

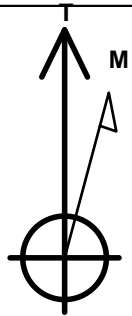
# BONANZA CREEK ENERGY OPERATING

Well Name: **State North Platte F-J-26HC**

Surface Location: State North Platte F-26 Pad Sec.26-T5N-R63W  
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone  
 Ground Elevation: 4565.0  
 +N/-S +E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 1381752.67 3303951.11 40.376180 -104.409010  
 RKB - 13' WELL @ 4578.0ft (RKB - 13')

## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
BHL 470'FSL & 1340'FWL	6523.0	-4273.3	326.0	Point
CASING POINT 631'FNL & 1340'FWL	6523.0	-156.6	381.7	Point



Azimuths to True North  
 Magnetic North: 8.44°

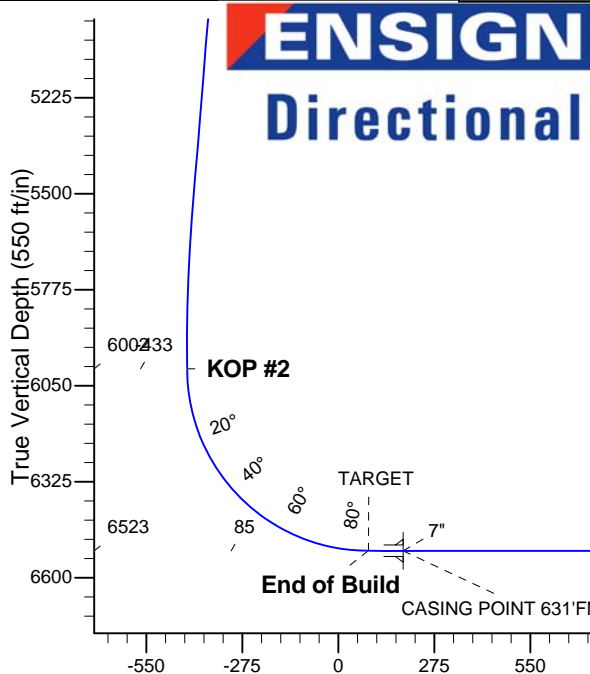
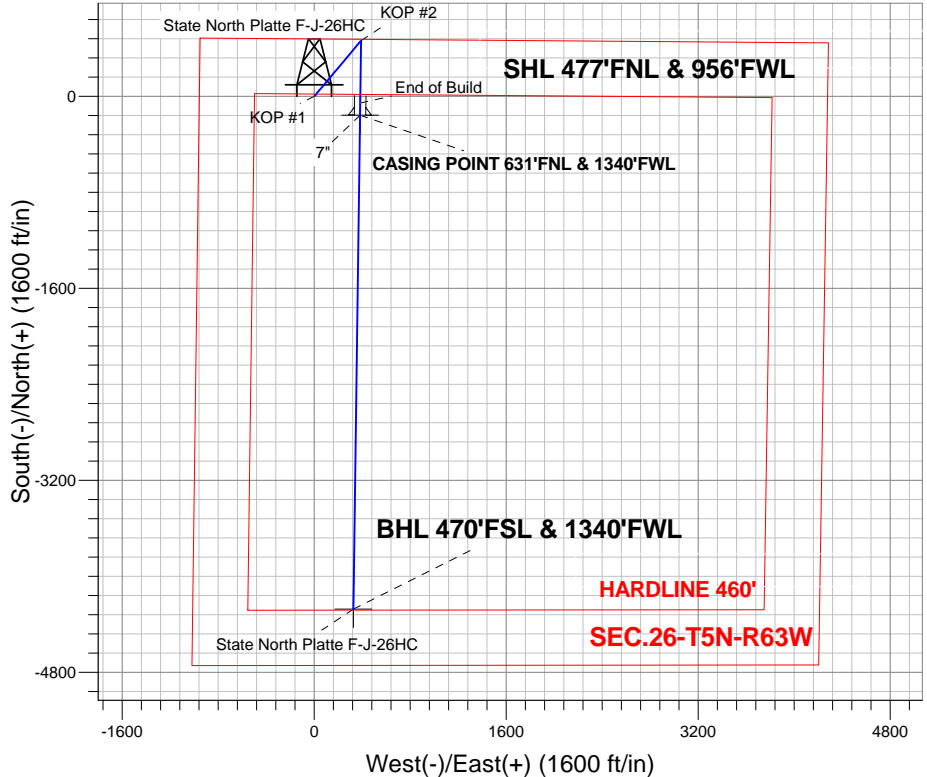
Magnetic Field  
 Strength: 52980.2srT  
 Dip Angle: 67.03°  
 Date: 2/22/2013  
 Model: IGRF2010

State North Platte F-26 Pad Sec.26-T5N-R63W  
 State North Platte F-J-26HC  
 Plan #1 (2-22-13)  
 14:32, February 27 2013

## ANNOTATIONS

TVD	MD	Annotation
200.0	200.0	KOP #1
6002.1	6035.5	KOP #2
6523.0	6853.7	End of Build

South(-)/North(+) (1600 ft/in)



## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	521.7	6.43	40.02	521.0	13.8	11.6	2.00	40.02	-12.9	
4	5611.7	6.43	40.02	5579.0	450.6	378.4	0.00	0.00	-420.5	
5	5933.4	0.00	0.00	5900.0	464.4	390.0	2.00	180.00	-433.4	
6	6035.5	0.00	0.00	6002.1	464.4	390.0	0.00	0.00	-433.4	
7	6853.7	90.00	180.76	6523.0	-56.4	383.0	11.00	180.76	85.4	
8	6953.9	90.00	180.76	6523.0	-156.6	381.7	0.00	0.00	185.2	CASING POINT 631'FNL & 1340'FWL
9	6955.0	90.00	180.77	6523.0	-157.7	381.7	1.00	90.00	186.2	
10	11071.0	90.00	180.77	6523.0	-4273.3	326.0	0.00	0.00	4285.8	BHL 470'FSL & 1340'FWL

Vertical Section at 175.64° (550 ft/in)



# **BONANZA CREEK ENERGY OPERATING**

**SEC.26-T5N-R63W**

**State North Platte F-26 Pad Sec.26-T5N-R63W**

**State North Platte F-J-26HC**

**Wellbore #1**

**Plan: Plan #1 (2-22-13)**

## **Standard Planning Report**

**27 February, 2013**

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
521.7	6.43	40.02	521.0	13.8	11.6	2.00	2.00	0.00	40.02	
5,611.7	6.43	40.02	5,579.0	450.6	378.4	0.00	0.00	0.00	0.00	
5,933.4	0.00	0.00	5,900.0	464.4	390.0	2.00	-2.00	0.00	180.00	
6,035.5	0.00	0.00	6,002.1	464.4	390.0	0.00	0.00	0.00	0.00	
6,853.7	90.00	180.76	6,523.0	-56.4	383.0	11.00	11.00	0.00	180.76	
6,953.9	90.00	180.76	6,523.0	-156.6	381.7	0.00	0.00	0.00	0.00	CASING POINT 63
6,955.0	90.00	180.77	6,523.0	-157.7	381.7	1.00	0.00	1.00	90.00	
11,071.0	90.00	180.77	6,523.0	-4,273.3	326.0	0.00	0.00	0.00	0.00	BHL 470'FSL & 134

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well State North Platte F-J-26HC
<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>TVD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Project:</b>	SEC.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Site:</b>	State North Platte F-26 Pad Sec.26-T5N-R63W	<b>North Reference:</b>	True
<b>Well:</b>	State North Platte F-J-26HC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (2-22-13)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP #1									
300.0	2.00	40.02	300.0	1.3	1.1	-1.2	2.00	2.00	0.00
400.0	4.00	40.02	399.8	5.3	4.5	-5.0	2.00	2.00	0.00
500.0	6.00	40.02	499.5	12.0	10.1	-11.2	2.00	2.00	0.00
521.7	6.43	40.02	521.0	13.8	11.6	-12.9	2.00	2.00	0.00
600.0	6.43	40.02	598.8	20.5	17.2	-19.2	0.00	0.00	0.00
700.0	6.43	40.02	698.2	29.1	24.5	-27.2	0.00	0.00	0.00
800.0	6.43	40.02	797.6	37.7	31.7	-35.2	0.00	0.00	0.00
900.0	6.43	40.02	896.9	46.3	38.9	-43.2	0.00	0.00	0.00
1,000.0	6.43	40.02	996.3	54.9	46.1	-51.2	0.00	0.00	0.00
1,100.0	6.43	40.02	1,095.7	63.4	53.3	-59.2	0.00	0.00	0.00
1,200.0	6.43	40.02	1,195.1	72.0	60.5	-67.2	0.00	0.00	0.00
1,300.0	6.43	40.02	1,294.4	80.6	67.7	-75.2	0.00	0.00	0.00
1,400.0	6.43	40.02	1,393.8	89.2	74.9	-83.2	0.00	0.00	0.00
1,500.0	6.43	40.02	1,493.2	97.8	82.1	-91.2	0.00	0.00	0.00
1,600.0	6.43	40.02	1,592.5	106.3	89.3	-99.2	0.00	0.00	0.00
1,700.0	6.43	40.02	1,691.9	114.9	96.5	-107.3	0.00	0.00	0.00
1,800.0	6.43	40.02	1,791.3	123.5	103.7	-115.3	0.00	0.00	0.00
1,900.0	6.43	40.02	1,890.6	132.1	110.9	-123.3	0.00	0.00	0.00
2,000.0	6.43	40.02	1,990.0	140.7	118.1	-131.3	0.00	0.00	0.00
2,100.0	6.43	40.02	2,089.4	149.2	125.3	-139.3	0.00	0.00	0.00
2,200.0	6.43	40.02	2,188.8	157.8	132.5	-147.3	0.00	0.00	0.00
2,300.0	6.43	40.02	2,288.1	166.4	139.8	-155.3	0.00	0.00	0.00
2,400.0	6.43	40.02	2,387.5	175.0	147.0	-163.3	0.00	0.00	0.00
2,500.0	6.43	40.02	2,486.9	183.6	154.2	-171.3	0.00	0.00	0.00
2,600.0	6.43	40.02	2,586.2	192.2	161.4	-179.3	0.00	0.00	0.00
2,700.0	6.43	40.02	2,685.6	200.7	168.6	-187.3	0.00	0.00	0.00
2,800.0	6.43	40.02	2,785.0	209.3	175.8	-195.3	0.00	0.00	0.00
2,900.0	6.43	40.02	2,884.3	217.9	183.0	-203.3	0.00	0.00	0.00
3,000.0	6.43	40.02	2,983.7	226.5	190.2	-211.4	0.00	0.00	0.00
3,100.0	6.43	40.02	3,083.1	235.1	197.4	-219.4	0.00	0.00	0.00
3,200.0	6.43	40.02	3,182.5	243.6	204.6	-227.4	0.00	0.00	0.00
3,300.0	6.43	40.02	3,281.8	252.2	211.8	-235.4	0.00	0.00	0.00
3,400.0	6.43	40.02	3,381.2	260.8	219.0	-243.4	0.00	0.00	0.00
3,500.0	6.43	40.02	3,480.6	269.4	226.2	-251.4	0.00	0.00	0.00
3,600.0	6.43	40.02	3,579.9	278.0	233.4	-259.4	0.00	0.00	0.00
3,700.0	6.43	40.02	3,679.3	286.5	240.6	-267.4	0.00	0.00	0.00
3,800.0	6.43	40.02	3,778.7	295.1	247.8	-275.4	0.00	0.00	0.00
3,900.0	6.43	40.02	3,878.0	303.7	255.0	-283.4	0.00	0.00	0.00
4,000.0	6.43	40.02	3,977.4	312.3	262.3	-291.4	0.00	0.00	0.00
4,100.0	6.43	40.02	4,076.8	320.9	269.5	-299.4	0.00	0.00	0.00
4,200.0	6.43	40.02	4,176.2	329.4	276.7	-307.4	0.00	0.00	0.00
4,300.0	6.43	40.02	4,275.5	338.0	283.9	-315.5	0.00	0.00	0.00
4,400.0	6.43	40.02	4,374.9	346.6	291.1	-323.5	0.00	0.00	0.00
4,500.0	6.43	40.02	4,474.3	355.2	298.3	-331.5	0.00	0.00	0.00
4,600.0	6.43	40.02	4,573.6	363.8	305.5	-339.5	0.00	0.00	0.00
4,700.0	6.43	40.02	4,673.0	372.4	312.7	-347.5	0.00	0.00	0.00
4,800.0	6.43	40.02	4,772.4	380.9	319.9	-355.5	0.00	0.00	0.00
4,900.0	6.43	40.02	4,871.8	389.5	327.1	-363.5	0.00	0.00	0.00
5,000.0	6.43	40.02	4,971.1	398.1	334.3	-371.5	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well State North Platte F-J-26HC
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<b>Project:</b>	SEC.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Site:</b>	State North Platte F-26 Pad Sec.26-T5N-R63W	<b>North Reference:</b>	True
<b>Well:</b>	State North Platte F-J-26HC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (2-22-13)		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.0	6.43	40.02	5,070.5	406.7	341.5	-379.5	0.00	0.00	0.00
5,200.0	6.43	40.02	5,169.9	415.3	348.7	-387.5	0.00	0.00	0.00
5,300.0	6.43	40.02	5,269.2	423.8	355.9	-395.5	0.00	0.00	0.00
5,400.0	6.43	40.02	5,368.6	432.4	363.1	-403.5	0.00	0.00	0.00
5,500.0	6.43	40.02	5,468.0	441.0	370.3	-411.5	0.00	0.00	0.00
5,600.0	6.43	40.02	5,567.3	449.6	377.6	-419.6	0.00	0.00	0.00
5,611.7	6.43	40.02	5,579.0	450.6	378.4	-420.5	0.00	0.00	0.00
5,700.0	4.67	40.02	5,666.9	457.1	383.9	-426.6	2.00	-2.00	0.00
5,800.0	2.67	40.02	5,766.6	462.0	388.0	-431.2	2.00	-2.00	0.00
5,900.0	0.67	40.02	5,866.6	464.3	389.9	-433.2	2.00	-2.00	0.00
5,933.4	0.00	0.00	5,900.0	464.4	390.0	-433.4	2.00	-2.00	0.00
6,000.0	0.00	0.00	5,966.6	464.4	390.0	-433.4	0.00	0.00	0.00
6,035.5	0.00	0.00	6,002.1	464.4	390.0	-433.4	0.00	0.00	0.00
<b>KOP #2</b>									
6,100.0	7.09	180.76	6,066.4	460.4	389.9	-429.4	10.99	10.99	0.00
6,200.0	18.09	180.76	6,163.9	438.7	389.7	-407.7	11.00	11.00	0.00
6,300.0	29.09	180.76	6,255.4	398.7	389.1	-367.9	11.00	11.00	0.00
6,400.0	40.09	180.76	6,337.6	342.0	388.4	-311.5	11.00	11.00	0.00
6,500.0	51.09	180.76	6,407.4	270.7	387.4	-240.4	11.00	11.00	0.00
6,600.0	62.09	180.76	6,462.4	187.4	386.3	-157.4	11.00	11.00	0.00
6,700.0	73.09	180.76	6,500.5	95.1	385.1	-65.5	11.00	11.00	0.00
6,800.0	84.09	180.76	6,520.2	-2.8	383.8	32.0	11.00	11.00	0.00
6,853.7	90.00	180.76	6,523.0	-56.4	383.0	85.4	11.00	11.00	0.00
<b>End of Build - TARGET</b>									
6,900.0	90.00	180.76	6,523.0	-102.7	382.4	131.5	0.00	0.00	0.00
6,953.9	90.00	180.76	6,523.0	-156.6	381.7	185.2	0.00	0.00	0.00
<b>7"</b>									
6,955.0	90.00	180.77	6,523.0	-157.7	381.7	186.2	0.96	0.00	0.96
7,000.0	90.00	180.77	6,523.0	-202.7	381.1	231.1	0.00	0.00	0.00
7,100.0	90.00	180.77	6,523.0	-302.7	379.7	330.7	0.00	0.00	0.00
7,200.0	90.00	180.77	6,523.0	-402.7	378.4	430.3	0.00	0.00	0.00
7,300.0	90.00	180.77	6,523.0	-502.7	377.0	529.9	0.00	0.00	0.00
7,400.0	90.00	180.77	6,523.0	-602.7	375.7	629.5	0.00	0.00	0.00
7,500.0	90.00	180.77	6,523.0	-702.6	374.3	729.1	0.00	0.00	0.00
7,600.0	90.00	180.77	6,523.0	-802.6	373.0	828.7	0.00	0.00	0.00
7,700.0	90.00	180.77	6,523.0	-902.6	371.6	928.3	0.00	0.00	0.00
7,800.0	90.00	180.77	6,523.0	-1,002.6	370.3	1,027.9	0.00	0.00	0.00
7,900.0	90.00	180.77	6,523.0	-1,102.6	368.9	1,127.5	0.00	0.00	0.00
8,000.0	90.00	180.77	6,523.0	-1,202.6	367.6	1,227.1	0.00	0.00	0.00
8,100.0	90.00	180.77	6,523.0	-1,302.6	366.2	1,326.7	0.00	0.00	0.00
8,200.0	90.00	180.77	6,523.0	-1,402.6	364.9	1,426.3	0.00	0.00	0.00
8,300.0	90.00	180.77	6,523.0	-1,502.6	363.5	1,525.9	0.00	0.00	0.00
8,400.0	90.00	180.77	6,523.0	-1,602.6	362.2	1,625.5	0.00	0.00	0.00
8,500.0	90.00	180.77	6,523.0	-1,702.6	360.8	1,725.1	0.00	0.00	0.00
8,600.0	90.00	180.77	6,523.0	-1,802.5	359.5	1,824.7	0.00	0.00	0.00
8,700.0	90.00	180.77	6,523.0	-1,902.5	358.1	1,924.3	0.00	0.00	0.00
8,800.0	90.00	180.77	6,523.0	-2,002.5	356.8	2,023.9	0.00	0.00	0.00
8,900.0	90.00	180.77	6,523.0	-2,102.5	355.4	2,123.5	0.00	0.00	0.00
9,000.0	90.00	180.77	6,523.0	-2,202.5	354.0	2,223.1	0.00	0.00	0.00
9,100.0	90.00	180.77	6,523.0	-2,302.5	352.7	2,322.7	0.00	0.00	0.00
9,200.0	90.00	180.77	6,523.0	-2,402.5	351.3	2,422.3	0.00	0.00	0.00
9,300.0	90.00	180.77	6,523.0	-2,502.5	350.0	2,521.9	0.00	0.00	0.00
9,400.0	90.00	180.77	6,523.0	-2,602.5	348.6	2,621.5	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well State North Platte F-J-26HC
<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>TVD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Project:</b>	SEC.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Site:</b>	State North Platte F-26 Pad Sec.26-T5N-R63W	<b>North Reference:</b>	True
<b>Well:</b>	State North Platte F-J-26HC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (2-22-13)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,500.0	90.00	180.77	6,523.0	-2,702.5	347.3	2,721.1	0.00	0.00	0.00
9,600.0	90.00	180.77	6,523.0	-2,802.5	345.9	2,820.7	0.00	0.00	0.00
9,700.0	90.00	180.77	6,523.0	-2,902.4	344.6	2,920.2	0.00	0.00	0.00
9,800.0	90.00	180.77	6,523.0	-3,002.4	343.2	3,019.8	0.00	0.00	0.00
9,900.0	90.00	180.77	6,523.0	-3,102.4	341.9	3,119.4	0.00	0.00	0.00
10,000.0	90.00	180.77	6,523.0	-3,202.4	340.5	3,219.0	0.00	0.00	0.00
10,100.0	90.00	180.77	6,523.0	-3,302.4	339.2	3,318.6	0.00	0.00	0.00
10,200.0	90.00	180.77	6,523.0	-3,402.4	337.8	3,418.2	0.00	0.00	0.00
10,300.0	90.00	180.77	6,523.0	-3,502.4	336.5	3,517.8	0.00	0.00	0.00
10,400.0	90.00	180.77	6,523.0	-3,602.4	335.1	3,617.4	0.00	0.00	0.00
10,500.0	90.00	180.77	6,523.0	-3,702.4	333.8	3,717.0	0.00	0.00	0.00
10,600.0	90.00	180.77	6,523.0	-3,802.4	332.4	3,816.6	0.00	0.00	0.00
10,700.0	90.00	180.77	6,523.0	-3,902.4	331.1	3,916.2	0.00	0.00	0.00
10,800.0	90.00	180.77	6,523.0	-4,002.3	329.7	4,015.8	0.00	0.00	0.00
10,900.0	90.00	180.77	6,523.0	-4,102.3	328.4	4,115.4	0.00	0.00	0.00
11,000.0	90.00	180.77	6,523.0	-4,202.3	327.0	4,215.0	0.00	0.00	0.00
11,071.0	90.00	180.77	6,523.0	-4,273.3	326.0	4,285.8	0.00	0.00	0.00

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
BHL 470'FSL & 1340'I	0.00	0.00	6,523.0	-4,273.3	326.0	1,377,483.84	3,304,329.68	40.364450	-104.407840
- plan hits target center									
- Point									
CASING POINT 631'F	0.00	0.00	6,523.0	-156.6	381.7	1,381,600.75	3,304,334.70	40.375750	-104.407640
- plan hits target center									
- Point									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
6,953.9	6,523.0	7"	7	7-1/2

Formations				
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)
6,853.7	6,523.0	TARGET		0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well State North Platte F-J-26HC
<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>TVD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Project:</b>	SEC.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Site:</b>	State North Platte F-26 Pad	<b>North Reference:</b>	True
	Sec.26-T5N-R63W		
<b>Well:</b>	State North Platte F-J-26HC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (2-22-13)		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP #1
6,035.5	6,002.1	464.4	390.0	KOP #2
6,853.7	6,523.0	-56.4	383.0	End of Build



# **BONANZA CREEK ENERGY OPERATING**

**SEC.26-T5N-R63W**

**State North Platte F-26 Pad Sec.26-T5N-R63W**

**State North Platte F-J-26HC**

**Wellbore #1**

**Plan #1 (2-22-13)**

## **Anticollision Report**

**27 February, 2013**



<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>Local Co-ordinate Reference:</b>	Well State North Platte F-J-26HC
<b>Project:</b>	SEC.26-T5N-R63W	<b>TVD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Reference Site:</b>	State North Platte F-26 Pad Sec.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	State North Platte F-J-26HC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (2-22-13)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1 (2-22-13)		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	Stations	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 1,000.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>	<b>Date</b> 2/27/2013			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	11,071.0	Plan #1 (2-22-13) (Wellbore #1)	MWD	MWD - Standard

<b>Summary</b>						
<b>Site Name</b>	<b>Reference Measured Depth (ft)</b>	<b>Offset Measured Depth (ft)</b>	<b>Distance Between Centres (ft)</b>	<b>Between Ellipses (ft)</b>	<b>Separation Factor</b>	<b>Warning</b>
Offset Well - Wellbore - Design						
State North Platte F-26 Pad Sec.26-T5N-R63W						
State North Platte F-J-26HNB - Wellbore #1 - Plan #1 (2-	200.0	200.0	18.2	17.5	27.014	CC, ES
State North Platte F-J-26HNB - Wellbore #1 - Plan #1 (2-	11,071.0	10,794.7	182.0	102.4	2.286	SF

Offset Design		State North Platte F-26 Pad Sec.26-T5N-R63W - State North Platte F-J-26HNB - Wellbore #1 - Plan #1										Offset Site Error:		0.0 ft	
Survey Program: 0-MWD												Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis				Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-18.2	0.0	18.2	18.2	0.00	N/A			
100.0	100.0	100.0	100.0	0.1	0.1	-180.00	-18.2	0.0	18.2	18.0	0.22	81.042			
200.0	200.0	200.0	200.0	0.3	0.3	-180.00	-18.2	0.0	18.2	17.5	0.67	27.014 CC, ES			
300.0	300.0	300.0	300.0	0.6	0.6	143.25	-18.2	0.0	19.6	18.5	1.13	17.380			
400.0	399.8	399.8	399.8	0.8	0.8	150.70	-18.2	0.0	24.0	22.4	1.59	15.118			
500.0	499.5	499.5	499.5	1.0	1.0	158.33	-18.2	0.0	31.9	29.8	2.05	15.544			
521.7	521.0	521.0	521.0	1.1	1.1	159.77	-18.2	0.0	34.1	31.9	2.15	15.837			
600.0	598.8	598.8	598.8	1.3	1.2	163.87	-18.2	0.0	42.4	39.9	2.50	16.934			
700.0	698.2	698.2	698.2	1.6	1.5	167.22	-18.2	0.0	53.3	50.3	2.96	18.014			
800.0	797.6	797.6	797.6	1.9	1.7	169.43	-18.2	0.0	64.3	60.8	3.41	18.834			
900.0	896.9	896.9	896.9	2.2	1.9	170.99	-18.2	0.0	75.3	71.4	3.87	19.473			
1,000.0	996.3	996.3	996.3	2.5	2.1	172.16	-18.2	0.0	86.4	82.1	4.32	19.983			
1,100.0	1,095.7	1,095.7	1,095.7	2.8	2.4	173.06	-18.2	0.0	97.5	92.7	4.78	20.398			
1,200.0	1,195.1	1,195.1	1,195.1	3.1	2.6	173.77	-18.2	0.0	108.6	103.4	5.24	20.742			
1,300.0	1,294.4	1,294.4	1,294.4	3.4	2.8	174.35	-18.2	0.0	119.8	114.1	5.70	21.031			
1,400.0	1,393.8	1,393.8	1,393.8	3.7	3.0	174.83	-18.2	0.0	130.9	124.8	6.15	21.278			
1,500.0	1,493.2	1,493.2	1,493.2	4.0	3.2	175.24	-18.2	0.0	142.1	135.5	6.61	21.490			
1,600.0	1,592.5	1,597.7	1,597.7	4.3	3.5	175.54	-17.0	1.1	151.7	144.6	7.08	21.435			
1,700.0	1,691.9	1,703.2	1,703.0	4.6	3.7	175.66	-12.8	4.8	157.7	150.1	7.54	20.906			
1,800.0	1,791.3	1,809.0	1,808.4	4.9	3.9	175.63	-5.8	11.1	160.0	152.0	8.01	19.966			
1,900.0	1,890.6	1,913.0	1,911.6	5.2	4.2	175.47	3.9	19.6	158.8	150.3	8.48	18.716			
2,000.0	1,990.0	2,013.0	2,010.7	5.5	4.4	175.27	13.8	28.5	156.7	147.8	8.95	17.515			
2,100.0	2,089.4	2,113.0	2,109.8	5.8	4.7	175.07	23.7	37.3	154.7	145.3	9.42	16.428			
2,200.0	2,188.8	2,213.0	2,208.9	6.1	5.0	174.86	33.6	46.1	152.6	142.8	9.88	15.442			

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

Offset Design										State North Platte F-26 Pad Sec.26-T5N-R63W - State North Platte F-J-26HNB - Wellbore #1 - Plan #1				Offset Site Error:		0.0 ft
Survey Program: 0-MWD														Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance									
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
2,300.0	2,288.1	2,312.9	2,308.0	6.4	5.3	174.65	43.6	54.9	150.6	140.2	10.36	14.542				
2,400.0	2,387.5	2,412.9	2,407.1	6.7	5.5	174.43	53.5	63.8	148.5	137.7	10.83	13.718				
2,500.0	2,486.9	2,512.9	2,506.2	7.0	5.8	174.20	63.4	72.6	146.5	135.2	11.30	12.962				
2,600.0	2,586.2	2,612.9	2,605.3	7.3	6.1	173.97	73.3	81.4	144.5	132.7	11.78	12.265				
2,700.0	2,685.6	2,712.8	2,704.3	7.6	6.4	173.73	83.3	90.2	142.4	130.2	12.26	11.621				
2,800.0	2,785.0	2,812.8	2,803.4	7.9	6.7	173.49	93.2	99.1	140.4	127.7	12.74	11.024				
2,900.0	2,884.3	2,912.8	2,902.5	8.2	7.0	173.23	103.1	107.9	138.4	125.1	13.22	10.470				
3,000.0	2,983.7	3,012.8	3,001.6	8.5	7.3	172.97	113.0	116.7	136.3	122.6	13.70	9.953				
3,100.0	3,083.1	3,112.8	3,100.7	8.8	7.6	172.71	123.0	125.5	134.3	120.1	14.18	9.472				
3,200.0	3,182.5	3,212.7	3,199.8	9.1	7.9	172.43	132.9	134.4	132.3	117.6	14.66	9.021				
3,300.0	3,281.8	3,312.7	3,298.9	9.5	8.3	172.15	142.8	143.2	130.3	115.1	15.15	8.599				
3,400.0	3,381.2	3,412.7	3,398.0	9.8	8.6	171.85	152.8	152.0	128.2	112.6	15.64	8.202				
3,500.0	3,480.6	3,512.7	3,497.1	10.1	8.9	171.55	162.7	160.8	126.2	110.1	16.12	7.829				
3,600.0	3,579.9	3,612.6	3,596.2	10.4	9.2	171.24	172.6	169.7	124.2	107.6	16.61	7.477				
3,700.0	3,679.3	3,712.6	3,695.3	10.7	9.5	170.91	182.5	178.5	122.2	105.1	17.10	7.145				
3,800.0	3,778.7	3,812.6	3,794.4	11.0	9.8	170.58	192.5	187.3	120.2	102.6	17.60	6.832				
3,900.0	3,878.0	3,912.6	3,893.4	11.3	10.2	170.23	202.4	196.1	118.2	100.1	18.09	6.535				
4,000.0	3,977.4	4,012.5	3,992.5	11.6	10.5	169.88	212.3	205.0	116.2	97.6	18.59	6.253				
4,100.0	4,076.8	4,112.5	4,091.6	11.9	10.8	169.51	222.2	213.8	114.2	95.2	19.08	5.986				
4,200.0	4,176.2	4,212.5	4,190.7	12.2	11.1	169.13	232.2	222.6	112.3	92.7	19.58	5.732				
4,300.0	4,275.5	4,312.5	4,289.8	12.5	11.4	168.73	242.1	231.4	110.3	90.2	20.09	5.490				
4,400.0	4,374.9	4,412.5	4,388.9	12.8	11.8	168.32	252.0	240.3	108.3	87.7	20.59	5.260				
4,500.0	4,474.3	4,512.4	4,488.0	13.1	12.1	167.89	261.9	249.1	106.3	85.2	21.10	5.041				
4,600.0	4,573.6	4,612.4	4,587.1	13.4	12.4	167.45	271.9	257.9	104.4	82.8	21.60	4.831				
4,700.0	4,673.0	4,712.4	4,686.2	13.7	12.7	166.99	281.8	266.7	102.4	80.3	22.12	4.631				
4,800.0	4,772.4	4,812.4	4,785.3	14.0	13.1	166.52	291.7	275.6	100.5	77.8	22.63	4.440				
4,900.0	4,871.8	4,912.3	4,884.4	14.3	13.4	166.02	301.6	284.4	98.5	75.4	23.15	4.256				
5,000.0	4,971.1	5,012.3	4,983.4	14.6	13.7	165.51	311.6	293.2	96.6	72.9	23.67	4.081				
5,100.0	5,070.5	5,112.3	5,082.5	14.9	14.0	164.97	321.5	302.0	94.7	70.5	24.19	3.913				
5,200.0	5,169.9	5,212.3	5,181.6	15.2	14.4	164.41	331.4	310.9	92.8	68.0	24.72	3.752				
5,300.0	5,269.2	5,312.3	5,280.7	15.5	14.7	163.83	341.3	319.7	90.8	65.6	25.26	3.597				
5,397.9	5,366.5	5,408.5	5,376.1	15.8	15.0	163.36	350.5	327.8	89.5	63.8	25.75	3.478				
5,400.0	5,368.6	5,410.5	5,378.2	15.8	15.0	163.36	350.6	327.9	89.5	63.8	25.76	3.477				
5,500.0	5,468.0	5,507.6	5,474.8	16.1	15.2	163.49	357.6	334.1	91.2	65.0	26.17	3.485				
5,600.0	5,567.3	5,604.4	5,571.5	16.4	15.4	164.22	362.0	338.1	96.1	69.6	26.54	3.622				
5,611.7	5,579.0	5,615.8	5,582.8	16.5	15.4	164.34	362.4	338.4	96.9	70.3	26.58	3.646				
5,700.0	5,666.9	5,701.0	5,668.0	16.7	15.5	165.25	364.1	339.9	103.0	76.1	26.85	3.835				
5,800.0	5,766.6	5,799.6	5,766.6	16.9	15.7	166.10	364.2	340.0	109.0	81.9	27.12	4.018				
5,900.0	5,866.6	5,893.2	5,860.1	17.1	15.9	166.23	363.1	340.0	112.9	85.5	27.42	4.119				
5,933.4	5,900.0	5,920.9	5,887.8	17.1	15.9	-154.25	360.6	340.0	115.8	88.3	27.57	4.201				
6,000.0	5,966.6	5,975.1	5,941.1	17.2	15.9	-156.03	351.6	339.8	126.1	98.2	27.91	4.519				
6,035.5	6,002.1	6,000.0	5,965.3	17.3	15.9	-157.08	345.5	339.7	134.2	106.1	28.09	4.777				
6,050.0	6,016.6	6,014.2	5,979.0	17.3	15.9	21.38	341.6	339.7	137.8	109.7	28.08	4.907				
6,100.0	6,066.4	6,050.0	6,012.8	17.3	15.9	19.59	330.0	339.5	149.8	121.8	28.00	5.349				
6,150.0	6,115.7	6,090.5	6,050.1	17.3	15.8	18.04	314.1	339.3	160.8	133.1	27.70	5.803				
6,200.0	6,163.9	6,128.0	6,083.4	17.3	15.8	16.87	296.8	339.1	170.8	143.6	27.16	6.288				
6,250.0	6,210.6	6,165.1	6,115.0	17.3	15.7	15.95	277.4	338.8	179.7	153.3	26.39	6.808				
6,300.0	6,255.4	6,200.0	6,143.4	17.2	15.7	15.24	257.2	338.5	187.4	162.0	25.41	7.375				
6,350.0	6,297.8	6,238.6	6,173.1	17.1	15.6	14.65	232.7	338.2	193.9	169.7	24.26	7.994				
6,400.0	6,337.6	6,274.9	6,199.5	17.0	15.5	14.21	207.6	337.9	199.2	176.3	22.95	8.680				
6,450.0	6,374.2	6,311.2	6,223.9	16.8	15.5	13.89	180.8	337.5	203.3	181.8	21.54	9.438				

<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>Local Co-ordinate Reference:</b>	Well State North Platte F-J-26HC
<b>Project:</b>	SEC.26-T5N-R63W	<b>TVD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Reference Site:</b>	State North Platte F-26 Pad Sec.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	State North Platte F-J-26HC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (2-22-13)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design State North Platte F-26 Pad Sec.26-T5N-R63W - State North Platte F-J-26HNB - Wellbore #1 - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6,500.0	6,407.4	6,350.0	6,247.9	16.7	15.4	13.68	13.68	150.3	337.1	206.1	186.0	20.06	10.271	
6,550.0	6,436.9	6,383.4	6,266.7	16.5	15.3	13.58	13.58	122.8	336.7	207.5	188.9	18.59	11.166	
6,600.0	6,462.4	6,419.4	6,285.0	16.4	15.3	13.57	13.57	91.7	336.3	207.7	190.5	17.19	12.084	
6,650.0	6,483.7	6,450.0	6,298.8	16.3	15.2	13.64	13.64	64.4	335.9	206.7	190.7	15.94	12.962	
6,700.0	6,500.5	6,491.5	6,314.9	16.2	15.1	13.84	13.84	26.2	335.4	204.1	189.1	15.01	13.602	
6,750.0	6,512.7	6,527.7	6,326.4	16.1	15.1	14.13	14.13	-8.2	334.9	200.4	186.0	14.44	13.877	
6,800.0	6,520.2	6,564.1	6,335.5	16.0	15.0	14.54	14.54	-43.3	334.5	195.4	181.1	14.34	13.632	
6,853.7	6,523.0	6,600.0	6,342.1	15.9	15.0	15.09	15.09	-78.6	334.0	188.7	174.0	14.73	12.808	
6,900.0	6,523.0	6,637.5	6,346.4	16.0	15.1	15.44	15.44	-115.9	333.5	183.7	168.7	15.03	12.221	
6,953.9	6,523.0	6,678.3	6,348.0	16.3	15.2	15.58	15.58	-156.6	332.9	181.7	166.3	15.37	11.820	
6,954.6	6,523.0	6,678.3	6,348.0	16.3	15.2	15.58	15.58	-156.6	332.9	181.7	166.3	15.37	11.818	
6,955.0	6,523.0	6,678.7	6,348.0	16.3	15.2	15.58	15.58	-157.0	332.9	181.7	166.3	15.37	11.816	
7,000.0	6,523.0	6,723.7	6,348.0	16.5	15.5	15.58	15.58	-202.0	332.3	181.7	166.0	15.71	11.564	
7,100.0	6,523.0	6,823.7	6,348.0	17.4	16.3	15.58	15.58	-302.0	330.9	181.7	165.1	16.57	10.967	
7,200.0	6,523.0	6,923.7	6,348.0	18.4	17.2	15.60	15.60	-402.0	329.5	181.7	164.1	17.56	10.348	
7,300.0	6,523.0	7,023.7	6,348.0	19.5	18.3	15.61	15.61	-502.0	328.2	181.7	163.0	18.66	9.737	
7,400.0	6,523.0	7,123.7	6,348.0	20.7	19.5	15.62	15.62	-602.0	326.8	181.7	161.8	19.86	9.151	
7,500.0	6,523.0	7,223.7	6,348.0	22.0	20.8	15.63	15.63	-702.0	325.4	181.7	160.6	21.13	8.599	
7,600.0	6,523.0	7,323.7	6,348.0	23.4	22.2	15.64	15.64	-802.0	324.0	181.7	159.3	22.47	8.087	
7,700.0	6,523.0	7,423.7	6,348.0	24.9	23.7	15.65	15.65	-902.0	322.6	181.7	157.9	23.86	7.616	
7,800.0	6,523.0	7,523.7	6,348.0	26.4	25.2	15.66	15.66	-1,001.9	321.2	181.7	156.4	25.30	7.183	
7,900.0	6,523.0	7,623.7	6,348.0	27.9	26.7	15.67	15.67	-1,101.9	319.8	181.8	155.0	26.78	6.788	
8,000.0	6,523.0	7,723.7	6,348.0	29.5	28.4	15.68	15.68	-1,201.9	318.5	181.8	153.5	28.29	6.426	
8,100.0	6,523.0	7,823.7	6,348.0	31.2	30.0	15.69	15.69	-1,301.9	317.1	181.8	151.9	29.82	6.095	
8,200.0	6,523.0	7,923.7	6,348.0	32.8	31.7	15.70	15.70	-1,401.9	315.7	181.8	150.4	31.38	5.793	
8,300.0	6,523.0	8,023.7	6,348.0	34.5	33.4	15.71	15.71	-1,501.9	314.3	181.8	148.8	32.96	5.516	
8,400.0	6,523.0	8,123.7	6,348.0	36.3	35.1	15.72	15.72	-1,601.9	312.9	181.8	147.2	34.56	5.261	
8,500.0	6,523.0	8,223.7	6,348.0	38.0	36.9	15.73	15.73	-1,701.9	311.5	181.8	145.6	36.17	5.027	
8,600.0	6,523.0	8,323.7	6,348.0	39.7	38.6	15.74	15.74	-1,801.9	310.1	181.8	144.0	37.79	4.811	
8,700.0	6,523.0	8,423.7	6,348.0	41.5	40.4	15.75	15.75	-1,901.9	308.8	181.8	142.4	39.43	4.611	
8,800.0	6,523.0	8,523.7	6,348.0	43.3	42.2	15.76	15.76	-2,001.8	307.4	181.8	140.8	41.08	4.426	
8,900.0	6,523.0	8,623.7	6,348.0	45.1	44.0	15.77	15.77	-2,101.8	306.0	181.8	139.1	42.74	4.255	
9,000.0	6,523.0	8,723.7	6,348.0	46.9	45.8	15.78	15.78	-2,201.8	304.6	181.9	137.5	44.40	4.096	
9,100.0	6,523.0	8,823.7	6,348.0	48.7	47.6	15.79	15.79	-2,301.8	303.2	181.9	135.8	46.08	3.947	
9,200.0	6,523.0	8,923.7	6,348.0	50.5	49.4	15.80	15.80	-2,401.8	301.8	181.9	134.1	47.76	3.808	
9,300.0	6,523.0	9,023.7	6,348.0	52.3	51.3	15.81	15.81	-2,501.8	300.4	181.9	132.4	49.44	3.679	
9,400.0	6,523.0	9,123.7	6,348.0	54.1	53.1	15.82	15.82	-2,601.8	299.1	181.9	130.8	51.14	3.557	
9,500.0	6,523.0	9,223.7	6,348.0	56.0	54.9	15.83	15.83	-2,701.8	297.7	181.9	129.1	52.83	3.443	
9,600.0	6,523.0	9,323.7	6,348.0	57.8	56.8	15.84	15.84	-2,801.8	296.3	181.9	127.4	54.54	3.336	
9,700.0	6,523.0	9,423.7	6,348.0	59.7	58.6	15.85	15.85	-2,901.8	294.9	181.9	125.7	56.24	3.235	
9,800.0	6,523.0	9,523.7	6,348.0	61.5	60.5	15.86	15.86	-3,001.7	293.5	181.9	124.0	57.95	3.139	
9,900.0	6,523.0	9,623.7	6,348.0	63.4	62.3	15.87	15.87	-3,101.7	292.1	181.9	122.3	59.67	3.049	
10,000.0	6,523.0	9,723.7	6,348.0	65.2	64.2	15.88	15.88	-3,201.7	290.7	181.9	120.6	61.39	2.964	
10,100.0	6,523.0	9,823.7	6,348.0	67.1	66.1	15.89	15.89	-3,301.7	289.4	182.0	118.8	63.11	2.883	
10,200.0	6,523.0	9,923.7	6,348.0	68.9	67.9	15.90	15.90	-3,401.7	288.0	182.0	117.1	64.83	2.807	
10,300.0	6,523.0	10,023.7	6,348.0	70.8	69.8	15.91	15.91	-3,501.7	286.6	182.0	115.4	66.56	2.734	
10,400.0	6,523.0	10,123.7	6,348.0	72.7	71.7	15.92	15.92	-3,601.7	285.2	182.0	113.7	68.29	2.665	
10,500.0	6,523.0	10,223.7	6,348.0	74.5	73.6	15.93	15.93	-3,701.7	283.8	182.0	112.0	70.02	2.599	
10,600.0	6,523.0	10,323.7	6,348.0	76.4	75.4	15.94	15.94	-3,801.7	282.4	182.0	110.2	71.76	2.536	
10,700.0	6,523.0	10,423.7	6,348.0	78.3	77.3	15.95	15.95	-3,901.7	281.0	182.0	108.5	73.50	2.476	
10,800.0	6,523.0	10,523.7	6,348.0	80.2	79.2	15.96	15.96	-4,001.7	279.6	182.0	106.8	75.24	2.419	

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

<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>Local Co-ordinate Reference:</b>	Well State North Platte F-J-26HC
<b>Project:</b>	SEC.26-T5N-R63W	<b>TVD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Reference Site:</b>	State North Platte F-26 Pad Sec.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	State North Platte F-J-26HC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (2-22-13)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> State North Platte F-26 Pad Sec.26-T5N-R63W - State North Platte F-J-26HNB - Wellbore #1 - Plan #1													<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD													<b>Offset Well Error:</b>	0.0 ft
Reference	Offset	Semi Major Axis		Distance										
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
10,900.0	6,523.0	10,623.7	6,348.0	82.0	81.1	15.97	-4,101.6	278.3	182.0	105.1	76.98	2.365		
11,000.0	6,523.0	10,723.7	6,348.0	83.9	82.9	15.99	-4,201.6	276.9	182.0	103.4	78.64	2.315		
11,071.0	6,523.0	10,794.7	6,348.0	85.3	84.0	15.99	-4,272.7	275.9	182.0	102.4	79.64	2.286 SF		

<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>Local Co-ordinate Reference:</b>	Well State North Platte F-J-26HC
<b>Project:</b>	SEC.26-T5N-R63W	<b>TVD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Reference Site:</b>	State North Platte F-26 Pad Sec.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	State North Platte F-J-26HC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (2-22-13)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 4578.0ft (RKB - 13')  
Offset Depths are relative to Offset Datum  
Central Meridian is -105.500000 °

Coordinates are relative to: State North Platte F-J-26HC  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.70°



<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>Local Co-ordinate Reference:</b>	Well State North Platte F-J-26HC
<b>Project:</b>	SEC.26-T5N-R63W	<b>TVD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Reference Site:</b>	State North Platte F-26 Pad Sec.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4578.0ft (RKB - 13')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	State North Platte F-J-26HC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (2-22-13)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 4578.0ft (RKB - 13')  
Offset Depths are relative to Offset Datum  
Central Meridian is -105.500000 °

Coordinates are relative to: State North Platte F-J-26HC  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.70°

