56.819	
16,400.00	6,227.00	11,265.65	6,227.00	181.43	99.99	-90.00	5,284.75	1,800.43	4,824.32	4,741.01	83.31	57.909	
16,500.00	6,227.00	11,265.65	6,227.00	183.13	99.99	-90.00	5,284.75	1,800.43	4,921.07	4,837.65	83.42	58.990	
16,600.00	6,227.00	11,265.65	6,227.00	184.82	99.99	-90.00	5,284.75	1,800.43	5,017.95	4,934.41	83.54	60.065	
16,700.00	6,227.00	11,265.65	6,227.00	186.52	99.99	-90.00	5,284.75	1,800.43	5,114.95	5,031.27	83.67	61.132	
16,800.00	6,227.00	11,265.65	6,227.00	188.22	99.99	-90.00	5,284.75	1,800.43	5,212.06	5,128.25	83.80	62.193	
16,900.00	6,227.00	11,265.65	6,227.00	189.92	99.99	-90.00	5,284.75	1,800.43	5,309.27	5,225.33	83.94	63.247	
17,000.81	6,227.00	11,265.65	6,227.00	191.63	99.99	-90.00	5,284.75	1,800.43	5,407.38	5,323.29	84.09	64.305	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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-20-07 - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-19.67	0.00	19.67				
100.00	100.00	100.00	100.00	0.27	0.27	180.00	-19.67	0.00	19.67	19.13	0.54	36.579	
200.00	200.00	200.00	200.00	0.63	0.63	180.00	-19.67	0.00	19.67	18.41	1.25	15.677	
300.00	300.00	300.03	300.01	0.99	0.98	174.91	-19.49	1.74	19.57	17.60	1.97	9.955	
306.40	306.40	306.43	306.40	1.01	1.00	90.88	-19.47	1.97	19.57	17.56	2.01	9.730 CC	
400.00	399.98	399.92	399.75	1.34	1.34	81.42	-18.96	6.94	19.86	17.19	2.67	7.430 ES	
500.00	499.84	499.68	499.13	1.69	1.71	71.94	-18.09	15.58	20.79	17.40	3.39	6.130	
600.00	599.45	599.33	598.03	2.06	2.09	63.56	-16.86	27.64	22.27	18.14	4.13	5.394	
700.00	698.70	698.85	696.33	2.44	2.50	56.45	-15.29	43.10	24.20	19.32	4.88	4.956	
800.00	797.47	798.26	793.92	2.85	2.95	50.56	-13.38	61.92	26.47	20.82	5.65	4.683	
900.00	895.62	897.55	890.67	3.29	3.43	45.75	-11.14	84.07	28.99	22.55	6.44	4.504	
1,000.00	993.06	996.72	986.49	3.76	3.95	41.82	-8.55	109.51	31.70	24.46	7.24	4.379	
1,100.00	1,089.64	1,095.78	1,081.25	4.27	4.51	38.62	-5.64	138.20	34.53	26.48	8.05	4.287	
1,200.00	1,185.27	1,194.72	1,174.85	4.83	5.13	36.00	-2.40	170.09	37.46	28.57	8.89	4.213	
1,300.00	1,279.82	1,293.55	1,267.19	5.45	5.80	33.84	1.15	205.14	40.45	30.70	9.75	4.148	
1,400.00	1,373.17	1,392.27	1,358.15	6.12	6.53	32.07	5.02	243.29	43.47	32.84	10.63	4.088	
1,500.00	1,465.21	1,490.89	1,447.64	6.85	7.33	30.60	9.21	284.49	46.51	34.97	11.54	4.029	
1,600.00	1,555.84	1,589.39	1,535.56	7.65	8.19	29.39	13.69	328.68	49.56	37.07	12.49	3.969	
1,700.00	1,644.94	1,687.80	1,621.81	8.51	9.11	28.38	18.47	375.80	52.60	39.14	13.46	3.908	
1,800.00	1,732.39	1,786.10	1,706.30	9.45	10.11	27.55	23.55	425.78	55.62	41.15	14.47	3.843	
1,827.18	1,755.86	1,812.79	1,728.94	9.72	10.39	27.35	24.98	439.85	56.44	41.68	14.75	3.825	
1,900.00	1,818.58	1,884.26	1,788.89	10.44	11.18	26.49	28.90	478.55	59.44	43.97	15.47	3.842	
2,000.00	1,904.71	1,982.05	1,869.32	11.46	12.32	24.40	34.52	533.88	66.28	49.97	16.31	4.063	
2,100.00	1,990.83	2,081.07	1,949.37	12.49	13.52	21.99	40.40	591.87	75.46	58.30	17.16	4.398	
2,200.00	2,076.96	2,180.59	2,029.76	13.53	14.75	20.06	46.33	650.23	84.83	66.77	18.06	4.698	
2,300.00	2,163.08	2,280.11	2,110.16	14.57	15.99	18.53	52.25	708.60	94.28	75.30	18.98	4.967	
2,400.00	2,249.21	2,379.64	2,190.55	15.62	17.25	17.27	58.18	766.97	103.79	83.86	19.93	5.208	
2,500.00	2,335.33	2,479.16	2,270.95	16.68	18.50	16.22	64.10	825.33	113.33	92.45	20.89	5.426	
2,600.00	2,421.45	2,578.68	2,351.34	17.74	19.77	15.34	70.02	883.70	122.91	101.05	21.86	5.623	
2,700.00	2,507.58	2,678.21	2,431.74	18.81	21.04	14.58	75.95	942.06	132.51	109.67	22.84	5.801	
2,800.00	2,593.70	2,777.73	2,512.13	19.87	22.31	13.93	81.87	1,000.43	142.14	118.30	23.83	5.964	
2,900.00	2,679.83	2,877.26	2,592.52	20.94	23.58	13.36	87.80	1,058.80	151.77	126.94	24.83	6.112	
3,000.00	2,765.95	2,976.78	2,672.92	22.01	24.86	12.86	93.72	1,117.16	161.43	135.59	25.84	6.248	
3,100.00	2,852.08	3,076.30	2,753.31	23.09	26.14	12.41	99.64	1,175.53	171.09	144.24	26.84	6.373	
3,200.00	2,938.20	3,175.83	2,833.71	24.16	27.43	12.01	105.57	1,233.89	180.76	152.90	27.86	6.488	
3,300.00	3,024.32	3,275.35	2,914.10	25.24	28.71	11.65	111.49	1,292.26	190.44	161.56	28.88	6.595	
3,400.00	3,110.45	3,374.87	2,994.50	26.32	29.99	11.33	117.42	1,350.63	200.13	170.23	29.90	6.693	
3,500.00	3,196.57	3,474.40	3,074.89	27.40	31.28	11.04	123.34	1,408.99	209.82	178.89	30.92	6.785	
3,600.00	3,282.70	3,573.92	3,155.29	28.48	32.57	10.77	129.26	1,467.36	219.52	187.56	31.95	6.870	
3,700.00	3,368.82	3,673.45	3,235.68	29.56	33.86	10.53	135.19	1,525.73	229.22	196.23	32.98	6.950	
3,800.00	3,454.95	3,772.97	3,316.07	30.64	35.15	10.30	141.11	1,584.09	238.92	204.91	34.02	7.024	
3,900.00	3,541.07	3,872.49	3,396.47	31.72	36.44	10.09	147.04	1,642.46	248.63	213.58	35.05	7.094	
4,000.00	3,627.19	3,972.02	3,476.86	32.80	37.73	9.90	152.96	1,700.82	258.34	222.26	36.09	7.159	
4,100.00	3,713.32	4,071.54	3,557.26	33.89	39.02	9.72	158.88	1,759.19	268.06	230.93	37.12	7.221	
4,200.00	3,799.44	4,171.06	3,637.65	34.97	40.32	9.56	164.81	1,817.56	277.77	239.61	38.16	7.278	
4,300.00	3,885.57	4,270.59	3,718.05	36.05	41.61	9.41	170.73	1,875.92	287.49	248.29	39.20	7.333	
4,400.00	3,971.69	4,370.11	3,798.44	37.14	42.90	9.26	176.66	1,934.29	297.21	256.96	40.25	7.385	
4,500.00	4,057.82	4,469.64	3,878.84	38.22	44.20	9.13	182.58	1,992.66	306.93	265.64	41.29	7.434	
4,600.00	4,143.94	4,569.16	3,959.23	39.31	45.49	9.00	188.51	2,051.02	316.66	274.32	42.33	7.480	
4,700.00	4,230.06	4,668.68	4,039.62	40.39	46.79	8.88	194.43	2,109.39	326.38	283.00	43.38	7.524	
4,800.00	4,316.19	4,768.21	4,120.02	41.48	48.08	8.77	200.35	2,167.75	336.11	291.68	44.43	7.566	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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-20-07 - 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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,402.31	4,867.73	4,200.41	42.57	49.38	8.66	206.28	2,226.12	345.84	300.36	45.47	7.605	
5,000.00	4,488.44	4,967.25	4,280.81	43.65	50.68	8.56	212.20	2,284.49	355.57	309.05	46.52	7.643	
5,100.00	4,574.56	5,066.78	4,361.20	44.74	51.97	8.47	218.13	2,342.85	365.30	317.73	47.57	7.679	
5,200.00	4,660.69	5,166.30	4,441.60	45.83	53.27	8.38	224.05	2,401.22	375.03	326.41	48.62	7.714	
5,300.00	4,746.81	5,265.83	4,521.99	46.91	54.57	8.29	229.97	2,459.58	384.76	335.09	49.67	7.747	
5,400.00	4,832.93	5,365.35	4,602.39	48.00	55.86	8.21	235.90	2,517.95	394.49	343.77	50.72	7.778	
5,500.00	4,919.06	5,464.87	4,682.78	49.09	57.16	8.13	241.82	2,576.32	404.22	352.46	51.77	7.808	
5,600.00	5,005.18	5,564.40	4,763.18	50.17	58.46	8.06	247.75	2,634.68	413.96	361.14	52.82	7.837	
5,700.00	5,091.31	5,663.92	4,843.57	51.26	59.75	7.99	253.67	2,693.05	423.69	369.82	53.87	7.865	
5,800.00	5,177.43	5,763.44	4,923.96	52.35	61.05	7.92	259.59	2,751.42	433.43	378.50	54.92	7.892	
5,900.00	5,263.56	5,862.97	5,004.36	53.44	62.35	7.86	265.52	2,809.78	443.16	387.19	55.98	7.917	
6,000.00	5,349.68	5,962.49	5,084.75	54.53	63.65	7.80	271.44	2,868.15	452.90	395.87	57.03	7.942	
6,100.00	5,435.80	6,062.02	5,165.15	55.61	64.95	7.74	277.37	2,926.51	462.64	404.55	58.08	7.965	
6,200.00	5,521.93	6,161.54	5,245.54	56.70	66.25	7.68	283.29	2,984.88	472.37	413.24	59.14	7.988	
6,300.00	5,608.05	6,261.06	5,325.94	57.79	67.54	7.63	289.21	3,043.25	482.11	421.92	60.19	8.010	
6,400.00	5,694.18	6,360.59	5,406.33	58.88	68.84	7.58	295.14	3,101.61	491.85	430.60	61.24	8.031	
6,479.32	5,762.49	6,439.53	5,470.10	59.74	69.87	7.54	299.84	3,147.91	499.57	437.49	62.08	8.047	
6,500.00	5,780.28	6,460.11	5,486.72	59.97	70.14	10.82	301.06	3,159.98	501.60	439.28	62.32	8.049	
6,550.00	5,822.98	6,509.70	5,526.78	60.51	70.79	18.73	304.01	3,189.06	506.58	443.53	63.05	8.034	
6,600.00	5,865.00	6,558.77	5,566.42	61.05	71.43	26.34	306.93	3,217.84	511.75	447.70	64.05	7.990	
6,650.00	5,906.01	6,606.93	5,605.33	61.57	72.06	33.45	309.80	3,246.08	517.26	451.87	65.39	7.911	
6,700.00	5,945.70	6,653.83	5,643.21	62.08	72.67	39.97	312.59	3,273.59	523.36	456.20	67.16	7.793	
6,750.00	5,983.77	6,699.10	5,679.78	62.56	73.26	45.86	315.29	3,300.14	530.36	460.90	69.46	7.635	
6,800.00	6,019.92	6,742.41	5,714.76	63.02	73.83	51.11	317.86	3,325.53	538.63	466.26	72.38	7.442	
6,850.00	6,053.90	6,783.41	5,747.89	63.45	74.36	55.72	320.31	3,349.58	548.56	472.64	75.92	7.226	
6,900.00	6,085.42	6,821.81	5,778.90	63.86	74.86	59.65	322.59	3,372.10	560.53	480.47	80.06	7.002	
6,950.00	6,114.26	6,867.68	5,815.91	64.23	75.46	63.57	326.10	3,398.97	574.68	489.91	84.77	6.779	
7,000.00	6,140.20	6,925.62	5,862.15	64.58	76.21	67.68	335.45	3,432.56	590.24	500.81	89.43	6.600	
7,050.00	6,163.03	6,990.98	5,913.08	64.89	77.03	71.60	352.86	3,469.58	606.75	513.34	93.41	6.495	
7,100.00	6,182.59	7,066.22	5,969.25	65.17	77.93	75.45	381.62	3,510.45	623.71	527.58	96.14	6.488	
7,150.00	6,198.73	7,154.58	6,030.62	65.42	78.90	79.27	426.65	3,555.15	640.45	543.62	96.83	6.614	
7,200.00	6,211.32	7,259.98	6,095.42	65.65	79.91	83.00	494.80	3,602.41	656.01	561.48	94.54	6.939	
7,250.00	6,220.26	7,386.05	6,158.04	65.84	80.88	86.39	593.85	3,648.21	669.13	580.78	88.35	7.573	
7,300.00	6,225.50	7,533.47	6,206.96	66.01	81.69	88.93	727.74	3,684.18	678.24	599.75	78.49	8.641	
7,344.70	6,227.00	7,678.53	6,226.59	66.14	82.18	89.97	870.31	3,698.93	681.79	612.66	69.13	9.862	
7,400.00	6,227.00	7,750.59	6,227.00	66.29	82.34	90.00	942.37	3,699.48	681.88	613.29	68.59	9.942	
7,500.00	6,227.00	7,850.59	6,227.00	66.58	82.56	90.00	1,042.37	3,699.83	681.88	611.72	70.16	9.718	
7,600.00	6,227.00	7,950.59	6,227.00	66.90	82.81	90.00	1,142.37	3,700.18	681.89	610.00	71.88	9.486	
7,700.00	6,227.00	8,050.59	6,227.00	67.24	83.07	90.00	1,242.37	3,700.54	681.89	608.16	73.73	9.248	
7,800.00	6,227.00	8,150.59	6,227.00	67.61	83.35	90.00	1,342.36	3,700.89	681.89	606.19	75.70	9.008	
7,900.00	6,227.00	8,250.59	6,227.00	68.00	83.64	90.00	1,442.36	3,701.24	681.90	604.12	77.78	8.767	
8,000.00	6,227.00	8,350.59	6,227.00	68.43	83.96	90.00	1,542.36	3,701.59	681.90	601.93	79.97	8.527	
8,100.00	6,227.00	8,450.59	6,227.00	68.88	84.29	90.00	1,642.36	3,701.94	681.90	599.66	82.24	8.291	
8,200.00	6,227.00	8,550.59	6,227.00	69.36	84.65	90.00	1,742.36	3,702.29	681.91	597.30	84.61	8.059	
8,300.00	6,227.00	8,650.59	6,227.00	69.88	85.02	90.00	1,842.36	3,702.65	681.91	594.85	87.06	7.833	
8,400.00	6,227.00	8,750.59	6,227.00	70.43	85.42	90.00	1,942.36	3,703.00	681.91	592.34	89.58	7.613	
8,500.00	6,227.00	8,850.59	6,227.00	71.00	85.84	90.00	2,042.36	3,703.35	681.92	589.75	92.17	7.399	
8,600.00	6,227.00	8,950.59	6,227.00	71.62	86.28	90.00	2,142.36	3,703.70	681.92	587.11	94.82	7.192	
8,700.00	6,227.00	9,050.59	6,227.00	72.26	86.75	90.00	2,242.36	3,704.05	681.92	584.40	97.52	6.993	
8,800.00	6,227.00	9,150.59	6,227.00	72.94	87.23	90.00	2,342.36	3,704.41	681.93	581.65	100.28	6.800	
8,900.00	6,227.00	9,250.59	6,227.00	73.66	87.75	90.00	2,442.36	3,704.76	681.93	578.84	103.09	6.615	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	9,350.59	6,227.00	74.41	88.29	90.00	2,542.36	3,705.11	681.93	575.99	105.94	6.437	
9,100.00	6,227.00	9,450.59	6,227.00	75.19	88.85	90.00	2,642.36	3,705.46	681.94	573.11	108.83	6.266	
9,200.00	6,227.00	9,550.59	6,227.00	76.01	89.44	90.00	2,742.36	3,705.81	681.94	570.18	111.76	6.102	
9,300.00	6,227.00	9,650.59	6,227.00	76.86	90.06	90.00	2,842.36	3,706.16	681.94	567.22	114.73	5.944	
9,400.00	6,227.00	9,750.59	6,227.00	77.75	90.71	90.00	2,942.36	3,706.52	681.95	564.22	117.72	5.793	
9,500.00	6,227.00	9,850.59	6,227.00	78.67	91.38	90.00	3,042.35	3,706.87	681.95	561.20	120.75	5.648	
9,600.00	6,227.00	9,950.59	6,227.00	79.63	92.08	90.00	3,142.35	3,707.22	681.95	558.15	123.80	5.508	
9,700.00	6,227.00	10,050.59	6,227.00	80.62	92.81	90.00	3,242.35	3,707.57	681.96	555.07	126.88	5.375	
9,800.00	6,227.00	10,150.59	6,227.00	81.64	93.57	90.00	3,342.35	3,707.92	681.96	551.97	129.99	5.246	
9,900.00	6,227.00	10,250.59	6,227.00	82.69	94.36	90.00	3,442.35	3,708.28	681.96	548.85	133.11	5.123	
10,000.00	6,227.00	10,350.59	6,227.00	83.77	95.18	90.00	3,542.35	3,708.63	681.97	545.71	136.26	5.005	
10,100.00	6,227.00	10,450.59	6,227.00	84.88	96.02	90.00	3,642.35	3,708.98	681.97	542.55	139.43	4.891	
10,200.00	6,227.00	10,550.59	6,227.00	86.02	96.90	90.00	3,742.35	3,709.33	681.98	539.37	142.61	4.782	
10,300.00	6,227.00	10,650.59	6,227.00	87.19	97.80	90.00	3,842.35	3,709.68	681.98	536.17	145.81	4.677	
10,400.00	6,227.00	10,750.59	6,227.00	88.38	98.73	90.00	3,942.35	3,710.03	681.98	532.96	149.03	4.576	
10,500.00	6,227.00	10,850.59	6,227.00	89.60	99.69	90.00	4,042.35	3,710.39	681.99	529.73	152.26	4.479	
10,600.00	6,227.00	10,950.59	6,227.00	90.84	100.68	90.00	4,142.35	3,710.74	681.99	526.49	155.50	4.386	
10,700.00	6,227.00	11,050.59	6,227.00	92.11	101.69	90.00	4,242.35	3,711.09	681.99	523.23	158.76	4.296	
10,800.00	6,227.00	11,150.59	6,227.00	93.39	102.73	90.00	4,342.35	3,711.44	682.00	519.97	162.03	4.209	
10,900.00	6,227.00	11,250.59	6,227.00	94.70	103.80	90.00	4,442.35	3,711.79	682.00	516.69	165.31	4.126	
11,000.00	6,227.00	11,350.59	6,227.00	96.03	104.89	90.00	4,542.35	3,712.14	682.00	513.40	168.60	4.045	
11,100.00	6,227.00	11,450.59	6,227.00	97.37	106.01	90.00	4,642.34	3,712.50	682.01	510.10	171.90	3.967	
11,200.00	6,227.00	11,550.59	6,227.00	98.74	107.15	90.00	4,742.34	3,712.85	682.01	506.80	175.21	3.892	
11,300.00	6,227.00	11,650.59	6,227.00	100.12	108.31	90.00	4,842.34	3,713.20	682.01	503.48	178.53	3.820	
11,400.00	6,227.00	11,750.59	6,227.00	101.51	109.49	90.00	4,942.34	3,713.55	682.02	500.15	181.86	3.750	
11,500.00	6,227.00	11,850.59	6,227.00	102.92	110.70	90.00	5,042.34	3,713.90	682.02	496.82	185.20	3.683	
11,600.00	6,227.00	11,950.59	6,227.00	104.35	111.93	90.00	5,142.34	3,714.26	682.02	493.48	188.54	3.617	
11,700.00	6,227.00	12,050.59	6,227.00	105.79	113.18	90.00	5,242.34	3,714.61	682.03	490.13	191.89	3.554	
11,800.00	6,227.00	12,150.59	6,227.00	107.24	114.44	90.00	5,342.34	3,714.96	682.03	486.78	195.25	3.493	
11,900.00	6,227.00	12,250.59	6,227.00	108.71	115.73	90.00	5,442.34	3,715.31	682.03	483.41	198.62	3.434	
12,000.00	6,227.00	12,350.59	6,227.00	110.19	117.03	90.00	5,542.34	3,715.66	682.04	480.05	201.99	3.377	
12,100.00	6,227.00	12,450.59	6,227.00	111.68	118.36	90.00	5,642.34	3,716.01	682.04	476.67	205.37	3.321	
12,200.00	6,227.00	12,550.59	6,227.00	113.18	119.69	90.00	5,742.34	3,716.37	682.04	473.29	208.75	3.267	
12,300.00	6,227.00	12,650.59	6,227.00	114.68	121.05	90.00	5,842.34	3,716.72	682.05	469.91	212.14	3.215	
12,400.00	6,227.00	12,750.59	6,227.00	116.20	122.42	90.00	5,942.34	3,717.07	682.05	466.52	215.53	3.164	
12,500.00	6,227.00	12,850.59	6,227.00	117.73	123.80	90.00	6,042.34	3,717.42	682.05	463.12	218.93	3.115	
12,600.00	6,227.00	12,950.59	6,227.00	119.27	125.20	90.00	6,142.34	3,717.77	682.06	459.72	222.33	3.068	
12,700.00	6,227.00	13,050.59	6,227.00	120.81	126.61	90.00	6,242.33	3,718.13	682.06	456.32	225.74	3.021	
12,800.00	6,227.00	13,150.59	6,227.00	122.37	128.03	90.00	6,342.33	3,718.48	682.06	452.91	229.15	2.976	
12,900.00	6,227.00	13,250.59	6,227.00	123.93	129.46	90.00	6,442.33	3,718.83	682.07	449.50	232.57	2.933	
13,000.00	6,227.00	13,350.59	6,227.00	125.49	130.91	90.00	6,542.33	3,719.18	682.07	446.08	235.99	2.890	
13,100.00	6,227.00	13,450.59	6,227.00	127.07	132.37	90.00	6,642.33	3,719.53	682.07	442.66	239.41	2.849	
13,200.00	6,227.00	13,550.59	6,227.00	128.65	133.84	90.00	6,742.33	3,719.88	682.08	439.24	242.84	2.809	
13,300.00	6,227.00	13,650.59	6,227.00	130.24	135.32	90.00	6,842.33	3,720.24	682.08	435.81	246.27	2.770	
13,400.00	6,227.00	13,750.59	6,227.00	131.83	136.80	90.00	6,942.33	3,720.59	682.08	432.38	249.70	2.732	
13,500.00	6,227.00	13,850.59	6,227.00	133.43	138.30	90.00	7,042.33	3,720.94	682.09	428.95	253.14	2.695	
13,600.00	6,227.00	13,950.59	6,227.00	135.03	139.81	90.00	7,142.33	3,721.29	682.09	425.52	256.58	2.658	
13,700.00	6,227.00	14,050.59	6,227.00	136.64	141.32	90.00	7,242.33	3,721.64	682.09	422.08	260.02	2.623	
13,800.00	6,227.00	14,150.59	6,227.00	138.25	142.85	90.00	7,342.33	3,722.00	682.10	418.64	263.46	2.589	
13,900.00	6,227.00	14,250.59	6,227.00	139.87	144.38	90.00	7,442.33	3,722.35	682.10	415.19	266.91	2.556	
14,000.00	6,227.00	14,350.59	6,227.00	141.50	145.92	90.00	7,542.33	3,722.70	682.10	411.74	270.36	2.523	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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-20-07 - 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	14,450.59	6,227.00	143.12	147.46	90.00	7,642.33	3,723.05	682.11	408.30	273.81	2.491	
14,200.00	6,227.00	14,550.59	6,227.00	144.76	149.01	90.00	7,742.33	3,723.40	682.11	404.84	277.27	2.460	
14,300.00	6,227.00	14,650.59	6,227.00	146.39	150.57	90.00	7,842.32	3,723.75	682.11	401.39	280.73	2.430	
14,400.00	6,227.00	14,750.59	6,227.00	148.03	152.14	90.00	7,942.32	3,724.11	682.12	397.93	284.18	2.400	
14,500.00	6,227.00	14,850.59	6,227.00	149.67	153.71	90.00	8,042.32	3,724.46	682.12	394.48	287.65	2.371	
14,600.00	6,227.00	14,950.59	6,227.00	151.32	155.29	90.00	8,142.32	3,724.81	682.13	391.02	291.11	2.343	
14,700.00	6,227.00	15,050.59	6,227.00	152.97	156.87	90.00	8,242.32	3,725.16	682.13	387.55	294.58	2.316	
14,800.00	6,227.00	15,150.59	6,227.00	154.62	158.46	90.00	8,342.32	3,725.51	682.13	384.09	298.04	2.289	
14,900.00	6,227.00	15,250.59	6,227.00	156.28	160.05	90.00	8,442.32	3,725.87	682.14	380.62	301.51	2.262	
15,000.00	6,227.00	15,350.59	6,227.00	157.94	161.65	90.00	8,542.32	3,726.22	682.14	377.16	304.98	2.237	
15,100.00	6,227.00	15,450.59	6,227.00	159.60	163.25	90.00	8,642.32	3,726.57	682.14	373.69	308.46	2.211	
15,200.00	6,227.00	15,550.59	6,227.00	161.27	164.86	90.00	8,742.32	3,726.92	682.15	370.21	311.93	2.187	
15,300.00	6,227.00	15,650.59	6,227.00	162.94	166.47	90.00	8,842.32	3,727.27	682.15	366.74	315.41	2.163	
15,400.00	6,227.00	15,750.59	6,227.00	164.61	168.09	90.00	8,942.32	3,727.62	682.15	363.27	318.88	2.139	
15,500.00	6,227.00	15,850.59	6,227.00	166.28	169.71	90.00	9,042.32	3,727.98	682.16	359.79	322.36	2.116	
15,600.00	6,227.00	15,950.59	6,227.00	167.95	171.33	90.00	9,142.32	3,728.33	682.16	356.31	325.84	2.094	
15,700.00	6,227.00	16,050.59	6,227.00	169.63	172.96	90.00	9,242.32	3,728.68	682.16	352.84	329.33	2.071	
15,800.00	6,227.00	16,150.59	6,227.00	171.31	174.59	90.00	9,342.32	3,729.03	682.17	349.36	332.81	2.050	
15,900.00	6,227.00	16,250.59	6,227.00	172.99	176.23	90.00	9,442.32	3,729.38	682.17	345.87	336.29	2.028	
16,000.00	6,227.00	16,350.59	6,227.00	174.68	177.86	90.00	9,542.31	3,729.73	682.17	342.39	339.78	2.008	
16,100.00	6,227.00	16,450.59	6,227.00	176.36	179.51	90.00	9,642.31	3,730.09	682.18	338.91	343.27	1.987	
16,200.00	6,227.00	16,550.59	6,227.00	178.05	181.15	90.00	9,742.31	3,730.44	682.18	335.42	346.76	1.967	
16,300.00	6,227.00	16,650.59	6,227.00	179.74	182.80	90.00	9,842.31	3,730.79	682.18	331.94	350.25	1.948	
16,400.00	6,227.00	16,750.59	6,227.00	181.43	184.45	90.00	9,942.31	3,731.14	682.19	328.45	353.74	1.929	
16,500.00	6,227.00	16,850.59	6,227.00	183.13	186.10	90.00	10,042.31	3,731.49	682.19	324.96	357.23	1.910	
16,600.00	6,227.00	16,950.59	6,227.00	184.82	187.76	90.00	10,142.31	3,731.85	682.19	321.47	360.72	1.891	
16,700.00	6,227.00	17,050.59	6,227.00	186.52	189.42	90.00	10,242.31	3,732.20	682.20	317.98	364.22	1.873	
16,800.00	6,227.00	17,150.59	6,227.00	188.22	191.08	90.00	10,342.31	3,732.55	682.20	314.49	367.71	1.855	
16,900.00	6,227.00	17,250.59	6,227.00	189.92	192.74	90.00	10,442.31	3,732.90	682.20	311.00	371.21	1.838	
16,909.68	6,227.00	17,260.28	6,227.00	190.08	192.91	90.00	10,451.99	3,732.94	682.20	310.66	371.54	1.836	
17,000.81	6,227.00	17,348.07	6,227.00	191.63	194.37	90.00	10,539.78	3,733.24	682.22	307.12	375.10	1.819 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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	180.00	-39.71	0.00	39.71				
100.00	100.00	100.00	100.00	0.27	0.27	180.00	-39.71	0.00	39.71	39.17	0.54	73.842	
200.00	200.00	200.09	200.07	0.63	0.62	177.48	-39.54	1.74	39.58	38.33	1.25	31.662	
245.40	245.40	245.46	245.40	0.79	0.79	174.66	-39.36	3.68	39.53	37.96	1.58	25.081 CC	
300.00	300.00	299.93	299.77	0.99	0.99	169.92	-39.06	6.94	39.67	37.70	1.97	20.158 ES	
400.00	399.98	399.45	398.91	1.34	1.36	76.79	-38.25	15.57	40.88	38.19	2.69	15.186	
500.00	499.84	498.74	497.45	1.69	1.75	67.90	-37.13	27.58	43.26	39.83	3.43	12.622	
600.00	599.45	597.78	595.28	2.06	2.17	60.17	-35.69	42.95	46.61	42.43	4.18	11.153	
700.00	698.70	696.60	692.29	2.44	2.62	53.67	-33.95	61.63	50.73	45.79	4.95	10.258	
800.00	797.47	795.18	788.37	2.85	3.10	48.28	-31.90	83.57	55.43	49.71	5.73	9.682	
900.00	895.62	893.53	883.42	3.29	3.63	43.85	-29.55	108.73	60.56	54.04	6.52	9.290	
1,000.00	993.06	991.66	977.33	3.76	4.20	40.20	-26.90	137.05	65.98	58.66	7.32	9.010	
1,100.00	1,089.64	1,089.57	1,070.00	4.27	4.82	37.20	-23.96	168.48	71.62	63.48	8.15	8.791	
1,200.00	1,185.27	1,187.26	1,161.34	4.83	5.49	34.72	-20.74	202.97	77.41	68.42	8.99	8.613	
1,300.00	1,279.82	1,284.73	1,251.25	5.45	6.23	32.65	-17.24	240.46	83.28	73.44	9.85	8.457	
1,400.00	1,373.17	1,382.00	1,339.64	6.12	7.02	30.93	-13.46	280.87	89.21	78.48	10.73	8.313	
1,500.00	1,465.21	1,479.07	1,426.42	6.85	7.87	29.48	-9.42	324.16	95.15	83.51	11.64	8.175	
1,600.00	1,555.84	1,575.93	1,511.50	7.65	8.78	28.26	-5.11	370.25	101.08	88.51	12.57	8.040	
1,700.00	1,644.94	1,672.60	1,594.80	8.51	9.77	27.24	-0.55	419.08	106.98	93.45	13.54	7.903	
1,800.00	1,732.39	1,769.08	1,676.24	9.45	10.82	26.37	4.26	470.57	112.84	98.30	14.53	7.764	
1,827.18	1,755.86	1,795.27	1,698.04	9.72	11.11	26.16	5.61	485.02	114.42	99.61	14.81	7.727	
1,900.00	1,818.58	1,865.31	1,755.69	10.44	11.93	25.50	9.31	524.62	119.46	103.92	15.53	7.690	
2,000.00	1,904.71	1,961.01	1,832.85	11.46	13.12	24.18	14.57	580.98	129.05	112.60	16.46	7.842	
2,100.00	1,990.83	2,055.96	1,907.50	12.49	14.36	22.56	20.03	639.40	141.79	124.49	17.30	8.198	
2,200.00	2,076.96	2,151.92	1,981.09	13.53	15.68	20.82	25.76	700.71	157.45	139.31	18.13	8.683	
2,300.00	2,163.08	2,250.48	2,056.32	14.57	17.06	19.30	31.68	764.11	173.79	154.71	19.08	9.109	
2,400.00	2,249.21	2,349.04	2,131.54	15.62	18.45	18.03	37.61	827.52	190.22	170.18	20.04	9.492	
2,500.00	2,335.33	2,447.60	2,206.77	16.68	19.85	16.97	43.53	890.93	206.74	185.72	21.02	9.837	
2,600.00	2,421.45	2,546.16	2,281.99	17.74	21.26	16.06	49.46	954.33	223.31	201.31	22.00	10.149	
2,700.00	2,507.58	2,644.72	2,357.21	18.81	22.68	15.28	55.38	1,017.74	239.93	216.93	23.00	10.431	
2,800.00	2,593.70	2,743.28	2,432.44	19.87	24.09	14.61	61.30	1,081.14	256.59	232.58	24.01	10.688	
2,900.00	2,679.83	2,841.84	2,507.66	20.94	25.52	14.01	67.23	1,144.55	273.28	248.26	25.02	10.922	
3,000.00	2,765.95	2,940.40	2,582.89	22.01	26.94	13.48	73.15	1,207.96	289.99	263.95	26.04	11.136	
3,100.00	2,852.08	3,038.96	2,658.11	23.09	28.37	13.01	79.08	1,271.36	306.73	279.66	27.06	11.333	
3,200.00	2,938.20	3,137.52	2,733.34	24.16	29.80	12.59	85.00	1,334.77	323.48	295.39	28.09	11.514	
3,300.00	3,024.32	3,236.08	2,808.56	25.24	31.23	12.21	90.92	1,398.18	340.25	311.12	29.13	11.681	
3,400.00	3,110.45	3,334.64	2,883.78	26.32	32.66	11.86	96.85	1,461.58	357.03	326.86	30.17	11.835	
3,500.00	3,196.57	3,433.20	2,959.01	27.40	34.10	11.55	102.77	1,524.99	373.82	342.62	31.21	11.979	
3,600.00	3,282.70	3,531.76	3,034.23	28.48	35.54	11.26	108.70	1,588.39	390.63	358.38	32.25	12.112	
3,700.00	3,368.82	3,630.32	3,109.46	29.56	36.97	11.00	114.62	1,651.80	407.44	374.14	33.30	12.236	
3,800.00	3,454.95	3,728.88	3,184.68	30.64	38.41	10.76	120.54	1,715.21	424.26	389.91	34.35	12.352	
3,900.00	3,541.07	3,827.44	3,259.90	31.72	39.85	10.54	126.47	1,778.61	441.08	405.69	35.40	12.460	
4,000.00	3,627.19	3,926.00	3,335.13	32.80	41.29	10.33	132.39	1,842.02	457.92	421.46	36.45	12.562	
4,100.00	3,713.32	4,024.56	3,410.35	33.89	42.73	10.14	138.31	1,905.42	474.75	437.25	37.51	12.658	
4,200.00	3,799.44	4,123.12	3,485.58	34.97	44.17	9.96	144.24	1,968.83	491.60	453.03	38.56	12.748	
4,300.00	3,885.57	4,221.68	3,560.80	36.05	45.62	9.79	150.16	2,032.24	508.44	468.82	39.62	12.832	
4,400.00	3,971.69	4,320.24	3,636.03	37.14	47.06	9.63	156.09	2,095.64	525.30	484.61	40.68	12.912	
4,500.00	4,057.82	4,418.80	3,711.25	38.22	48.50	9.49	162.01	2,159.05	542.15	500.41	41.74	12.988	
4,600.00	4,143.94	4,517.36	3,786.47	39.31	49.95	9.35	167.93	2,222.45	559.01	516.20	42.80	13.060	
4,700.00	4,230.06	4,615.92	3,861.70	40.39	51.39	9.22	173.86	2,285.86	575.87	532.00	43.87	13.128	
4,800.00	4,316.19	4,714.48	3,936.92	41.48	52.84	9.10	179.78	2,349.27	592.73	547.80	44.93	13.192	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,402.31	4,813.04	4,012.15	42.57	54.28	8.98	185.71	2,412.67	609.60	563.60	46.00	13.253		
5,000.00	4,488.44	4,911.60	4,087.37	43.65	55.73	8.87	191.63	2,476.08	626.47	579.40	47.06	13.312		
5,100.00	4,574.56	5,010.16	4,162.59	44.74	57.17	8.77	197.55	2,539.49	643.34	595.21	48.13	13.367		
5,200.00	4,660.69	5,108.72	4,237.82	45.83	58.62	8.67	203.48	2,602.89	660.21	611.01	49.20	13.420		
5,300.00	4,746.81	5,207.28	4,313.04	46.91	60.07	8.57	209.40	2,666.30	677.08	626.82	50.26	13.471		
5,400.00	4,832.93	5,305.84	4,388.27	48.00	61.51	8.49	215.33	2,729.70	693.96	642.63	51.33	13.519		
5,500.00	4,919.06	5,404.40	4,463.49	49.09	62.96	8.40	221.25	2,793.11	710.84	658.43	52.40	13.565		
5,600.00	5,005.18	5,502.96	4,538.72	50.17	64.41	8.32	227.17	2,856.52	727.71	674.24	53.47	13.609		
5,700.00	5,091.31	5,601.52	4,613.94	51.26	65.85	8.24	233.10	2,919.92	744.60	690.05	54.54	13.652		
5,800.00	5,177.43	5,700.08	4,689.16	52.35	67.30	8.17	239.02	2,983.33	761.48	705.86	55.61	13.692		
5,900.00	5,263.56	5,798.64	4,764.39	53.44	68.75	8.10	244.95	3,046.73	778.36	721.67	56.68	13.731		
6,000.00	5,349.68	5,897.20	4,839.61	54.53	70.19	8.03	250.87	3,110.14	795.24	737.49	57.76	13.769		
6,100.00	5,435.80	5,995.76	4,914.84	55.61	71.64	7.97	256.79	3,173.55	812.13	753.30	58.83	13.805		
6,200.00	5,521.93	6,094.32	4,990.06	56.70	73.09	7.90	262.72	3,236.95	829.01	769.11	59.90	13.840		
6,300.00	5,608.05	6,192.88	5,065.28	57.79	74.54	7.84	268.64	3,300.36	845.90	784.93	60.97	13.873		
6,400.00	5,694.18	6,291.44	5,140.51	58.88	75.99	7.79	274.57	3,363.76	862.79	800.74	62.05	13.905		
6,479.32	5,762.49	6,369.62	5,200.17	59.74	77.14	7.74	279.26	3,414.06	876.18	813.28	62.90	13.930		
6,500.00	5,780.28	6,390.00	5,215.73	59.97	77.43	10.86	280.49	3,427.17	879.69	816.55	63.13	13.934		
6,550.00	5,822.98	6,439.12	5,253.22	60.51	78.16	18.21	283.44	3,458.77	888.24	824.43	63.81	13.921		
6,600.00	5,865.00	6,487.72	5,290.31	61.05	78.87	25.07	286.36	3,490.04	896.89	832.26	64.64	13.876		
6,650.00	5,906.01	6,535.44	5,326.73	61.57	79.57	31.27	289.23	3,520.73	905.70	840.05	65.65	13.795		
6,700.00	5,945.70	6,581.91	5,362.20	62.08	80.25	36.75	292.02	3,550.63	914.76	847.87	66.89	13.675		
6,750.00	5,983.77	6,626.77	5,396.44	62.56	80.91	41.53	294.72	3,579.49	924.21	855.81	68.40	13.512		
6,800.00	6,019.92	6,669.69	5,429.20	63.02	81.54	45.65	297.30	3,607.10	934.22	864.00	70.22	13.305		
6,850.00	6,053.90	6,710.34	5,460.22	63.45	82.14	49.15	299.74	3,633.25	944.98	872.61	72.37	13.058		
6,900.00	6,085.42	6,748.40	5,489.27	63.86	82.70	52.06	302.03	3,657.74	956.70	881.82	74.87	12.777		
6,950.00	6,114.26	6,783.60	5,516.14	64.23	83.22	54.40	304.15	3,680.38	969.57	891.84	77.73	12.473		
7,000.00	6,140.20	6,815.66	5,540.60	64.58	83.69	56.17	306.07	3,701.00	983.78	902.87	80.91	12.158		
7,050.00	6,163.03	6,844.33	5,562.49	64.89	84.11	57.37	307.80	3,719.45	999.47	915.10	84.37	11.846		
7,100.00	6,182.59	6,869.41	5,581.63	65.17	84.48	57.98	309.30	3,735.58	1,016.76	928.71	88.05	11.547		
7,150.00	6,198.73	6,890.69	5,597.87	65.42	84.79	57.98	310.58	3,749.28	1,035.71	943.84	91.87	11.273		
7,200.00	6,211.32	6,908.03	5,611.10	65.65	85.05	57.36	311.62	3,760.43	1,056.31	960.55	95.75	11.031		
7,250.00	6,220.26	6,921.27	5,621.21	65.84	85.24	56.11	312.42	3,768.95	1,078.52	978.89	99.62	10.826		
7,300.00	6,225.50	6,930.33	5,628.13	66.01	85.38	54.22	312.97	3,774.78	1,102.22	998.81	103.41	10.659		
7,344.70	6,227.00	6,934.83	5,631.56	66.14	85.44	52.00	313.24	3,777.67	1,124.54	1,017.87	106.67	10.542		
7,400.00	6,227.00	6,938.28	5,634.19	66.29	85.49	52.21	313.44	3,779.89	1,153.72	1,043.21	110.51	10.440		
7,500.00	6,227.00	6,944.51	5,638.95	66.58	85.58	52.58	313.82	3,783.90	1,211.10	1,094.25	116.85	10.364		
7,600.00	6,227.00	8,282.90	6,227.00	66.90	97.24	90.00	1,140.34	4,282.29	1,264.00	1,190.41	73.59	17.177		
7,700.00	6,227.00	8,382.90	6,227.00	67.24	97.45	90.00	1,240.34	4,282.64	1,264.00	1,188.60	75.40	16.764		
7,800.00	6,227.00	8,482.90	6,227.00	67.61	97.68	90.00	1,340.34	4,282.99	1,264.00	1,186.67	77.33	16.345		
7,900.00	6,227.00	8,582.90	6,227.00	68.00	97.93	90.00	1,440.34	4,283.34	1,264.00	1,184.62	79.38	15.924		
8,000.00	6,227.00	8,682.90	6,227.00	68.43	98.18	90.00	1,540.34	4,283.69	1,264.00	1,182.48	81.53	15.504		
8,100.00	6,227.00	8,782.90	6,227.00	68.88	98.45	90.00	1,640.34	4,284.04	1,264.01	1,180.24	83.77	15.089		
8,200.00	6,227.00	8,882.90	6,227.00	69.36	98.74	90.00	1,740.34	4,284.39	1,264.01	1,177.91	86.10	14.681		
8,300.00	6,227.00	8,982.90	6,227.00	69.88	99.04	90.00	1,840.34	4,284.74	1,264.01	1,175.50	88.51	14.281		
8,400.00	6,227.00	9,082.90	6,227.00	70.43	99.36	90.00	1,940.34	4,285.09	1,264.01	1,173.01	91.00	13.891		
8,500.00	6,227.00	9,182.90	6,227.00	71.00	99.69	90.00	2,040.34	4,285.44	1,264.01	1,170.46	93.55	13.512		
8,600.00	6,227.00	9,282.90	6,227.00	71.62	100.04	90.00	2,140.34	4,285.79	1,264.01	1,167.85	96.17	13.144		
8,700.00	6,227.00	9,382.90	6,227.00	72.26	100.40	90.00	2,240.34	4,286.14	1,264.01	1,165.17	98.84	12.788		
8,800.00	6,227.00	9,482.90	6,227.00	72.94	100.79	90.00	2,340.34	4,286.49	1,264.02	1,162.45	101.57	12.445		
8,900.00	6,227.00	9,582.90	6,227.00	73.66	101.19	90.00	2,440.34	4,286.84	1,264.02	1,159.67	104.34	12.114		

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,000.00	6,227.00	9,682.90	6,227.00	74.41	101.61	90.00	2,540.34	4,287.19	1,264.02	1,156.85	107.17	11.795	
9,100.00	6,227.00	9,782.90	6,227.00	75.19	102.05	90.00	2,640.33	4,287.54	1,264.02	1,153.99	110.03	11.488	
9,200.00	6,227.00	9,882.90	6,227.00	76.01	102.51	90.00	2,740.33	4,287.89	1,264.02	1,151.09	112.93	11.193	
9,300.00	6,227.00	9,982.90	6,227.00	76.86	102.99	90.00	2,840.33	4,288.24	1,264.02	1,148.15	115.87	10.909	
9,400.00	6,227.00	10,082.90	6,227.00	77.75	103.49	90.00	2,940.33	4,288.59	1,264.02	1,145.18	118.84	10.636	
9,500.00	6,227.00	10,182.90	6,227.00	78.67	104.01	90.00	3,040.33	4,288.94	1,264.03	1,142.18	121.85	10.374	
9,600.00	6,227.00	10,282.90	6,227.00	79.63	104.56	90.00	3,140.33	4,289.29	1,264.03	1,139.15	124.88	10.122	
9,700.00	6,227.00	10,382.90	6,227.00	80.62	105.12	90.00	3,240.33	4,289.64	1,264.03	1,136.10	127.93	9.880	
9,800.00	6,227.00	10,482.90	6,227.00	81.64	105.71	90.00	3,340.33	4,289.99	1,264.03	1,133.02	131.01	9.648	
9,900.00	6,227.00	10,582.90	6,227.00	82.69	106.32	90.00	3,440.33	4,290.34	1,264.03	1,129.91	134.12	9.425	
10,000.00	6,227.00	10,682.90	6,227.00	83.77	106.96	90.00	3,540.33	4,290.69	1,264.03	1,126.79	137.25	9.210	
10,100.00	6,227.00	10,782.90	6,227.00	84.88	107.62	90.00	3,640.33	4,291.04	1,264.03	1,123.64	140.39	9.004	
10,200.00	6,227.00	10,882.90	6,227.00	86.02	108.30	90.00	3,740.33	4,291.39	1,264.04	1,120.48	143.56	8.805	
10,300.00	6,227.00	10,982.90	6,227.00	87.19	109.01	90.00	3,840.33	4,291.74	1,264.04	1,117.30	146.74	8.614	
10,400.00	6,227.00	11,082.90	6,227.00	88.38	109.75	90.00	3,940.33	4,292.09	1,264.04	1,114.10	149.94	8.431	
10,500.00	6,227.00	11,182.90	6,227.00	89.60	110.50	90.00	4,040.33	4,292.44	1,264.04	1,110.89	153.15	8.254	
10,600.00	6,227.00	11,282.90	6,227.00	90.84	111.29	90.00	4,140.33	4,292.79	1,264.04	1,107.66	156.38	8.083	
10,700.00	6,227.00	11,382.90	6,227.00	92.11	112.10	90.00	4,240.33	4,293.14	1,264.04	1,104.42	159.62	7.919	
10,800.00	6,227.00	11,482.90	6,227.00	93.39	112.93	90.00	4,340.32	4,293.49	1,264.04	1,101.17	162.87	7.761	
10,900.00	6,227.00	11,582.90	6,227.00	94.70	113.79	90.00	4,440.32	4,293.84	1,264.04	1,097.91	166.14	7.608	
11,000.00	6,227.00	11,682.90	6,227.00	96.03	114.68	90.00	4,540.32	4,294.19	1,264.05	1,094.63	169.42	7.461	
11,100.00	6,227.00	11,782.90	6,227.00	97.37	115.59	90.00	4,640.32	4,294.54	1,264.05	1,091.34	172.70	7.319	
11,200.00	6,227.00	11,882.90	6,227.00	98.74	116.52	90.00	4,740.32	4,294.89	1,264.05	1,088.05	176.00	7.182	
11,300.00	6,227.00	11,982.90	6,227.00	100.12	117.48	90.00	4,840.32	4,295.23	1,264.05	1,084.74	179.31	7.050	
11,400.00	6,227.00	12,082.90	6,227.00	101.51	118.46	90.00	4,940.32	4,295.58	1,264.05	1,081.43	182.63	6.922	
11,500.00	6,227.00	12,182.90	6,227.00	102.92	119.47	90.00	5,040.32	4,295.93	1,264.05	1,078.10	185.95	6.798	
11,600.00	6,227.00	12,282.90	6,227.00	104.35	120.50	90.00	5,140.32	4,296.28	1,264.05	1,074.77	189.28	6.678	
11,700.00	6,227.00	12,382.90	6,227.00	105.79	121.55	90.00	5,240.32	4,296.63	1,264.06	1,071.43	192.63	6.562	
11,800.00	6,227.00	12,482.90	6,227.00	107.24	122.63	90.00	5,340.32	4,296.98	1,264.06	1,068.08	195.97	6.450	
11,900.00	6,227.00	12,582.90	6,227.00	108.71	123.73	90.00	5,440.32	4,297.33	1,264.06	1,064.73	199.33	6.342	
12,000.00	6,227.00	12,682.90	6,227.00	110.19	124.85	90.00	5,540.32	4,297.68	1,264.06	1,061.37	202.69	6.236	
12,100.00	6,227.00	12,782.90	6,227.00	111.68	125.99	90.00	5,640.32	4,298.03	1,264.06	1,058.01	206.06	6.135	
12,200.00	6,227.00	12,882.90	6,227.00	113.18	127.15	90.00	5,740.32	4,298.38	1,264.06	1,054.63	209.43	6.036	
12,300.00	6,227.00	12,982.90	6,227.00	114.68	128.33	90.00	5,840.32	4,298.73	1,264.06	1,051.26	212.81	5.940	
12,400.00	6,227.00	13,082.90	6,227.00	116.20	129.54	90.00	5,940.31	4,299.08	1,264.07	1,047.87	216.19	5.847	
12,500.00	6,227.00	13,182.90	6,227.00	117.73	130.76	90.00	6,040.31	4,299.43	1,264.07	1,044.48	219.58	5.757	
12,600.00	6,227.00	13,282.90	6,227.00	119.27	131.99	90.00	6,140.31	4,299.78	1,264.07	1,041.09	222.98	5.669	
12,700.00	6,227.00	13,382.90	6,227.00	120.81	133.25	90.00	6,240.31	4,300.13	1,264.07	1,037.69	226.38	5.584	
12,800.00	6,227.00	13,482.90	6,227.00	122.37	134.52	90.00	6,340.31	4,300.48	1,264.07	1,034.29	229.78	5.501	
12,900.00	6,227.00	13,582.90	6,227.00	123.93	135.81	90.00	6,440.31	4,300.83	1,264.07	1,030.89	233.19	5.421	
13,000.00	6,227.00	13,682.90	6,227.00	125.49	137.12	90.00	6,540.31	4,301.18	1,264.07	1,027.48	236.60	5.343	
13,100.00	6,227.00	13,782.90	6,227.00	127.07	138.44	90.00	6,640.31	4,301.53	1,264.08	1,024.06	240.01	5.267	
13,200.00	6,227.00	13,882.90	6,227.00	128.65	139.77	90.00	6,740.31	4,301.88	1,264.08	1,020.64	243.43	5.193	
13,300.00	6,227.00	13,982.90	6,227.00	130.24	141.12	90.00	6,840.31	4,302.23	1,264.08	1,017.22	246.86	5.121	
13,400.00	6,227.00	14,082.90	6,227.00	131.83	142.49	90.00	6,940.31	4,302.58	1,264.08	1,013.80	250.28	5.051	
13,500.00	6,227.00	14,182.90	6,227.00	133.43	143.87	90.00	7,040.31	4,302.93	1,264.08	1,010.37	253.71	4.982	
13,600.00	6,227.00	14,282.90	6,227.00	135.03	145.25	90.00	7,140.31	4,303.28	1,264.08	1,006.94	257.14	4.916	
13,700.00	6,227.00	14,382.90	6,227.00	136.64	146.66	90.00	7,240.31	4,303.63	1,264.08	1,003.50	260.58	4.851	
13,800.00	6,227.00	14,482.90	6,227.00	138.25	148.07	90.00	7,340.31	4,303.98	1,264.09	1,000.07	264.02	4.788	
13,900.00	6,227.00	14,582.90	6,227.00	139.87	149.49	90.00	7,440.31	4,304.33	1,264.09	996.63	267.46	4.726	
14,000.00	6,227.00	14,682.90	6,227.00	141.50	150.93	90.00	7,540.30	4,304.68	1,264.09	993.18	270.91	4.666	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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		
14,100.00	6,227.00	14,782.90	6,227.00	143.12	152.38	90.00	7,640.30	4,305.03	1,264.09	989.74	274.35	4.608		
14,200.00	6,227.00	14,882.90	6,227.00	144.76	153.83	90.00	7,740.30	4,305.38	1,264.09	986.29	277.80	4.550		
14,300.00	6,227.00	14,982.90	6,227.00	146.39	155.30	90.00	7,840.30	4,305.73	1,264.09	982.84	281.25	4.494		
14,400.00	6,227.00	15,082.90	6,227.00	148.03	156.77	90.00	7,940.30	4,306.08	1,264.09	979.39	284.71	4.440		
14,500.00	6,227.00	15,182.90	6,227.00	149.67	158.26	90.00	8,040.30	4,306.43	1,264.09	975.93	288.16	4.387		
14,600.00	6,227.00	15,282.90	6,227.00	151.32	159.75	90.00	8,140.30	4,306.78	1,264.10	972.47	291.62	4.335		
14,700.00	6,227.00	15,382.90	6,227.00	152.97	161.25	90.00	8,240.30	4,307.13	1,264.10	969.01	295.08	4.284		
14,800.00	6,227.00	15,482.90	6,227.00	154.62	162.76	90.00	8,340.30	4,307.48	1,264.10	965.55	298.55	4.234		
14,900.00	6,227.00	15,582.90	6,227.00	156.28	164.28	90.00	8,440.30	4,307.83	1,264.10	962.09	302.01	4.186		
15,000.00	6,227.00	15,682.90	6,227.00	157.94	165.80	90.00	8,540.30	4,308.18	1,264.10	958.62	305.48	4.138		
15,100.00	6,227.00	15,782.90	6,227.00	159.60	167.33	90.00	8,640.30	4,308.53	1,264.10	955.16	308.95	4.092		
15,200.00	6,227.00	15,882.90	6,227.00	161.27	168.87	90.00	8,740.30	4,308.88	1,264.10	951.69	312.42	4.046		
15,300.00	6,227.00	15,982.90	6,227.00	162.94	170.41	90.00	8,840.30	4,309.23	1,264.11	948.22	315.89	4.002		
15,400.00	6,227.00	16,082.90	6,227.00	164.61	171.96	90.00	8,940.30	4,309.58	1,264.11	944.75	319.36	3.958		
15,500.00	6,227.00	16,182.90	6,227.00	166.28	173.52	90.00	9,040.30	4,309.93	1,264.11	941.27	322.84	3.916		
15,600.00	6,227.00	16,282.90	6,227.00	167.95	175.08	90.00	9,140.30	4,310.28	1,264.11	937.80	326.31	3.874		
15,700.00	6,227.00	16,382.90	6,227.00	169.63	176.65	90.00	9,240.29	4,310.63	1,264.11	934.32	329.79	3.833		
15,800.00	6,227.00	16,482.90	6,227.00	171.31	178.22	90.00	9,340.29	4,310.97	1,264.11	930.84	333.27	3.793		
15,900.00	6,227.00	16,582.90	6,227.00	172.99	179.80	90.00	9,440.29	4,311.32	1,264.11	927.36	336.75	3.754		
16,000.00	6,227.00	16,682.90	6,227.00	174.68	181.38	90.00	9,540.29	4,311.67	1,264.12	923.88	340.23	3.715		
16,100.00	6,227.00	16,782.90	6,227.00	176.36	182.97	90.00	9,640.29	4,312.02	1,264.12	920.40	343.72	3.678		
16,200.00	6,227.00	16,882.90	6,227.00	178.05	184.56	90.00	9,740.29	4,312.37	1,264.12	916.92	347.20	3.641		
16,300.00	6,227.00	16,982.90	6,227.00	179.74	186.16	90.00	9,840.29	4,312.72	1,264.12	913.43	350.69	3.605		
16,400.00	6,227.00	17,082.90	6,227.00	181.43	187.76	90.00	9,940.29	4,313.07	1,264.12	909.95	354.17	3.569		
16,500.00	6,227.00	17,182.90	6,227.00	183.13	189.37	90.00	10,040.29	4,313.42	1,264.12	906.46	357.66	3.534		
16,600.00	6,227.00	17,282.90	6,227.00	184.82	190.98	90.00	10,140.29	4,313.77	1,264.12	902.97	361.15	3.500		
16,700.00	6,227.00	17,382.90	6,227.00	186.52	192.59	90.00	10,240.29	4,314.12	1,264.13	899.48	364.64	3.467		
16,800.00	6,227.00	17,482.90	6,227.00	188.22	194.21	90.00	10,340.29	4,314.47	1,264.13	895.99	368.13	3.434		
16,900.00	6,227.00	17,582.90	6,227.00	189.92	195.83	90.00	10,440.29	4,314.82	1,264.13	892.50	371.63	3.402		
16,908.93	6,227.00	17,591.84	6,227.00	190.07	195.97	90.00	10,449.22	4,314.85	1,264.13	892.19	371.94	3.399		
17,000.81	6,227.00	17,677.76	6,227.00	191.63	197.37	90.00	10,535.14	4,315.15	1,264.14	888.66	375.49	3.367 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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	0.80	20.04	0.28	20.04				
100.00	100.00	100.00	100.00	0.27	0.27	0.80	20.04	0.28	20.04	19.50	0.54	37.267	
200.00	200.00	200.00	200.00	0.63	0.63	0.80	20.04	0.28	20.04	18.78	1.25	15.972	
300.00	300.00	300.00	300.00	0.99	0.99	0.80	20.04	0.28	20.04	18.07	1.97	10.164	
400.00	399.98	399.98	399.98	1.34	1.34	-87.57	20.04	0.28	19.89	17.21	2.68	7.415	
421.32	421.28	421.28	421.28	1.41	1.42	-89.72	20.05	0.36	19.87	17.04	2.83	7.016 CC	
500.00	499.84	499.93	499.91	1.69	1.70	-97.57	20.28	2.00	20.09	16.70	3.39	5.930 ES	
600.00	599.45	600.01	599.85	2.06	2.05	-107.03	21.00	7.19	20.95	16.85	4.10	5.107	
700.00	698.70	700.21	699.66	2.44	2.41	-115.43	22.21	15.84	22.41	17.57	4.84	4.633	
800.00	797.47	800.53	799.23	2.85	2.79	-122.55	23.90	27.96	24.35	18.76	5.59	4.356	
900.00	895.62	900.97	898.42	3.29	3.20	-128.41	26.08	43.55	26.66	20.30	6.36	4.191	
1,000.00	993.06	1,001.54	997.13	3.76	3.63	-133.16	28.74	62.60	29.26	22.10	7.15	4.091	
1,100.00	1,089.64	1,102.22	1,095.21	4.27	4.10	-136.99	31.89	85.09	32.06	24.10	7.96	4.027	
1,200.00	1,185.27	1,203.03	1,192.56	4.83	4.61	-140.06	35.51	111.02	35.01	26.22	8.79	3.982	
1,300.00	1,279.82	1,303.96	1,289.03	5.45	5.16	-142.52	39.61	140.36	38.07	28.42	9.65	3.945	
1,400.00	1,373.17	1,405.01	1,384.52	6.12	5.77	-144.49	44.18	173.08	41.21	30.67	10.54	3.911	
1,500.00	1,465.21	1,506.17	1,478.89	6.85	6.44	-146.08	49.22	209.17	44.40	32.94	11.46	3.875	
1,600.00	1,555.84	1,607.46	1,572.02	7.65	7.17	-147.34	54.73	248.58	47.63	35.21	12.42	3.836	
1,700.00	1,644.94	1,707.43	1,663.15	8.51	7.94	-149.22	60.42	289.31	52.17	38.77	13.39	3.895	
1,800.00	1,732.39	1,807.09	1,753.98	9.45	8.73	-152.39	66.09	329.91	59.81	45.55	14.27	4.193	
1,827.18	1,755.86	1,834.11	1,778.61	9.72	8.94	-153.36	67.63	340.93	62.45	47.97	14.49	4.311	
1,900.00	1,818.58	1,906.50	1,844.59	10.44	9.52	-155.76	71.75	370.42	69.93	54.85	15.08	4.637	
2,000.00	1,904.71	2,005.90	1,935.19	11.46	10.33	-158.33	77.41	410.92	80.34	64.42	15.92	5.047	
2,100.00	1,990.83	2,105.30	2,025.79	12.49	11.14	-160.31	83.07	451.42	90.88	74.10	16.78	5.417	
2,200.00	2,076.96	2,204.70	2,116.38	13.53	11.96	-161.87	88.72	491.92	101.50	83.85	17.65	5.750	
2,300.00	2,163.08	2,304.10	2,206.98	14.57	12.79	-163.14	94.38	532.42	112.19	93.64	18.54	6.050	
2,400.00	2,249.21	2,403.50	2,297.58	15.62	13.62	-164.19	100.04	572.92	122.91	103.47	19.44	6.322	
2,500.00	2,335.33	2,502.90	2,388.18	16.68	14.45	-165.07	105.70	613.42	133.68	113.32	20.35	6.568	
2,600.00	2,421.45	2,602.30	2,478.78	17.74	15.29	-165.81	111.36	653.92	144.47	123.20	21.27	6.793	
2,700.00	2,507.58	2,701.70	2,569.38	18.81	16.13	-166.46	117.02	694.42	155.28	133.09	22.19	6.997	
2,800.00	2,593.70	2,801.10	2,659.97	19.87	16.97	-167.02	122.67	734.92	166.10	142.98	23.12	7.185	
2,900.00	2,679.83	2,900.50	2,750.57	20.94	17.81	-167.51	128.33	775.43	176.94	152.89	24.05	7.357	
3,000.00	2,765.95	2,999.90	2,841.17	22.01	18.65	-167.94	133.99	815.93	187.80	162.81	24.98	7.516	
3,100.00	2,852.08	3,099.30	2,931.77	23.09	19.50	-168.33	139.65	856.43	198.66	172.73	25.92	7.663	
3,200.00	2,938.20	3,198.70	3,022.37	24.16	20.34	-168.68	145.31	896.93	209.53	182.66	26.86	7.799	
3,300.00	3,024.32	3,298.10	3,112.97	25.24	21.19	-168.99	150.97	937.43	220.40	192.59	27.81	7.926	
3,400.00	3,110.45	3,397.50	3,203.56	26.32	22.04	-169.27	156.62	977.93	231.28	202.53	28.76	8.043	
3,500.00	3,196.57	3,496.90	3,294.16	27.40	22.89	-169.53	162.28	1,018.43	242.17	212.47	29.70	8.153	
3,600.00	3,282.70	3,596.30	3,384.76	28.48	23.74	-169.77	167.94	1,058.93	253.06	222.41	30.65	8.256	
3,700.00	3,368.82	3,695.70	3,475.36	29.56	24.59	-169.98	173.60	1,099.43	263.96	232.35	31.61	8.352	
3,800.00	3,454.95	3,795.10	3,565.96	30.64	25.44	-170.18	179.26	1,139.93	274.86	242.30	32.56	8.442	
3,900.00	3,541.07	3,894.50	3,656.55	31.72	26.29	-170.37	184.92	1,180.43	285.76	252.25	33.51	8.527	
4,000.00	3,627.19	3,993.90	3,747.15	32.80	27.14	-170.54	190.57	1,220.93	296.66	262.20	34.47	8.607	
4,100.00	3,713.32	4,093.30	3,837.75	33.89	28.00	-170.69	196.23	1,261.43	307.57	272.15	35.42	8.682	
4,200.00	3,799.44	4,192.70	3,928.35	34.97	28.85	-170.84	201.89	1,301.93	318.48	282.10	36.38	8.754	
4,300.00	3,885.57	4,292.10	4,018.95	36.05	29.70	-170.98	207.55	1,342.43	329.39	292.05	37.34	8.821	
4,400.00	3,971.69	4,391.50	4,109.55	37.14	30.56	-171.11	213.21	1,382.93	340.30	302.00	38.30	8.885	
4,500.00	4,057.82	4,490.90	4,200.14	38.22	31.41	-171.23	218.87	1,423.43	351.22	311.96	39.26	8.946	
4,600.00	4,143.94	4,590.30	4,290.74	39.31	32.27	-171.34	224.52	1,463.93	362.14	321.91	40.22	9.004	
4,700.00	4,230.06	4,689.70	4,381.34	40.39	33.12	-171.45	230.18	1,504.43	373.05	331.87	41.18	9.058	
4,800.00	4,316.19	4,789.10	4,471.94	41.48	33.97	-171.55	235.84	1,544.93	383.97	341.83	42.15	9.111	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
4,900.00	4,402.31	4,888.50	4,562.54	42.57	34.83	-171.64	241.50	1,585.44	394.89	351.78	43.11	9.161	
5,000.00	4,488.44	4,987.90	4,653.14	43.65	35.68	-171.74	247.16	1,625.94	405.81	361.74	44.07	9.208	
5,100.00	4,574.56	5,087.30	4,743.73	44.74	36.54	-171.82	252.82	1,666.44	416.73	371.70	45.03	9.254	
5,200.00	4,660.69	5,186.70	4,834.33	45.83	37.40	-171.90	258.47	1,706.94	427.66	381.66	46.00	9.297	
5,300.00	4,746.81	5,286.10	4,924.93	46.91	38.25	-171.98	264.13	1,747.44	438.58	391.62	46.96	9.339	
5,400.00	4,832.93	5,385.50	5,015.53	48.00	39.11	-172.05	269.79	1,787.94	449.50	401.57	47.93	9.379	
5,500.00	4,919.06	5,484.90	5,106.13	49.09	39.96	-172.12	275.45	1,828.44	460.43	411.53	48.89	9.417	
5,600.00	5,005.18	5,584.30	5,196.72	50.17	40.82	-172.19	281.11	1,868.94	471.35	421.49	49.86	9.454	
5,700.00	5,091.31	5,683.70	5,287.32	51.26	41.68	-172.25	286.77	1,909.44	482.28	431.45	50.83	9.489	
5,800.00	5,177.43	5,783.10	5,377.92	52.35	42.53	-172.31	292.42	1,949.94	493.21	441.41	51.79	9.523	
5,900.00	5,263.56	5,882.50	5,468.52	53.44	43.39	-172.37	298.08	1,990.44	504.13	451.37	52.76	9.555	
6,000.00	5,349.68	5,981.90	5,559.12	54.53	44.25	-172.43	303.74	2,030.94	515.06	461.33	53.73	9.587	
6,100.00	5,435.80	6,081.30	5,649.72	55.61	45.10	-172.48	309.40	2,071.44	525.99	471.29	54.69	9.617	
6,200.00	5,521.93	6,180.63	5,740.25	56.70	45.96	-172.53	315.07	2,111.91	536.92	481.26	55.66	9.646	
6,300.00	5,608.05	6,277.68	5,827.71	57.79	46.80	-171.63	329.57	2,151.11	548.05	491.11	56.94	9.624	
6,400.00	5,694.18	6,369.29	5,907.07	58.88	47.57	-169.28	357.90	2,186.83	560.29	501.43	58.86	9.518	
6,479.32	5,762.49	6,435.59	5,961.37	59.74	48.11	-166.76	386.87	2,211.38	571.96	511.11	60.85	9.400	
6,500.00	5,780.28	6,450.00	5,972.74	59.97	48.23	-162.35	394.06	2,216.53	575.38	514.06	61.32	9.383	
6,550.00	5,822.98	6,490.87	6,004.04	60.51	48.54	-151.86	416.16	2,230.74	583.99	521.30	62.69	9.315	
6,600.00	5,865.00	6,528.99	6,031.86	61.05	48.83	-142.31	438.92	2,243.40	592.95	529.09	63.86	9.285	
6,650.00	5,906.01	6,566.41	6,057.77	61.57	49.10	-133.77	463.20	2,255.22	602.11	537.23	64.88	9.280	
6,700.00	5,945.70	6,600.00	6,079.73	62.08	49.33	-126.38	486.52	2,265.27	611.30	545.81	65.50	9.333	
6,750.00	5,983.77	6,639.52	6,103.92	62.56	49.60	-119.78	515.73	2,276.38	620.36	554.00	66.36	9.349	
6,800.00	6,019.92	6,675.35	6,124.20	63.02	49.83	-114.17	543.74	2,285.73	629.18	562.38	66.80	9.419	
6,850.00	6,053.90	6,710.78	6,142.64	63.45	50.04	-109.36	572.75	2,294.27	637.62	570.57	67.05	9.510	
6,900.00	6,085.42	6,750.00	6,161.10	63.86	50.28	-105.17	606.26	2,302.86	645.58	578.12	67.46	9.570	
6,950.00	6,114.26	6,780.65	6,174.04	64.23	50.44	-101.76	633.37	2,308.93	652.92	585.90	67.02	9.742	
7,000.00	6,140.20	6,815.18	6,187.00	64.58	50.63	-98.81	664.78	2,315.05	659.60	592.81	66.79	9.876	
7,050.00	6,163.03	6,850.00	6,198.29	64.89	50.81	-96.35	697.27	2,320.43	665.52	599.04	66.48	10.011	
7,100.00	6,182.59	6,883.62	6,207.47	65.17	50.97	-94.34	729.31	2,324.87	670.61	604.62	65.99	10.162	
7,150.00	6,198.73	6,917.60	6,214.98	65.42	51.12	-92.74	762.23	2,328.57	674.82	609.33	65.49	10.305	
7,200.00	6,211.32	6,950.00	6,220.46	65.65	51.27	-91.53	794.04	2,331.36	678.11	613.28	64.83	10.460	
7,250.00	6,220.26	6,985.23	6,224.55	65.84	51.41	-90.67	828.96	2,333.55	680.43	616.02	64.41	10.564	
7,300.00	6,225.50	7,018.94	6,226.62	66.01	51.54	-90.16	862.57	2,334.84	681.77	617.87	63.90	10.669	
7,344.70	6,227.00	7,053.10	6,227.00	66.14	51.67	-90.00	896.72	2,335.37	682.08	618.30	63.79	10.693	
7,400.00	6,227.00	7,108.39	6,227.00	66.29	51.88	-90.00	952.01	2,335.95	681.69	617.03	64.66	10.543	
7,500.00	6,227.00	7,208.39	6,227.00	66.58	52.29	-90.00	1,052.00	2,337.02	680.97	614.61	66.36	10.262	
7,600.00	6,227.00	7,308.39	6,227.00	66.90	52.74	-90.00	1,152.00	2,338.08	680.26	612.06	68.20	9.974	
7,700.00	6,227.00	7,408.38	6,227.00	67.24	53.22	-90.00	1,251.99	2,339.14	679.55	609.37	70.18	9.683	
7,800.00	6,227.00	7,508.38	6,227.00	67.61	53.76	-90.00	1,351.98	2,340.21	678.83	606.56	72.27	9.393	
7,900.00	6,227.00	7,608.38	6,227.00	68.00	54.33	-90.00	1,451.97	2,341.27	678.12	603.64	74.47	9.105	
8,000.00	6,227.00	7,708.38	6,227.00	68.43	54.94	-90.00	1,551.96	2,342.33	677.40	600.63	76.78	8.823	
8,100.00	6,227.00	7,808.37	6,227.00	68.88	55.61	-90.00	1,651.95	2,343.39	676.69	597.52	79.17	8.547	
8,200.00	6,227.00	7,908.37	6,227.00	69.36	56.31	-90.00	1,751.95	2,344.46	675.97	594.32	81.65	8.279	
8,300.00	6,227.00	8,008.37	6,227.00	69.88	57.06	-90.00	1,851.94	2,345.52	675.26	591.05	84.21	8.019	
8,400.00	6,227.00	8,108.37	6,227.00	70.43	57.85	-90.00	1,951.93	2,346.58	674.54	587.71	86.83	7.769	
8,500.00	6,227.00	8,208.36	6,227.00	71.00	58.69	-90.00	2,051.92	2,347.65	673.83	584.31	89.52	7.527	
8,600.00	6,227.00	8,308.36	6,227.00	71.62	59.57	-90.00	2,151.91	2,348.71	673.12	580.85	92.26	7.296	
8,700.00	6,227.00	8,408.36	6,227.00	72.26	60.49	-90.00	2,251.91	2,349.77	672.40	577.34	95.06	7.073	
8,800.00	6,227.00	8,508.36	6,227.00	72.94	61.45	-90.00	2,351.90	2,350.83	671.69	573.78	97.91	6.860	
8,900.00	6,227.00	8,608.35	6,227.00	73.66	62.46	-90.00	2,451.89	2,351.90	670.97	570.17	100.80	6.657	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
9,000.00	6,227.00	8,708.35	6,227.00	74.41	63.50	-90.00	2,551.88	2,352.96	670.26	566.53	103.73	6.462	
9,100.00	6,227.00	8,808.35	6,227.00	75.19	64.58	-90.00	2,651.87	2,354.02	669.54	562.84	106.70	6.275	
9,200.00	6,227.00	8,908.35	6,227.00	76.01	65.69	-90.00	2,751.86	2,355.09	668.83	559.13	109.70	6.097	
9,300.00	6,227.00	9,008.34	6,227.00	76.86	66.84	-90.00	2,851.86	2,356.15	668.11	555.38	112.74	5.926	
9,400.00	6,227.00	9,108.34	6,227.00	77.75	68.02	-90.00	2,951.85	2,357.21	667.40	551.60	115.80	5.763	
9,500.00	6,227.00	9,208.34	6,227.00	78.67	69.23	-90.00	3,051.84	2,358.27	666.68	547.80	118.89	5.608	
9,600.00	6,227.00	9,308.34	6,227.00	79.63	70.47	-90.00	3,151.83	2,359.34	665.97	543.97	122.00	5.459	
9,700.00	6,227.00	9,408.33	6,227.00	80.62	71.74	-90.00	3,251.82	2,360.40	665.26	540.12	125.14	5.316	
9,800.00	6,227.00	9,508.33	6,227.00	81.64	73.03	-90.00	3,351.82	2,361.46	664.54	536.24	128.30	5.180	
9,900.00	6,227.00	9,608.33	6,227.00	82.69	74.35	-90.00	3,451.81	2,362.53	663.83	532.35	131.48	5.049	
10,000.00	6,227.00	9,708.33	6,227.00	83.77	75.68	-90.00	3,551.80	2,363.59	663.11	528.44	134.67	4.924	
10,100.00	6,227.00	9,808.32	6,227.00	84.88	77.04	-90.00	3,651.79	2,364.65	662.40	524.51	137.89	4.804	
10,200.00	6,227.00	9,908.32	6,227.00	86.02	78.42	-90.00	3,751.78	2,365.71	661.68	520.57	141.11	4.689	
10,300.00	6,227.00	10,008.32	6,227.00	87.19	79.82	-90.00	3,851.77	2,366.78	660.97	516.61	144.36	4.579	
10,400.00	6,227.00	10,108.32	6,227.00	88.38	81.24	-90.00	3,951.77	2,367.84	660.25	512.64	147.62	4.473	
10,500.00	6,227.00	10,208.31	6,227.00	89.60	82.67	-90.00	4,051.76	2,368.90	659.54	508.65	150.89	4.371	
10,600.00	6,227.00	10,308.31	6,227.00	90.84	84.12	-90.00	4,151.75	2,369.97	658.82	504.66	154.17	4.273	
10,700.00	6,227.00	10,408.31	6,227.00	92.11	85.58	-90.00	4,251.74	2,371.03	658.11	500.65	157.46	4.179	
10,800.00	6,227.00	10,508.31	6,227.00	93.39	87.06	-90.00	4,351.73	2,372.09	657.40	496.63	160.77	4.089	
10,900.00	6,227.00	10,608.30	6,227.00	94.70	88.55	-90.00	4,451.72	2,373.15	656.68	492.60	164.08	4.002	
11,000.00	6,227.00	10,708.30	6,227.00	96.03	90.05	-90.00	4,551.72	2,374.22	655.97	488.56	167.41	3.918	
11,100.00	6,227.00	10,808.30	6,227.00	97.37	91.57	-90.00	4,651.71	2,375.28	655.25	484.51	170.74	3.838	
11,200.00	6,227.00	10,908.30	6,227.00	98.74	93.09	-90.00	4,751.70	2,376.34	654.54	480.46	174.08	3.760	
11,300.00	6,227.00	11,008.29	6,227.00	100.12	94.62	-90.00	4,851.69	2,377.41	653.82	476.39	177.43	3.685	
11,400.00	6,227.00	11,108.29	6,227.00	101.51	96.17	-90.00	4,951.68	2,378.47	653.11	472.32	180.79	3.613	
11,500.00	6,227.00	11,208.29	6,227.00	102.92	97.72	-90.00	5,051.68	2,379.53	652.39	468.24	184.15	3.543	
11,600.00	6,227.00	11,308.29	6,227.00	104.35	99.28	-90.00	5,151.67	2,380.59	651.68	464.16	187.52	3.475	
11,700.00	6,227.00	11,408.28	6,227.00	105.79	100.85	-90.00	5,251.66	2,381.66	650.97	460.07	190.90	3.410	
11,800.00	6,227.00	11,508.28	6,227.00	107.24	102.43	-90.00	5,351.65	2,382.72	650.25	455.97	194.28	3.347	
11,900.00	6,227.00	11,608.28	6,227.00	108.71	104.01	-90.00	5,451.64	2,383.78	649.54	451.87	197.67	3.286	
12,000.00	6,227.00	11,708.27	6,227.00	110.19	105.61	-90.00	5,551.63	2,384.85	648.82	447.76	201.06	3.227	
12,060.29	6,227.00	11,763.93	6,227.00	111.08	106.49	-90.00	5,607.28	2,385.36	648.48	445.96	202.52	3.202	
12,100.00	6,227.00	11,796.31	6,227.00	111.68	107.01	-90.00	5,639.66	2,385.29	648.71	445.77	202.93	3.197	
12,200.00	6,227.00	11,893.59	6,227.00	113.18	108.56	-90.00	5,736.94	2,384.15	650.22	444.24	205.99	3.157	
12,300.00	6,227.00	11,993.58	6,227.00	114.68	110.15	-90.00	5,836.92	2,382.95	651.77	442.37	209.40	3.113	
12,400.00	6,227.00	12,093.57	6,227.00	116.20	111.76	-90.00	5,936.90	2,381.75	653.32	440.50	212.81	3.070	
12,500.00	6,227.00	12,193.56	6,227.00	117.73	113.36	-90.00	6,036.88	2,380.56	654.86	438.63	216.23	3.029	
12,600.00	6,227.00	12,293.54	6,227.00	119.27	114.98	-90.00	6,136.86	2,379.36	656.41	436.76	219.66	2.988	
12,700.00	6,227.00	12,393.53	6,227.00	120.81	116.60	-90.00	6,236.85	2,378.16	657.96	434.87	223.08	2.949	
12,800.00	6,227.00	12,493.52	6,227.00	122.37	118.23	-90.00	6,336.83	2,376.96	659.51	432.99	226.52	2.912	
12,900.00	6,227.00	12,593.51	6,227.00	123.93	119.86	-90.00	6,436.81	2,375.76	661.05	431.10	229.95	2.875	
13,000.00	6,227.00	12,693.50	6,227.00	125.49	121.49	-90.00	6,536.79	2,374.56	662.60	429.21	233.39	2.839	
13,100.00	6,227.00	12,793.48	6,227.00	127.07	123.13	-90.00	6,636.77	2,373.36	664.15	427.32	236.83	2.804	
13,200.00	6,227.00	12,893.47	6,227.00	128.65	124.77	-90.00	6,736.75	2,372.16	665.70	425.42	240.28	2.771	
13,300.00	6,227.00	12,993.46	6,227.00	130.24	126.42	-90.00	6,836.73	2,370.97	667.24	423.52	243.73	2.738	
13,400.00	6,227.00	13,093.45	6,227.00	131.83	128.07	-90.00	6,936.71	2,369.77	668.79	421.61	247.18	2.706	
13,500.00	6,227.00	13,193.44	6,227.00	133.43	129.73	-90.00	7,036.69	2,368.57	670.34	419.71	250.63	2.675	
13,600.00	6,227.00	13,293.42	6,227.00	135.03	131.39	-90.00	7,136.67	2,367.37	671.88	417.80	254.09	2.644	
13,700.00	6,227.00	13,393.41	6,227.00	136.64	133.05	-90.00	7,236.65	2,366.17	673.43	415.88	257.55	2.615	
13,800.00	6,227.00	13,493.40	6,227.00	138.25	134.72	-90.00	7,336.63	2,364.97	674.98	413.97	261.01	2.586	
13,900.00	6,227.00	13,593.39	6,227.00	139.87	136.39	-90.00	7,436.62	2,363.77	676.53	412.05	264.47	2.558	

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-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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	
14,000.00	6,227.00	13,693.38	6,227.00	141.50	138.06	-90.00	7,536.60	2,362.57	678.07	410.13	267.94	2.531	
14,100.00	6,227.00	13,793.36	6,227.00	143.12	139.74	-90.00	7,636.58	2,361.37	679.62	408.21	271.41	2.504	
14,200.00	6,227.00	13,893.35	6,227.00	144.76	141.41	-90.00	7,736.56	2,360.18	681.17	406.29	274.88	2.478	
14,300.00	6,227.00	13,993.34	6,227.00	146.39	143.09	-90.00	7,836.54	2,358.98	682.72	404.36	278.35	2.453	
14,400.00	6,227.00	14,093.33	6,227.00	148.03	144.78	-90.00	7,936.52	2,357.78	684.26	402.44	281.83	2.428	
14,500.00	6,227.00	14,193.32	6,227.00	149.67	146.46	-90.00	8,036.50	2,356.58	685.81	400.51	285.30	2.404	
14,600.00	6,227.00	14,293.30	6,227.00	151.32	148.15	-90.00	8,136.48	2,355.38	687.36	398.58	288.78	2.380	
14,700.00	6,227.00	14,393.29	6,227.00	152.97	149.84	-90.00	8,236.46	2,354.18	688.90	396.64	292.26	2.357	
14,800.00	6,227.00	14,493.28	6,227.00	154.62	151.53	-90.00	8,336.44	2,352.98	690.45	394.71	295.74	2.335	
14,900.00	6,227.00	14,593.27	6,227.00	156.28	153.23	-90.00	8,436.42	2,351.78	692.00	392.77	299.23	2.313	
15,000.00	6,227.00	14,693.26	6,227.00	157.94	154.93	-90.00	8,536.41	2,350.59	693.55	390.83	302.71	2.291	
15,100.00	6,227.00	14,793.24	6,227.00	159.60	156.63	-90.00	8,636.39	2,349.39	695.09	388.89	306.20	2.270	
15,200.00	6,227.00	14,893.23	6,227.00	161.27	158.33	-90.00	8,736.37	2,348.19	696.64	386.95	309.69	2.249	
15,300.00	6,227.00	14,993.22	6,227.00	162.94	160.03	-90.00	8,836.35	2,346.99	698.19	385.01	313.18	2.229	
15,400.00	6,227.00	15,093.21	6,227.00	164.61	161.73	-90.00	8,936.33	2,345.79	699.74	383.07	316.67	2.210	
15,500.00	6,227.00	15,193.20	6,227.00	166.28	163.44	-90.00	9,036.31	2,344.59	701.28	381.12	320.16	2.190	
15,600.00	6,227.00	15,293.18	6,227.00	167.95	165.15	-90.00	9,136.29	2,343.39	702.83	379.18	323.65	2.172	
15,700.00	6,227.00	15,393.17	6,227.00	169.63	166.86	-90.00	9,236.27	2,342.19	704.38	377.23	327.15	2.153	
15,800.00	6,227.00	15,493.16	6,227.00	171.31	168.57	-90.00	9,336.25	2,341.00	705.93	375.28	330.64	2.135	
15,900.00	6,227.00	15,593.15	6,227.00	172.99	170.28	-90.00	9,436.23	2,339.80	707.47	373.33	334.14	2.117	
16,000.00	6,227.00	15,693.14	6,227.00	174.68	171.99	-90.00	9,536.21	2,338.60	709.02	371.38	337.64	2.100	
16,100.00	6,227.00	15,793.12	6,227.00	176.36	173.71	-90.00	9,636.19	2,337.40	710.57	369.43	341.14	2.083	
16,200.00	6,227.00	15,893.11	6,227.00	178.05	175.43	-90.00	9,736.18	2,336.20	712.11	367.47	344.64	2.066	
16,300.00	6,227.00	15,993.10	6,227.00	179.74	177.14	-90.00	9,836.16	2,335.00	713.66	365.52	348.14	2.050	
16,400.00	6,227.00	16,093.09	6,227.00	181.43	178.86	-90.00	9,936.14	2,333.80	715.21	363.57	351.64	2.034	
16,500.00	6,227.00	16,193.08	6,227.00	183.13	180.58	-90.00	10,036.12	2,332.60	716.76	361.61	355.15	2.018	
16,600.00	6,227.00	16,293.06	6,227.00	184.82	182.31	-90.00	10,136.10	2,331.40	718.30	359.65	358.65	2.003	
16,700.00	6,227.00	16,393.05	6,227.00	186.52	184.03	-90.00	10,236.08	2,330.21	719.85	357.69	362.16	1.988	
16,800.00	6,227.00	16,493.04	6,227.00	188.22	185.75	-90.00	10,336.06	2,329.01	721.40	355.74	365.66	1.973	
16,900.00	6,227.00	16,593.03	6,227.00	189.92	187.48	-90.00	10,436.04	2,327.81	722.95	353.78	369.17	1.958	
17,000.81	6,227.00	16,693.82	6,227.00	191.63	189.22	-90.00	10,536.83	2,326.60	724.51	351.80	372.71	1.944 SF	

## Anticollision Report

Reference Depths are relative to KB 25' @ 4569.00usft	Coordinates are relative to: STATE NORTH PLATTE F-36 FED 25N-20-06
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105.500000°W	Grid Convergence at Surface is: 0.72°





# Civitas Resources

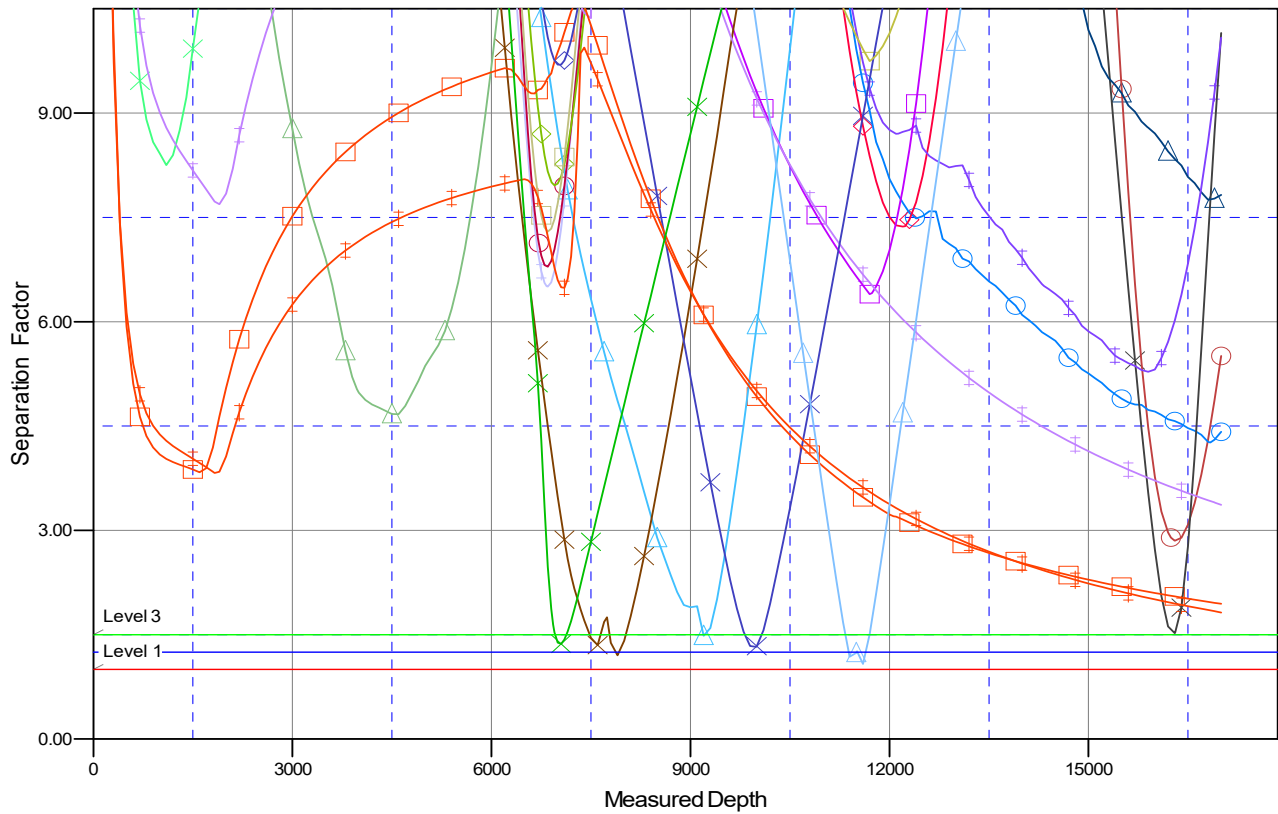
## Anticollision Report

<b>Company:</b>	BONANZA CREEK ENERGY	<b>Local Co-ordinate Reference:</b>	Well STATE NORTH PLATTE F-36 FED 25N-20-06
<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-20-06	<b>Survey Calculation Method:</b>	Minimum Curvature
<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-20-06  
 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 HZ STATE NORTH PLATTE 3431-36NB, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-10-03, OMB, PROPOSAL 1V0
EXIST HZ NORTH PLATTE F-36H2, OMB, FINAL SURVEY V0	EXIST HZ STATE NORTH PLATTE 1444-11-36NC, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-20-07, OMB, PROPOSAL 1V0
EXIST HZ NORTH PLATTE A-24NB, OMB, FINAL SURVEY V0	EXIST HZ SI 70 RANCH USX BB25-96-11N, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-30-05, OMB, PROPOSAL 1V0
EXIST HZ NORTH PLATTE OK-24NB, STK 1 FINAL SURVEY V0	EXIST HZ STATE NORTH PLATTE F21-04-36NC, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-10-01, OMB, PROPOSAL 1V0
EXIST HZ NORTH PLATTE OK-24NB, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-10-02, OMB, PROPOSAL 1V0	EXIST HZ STATE NORTH PLATTE YU-36NC, OMB, FINAL SURVEY V0
ABND VERT MONAHAN FEDERAL 24 (GYRO), OMB, GYRO V0	EXIST HZ STATE NORTH PLATTE Y44-U1-36NC, OMB, FINAL SURVEY V0	EXIST HZ STATE NORTH PLATTE F-36HNB, OMB, FINAL SURVEY V0
EXIST HZ NORTH PLATTE A-24NC, OMB, FINAL SURVEY V0	EXIST HZ STATE NORTH PLATTE F11-14-36NC, OMB, FINAL SURVEY V0	EXIST HZ STATE NORTH PLATTE 11-36-1XRNB, OMB, FINAL SURVEY V0
EXIST HZ NORTH PLATTE A-24H2, OMB, FINAL SURVEY V0	EXIST HZ STATE NORTH PLATTE K21-04-36NB, OMB, FINAL SURVEY V0	EXIST HZ STATE NORTH PLATTE 11-36-1XRNB, OMB, FINAL SURVEY V0
EXIST HZ NORTH PLATTE OK-24H2, OMB, FINAL SURVEY V0	EXIST HZ STATE NORTH PLATTE K-36H2, OMB, FINAL SURVEY V0	EXIST HZ STATE NORTH PLATTE 44-13-36NB, OMB, FINAL SURVEY V0
EXIST HZ SI 70 RANCH USX BB 25-96H2, OMB, FINAL SURVEY V0	STATE NORTH PLATTE F-36 FED 25N-20-08, OMB, PROPOSAL 1V0	EXIST HZ STATE NORTH PLATTE K-36-36RNB, OMB, FINAL SURVEY V0
EXIST HZ STATE NORTH PLATTE T-P-36HNB, OMB, FINAL SURVEY V0	EXIST HZ STATE NORTH PLATTE 134-P31-36NC, OMB, FINAL SURVEY V0	EXIST HZ SI 70 RANCH USX BB25-68N, OMB, FINAL SURVEY V0
EXIST HZ 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