

BONANZA CREEK ENERGY OPERATING

Well Name: **State North Platte P-T-26HNC**

Surface Location: State North Platte 41-26 Pad Sec.26-T5N-R63W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

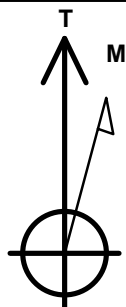
Ground Elevation: 4562.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1381409.98	3307466.11	40.375120	-104.396410	

RKB - 15' WELL @ 4577.0ft (RKB - 15')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 838'FNL, 763'FEL	1.0	0.0	0.0	Point
BHL 470'FSL, 1450'FEL	6463.0	-3883.5	-748.7	Point
T1 531'FNL, 1450'FEL	6463.0	309.7	-683.3	Point



Azimuths to True North
Magnetic North: 8.37°

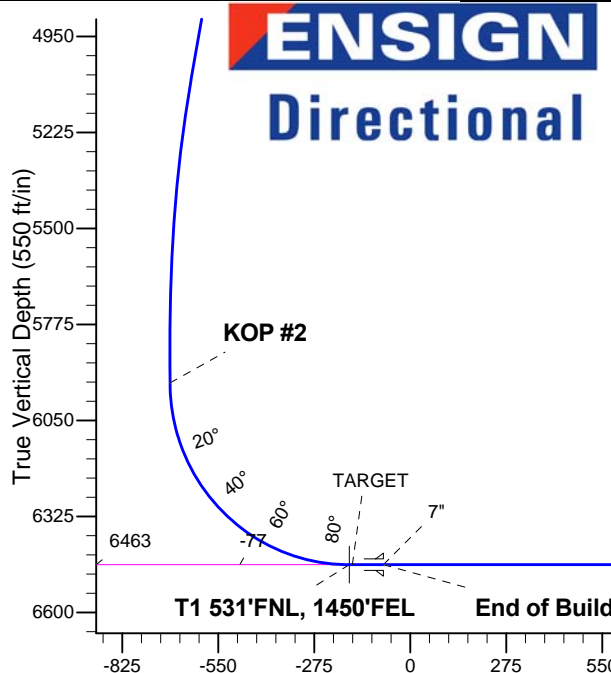
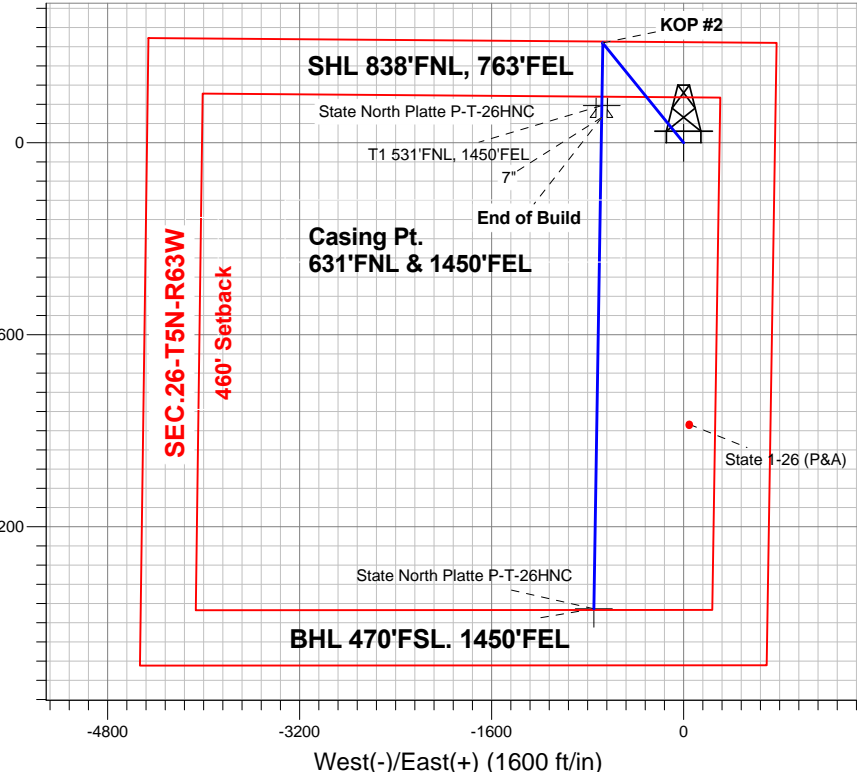
Magnetic Field
Strength: 52926.5snT
Dip Angle: 67.01°
Date: 8/29/2013
Model: IGRF2010

State North Platte 41-26 Pad Sec.26-T5N-R63W
State North Platte P-T-26HNC
Plan #2 (8-29-13)
11:16, August 30 2013

ANNOTATIONS

TVD	MD	Annotation
1000.0	1000.0	KOP #1
5942.1	6072.4	KOP #2
6463.0	6990.6	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	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1738.2	14.76	320.97	1730.1	73.5	-59.6	2.00	320.97	-60.9	
4	5192.1	14.76	320.97	5069.9	757.2	-613.8	0.00	0.00	-627.3	
5	5930.3	0.00	0.00	5800.0	830.7	-673.4	2.00	180.00	-688.2	
6	6072.4	0.00	0.00	5942.1	830.7	-673.4	0.00	0.00	-688.2	
7	6890.6	90.00	180.92	6463.0	309.9	-681.7	11.00	180.92	-175.2	
8	6990.6	90.00	180.92	6463.0	209.9	-683.3	0.00	0.00	-76.8	
9	6990.6	90.00	180.92	6463.0	209.9	-683.3	11.00	180.00	-76.8	
10	11084.6	90.00	180.92	6463.0	-3883.5	-748.7	0.00	0.00	3955.0	BHL 470'FSL, 1450'FEL

Vertical Section at 190.91° (550 ft/in)



BONANZA CREEK ENERGY OPERATING

SEC.26-T5N-R63W

State North Platte 41-26 Pad Sec.26-T5N-R63W

State North Platte P-T-26HNC

Wellbore #1

Plan: Plan #2 (8-29-13)

Standard Planning Report

30 August, 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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,738.2	14.76	320.97	1,730.1	73.5	-59.6	2.00	2.00	0.00	320.97	
5,192.1	14.76	320.97	5,069.9	757.2	-613.8	0.00	0.00	0.00	0.00	
5,930.3	0.00	0.00	5,800.0	830.7	-673.4	2.00	-2.00	0.00	180.00	
6,072.4	0.00	0.00	5,942.1	830.7	-673.4	0.00	0.00	0.00	0.00	
6,890.6	90.00	180.92	6,463.0	309.9	-681.7	11.00	11.00	0.00	180.92	
6,990.6	90.00	180.92	6,463.0	209.9	-683.3	0.00	0.00	0.00	0.00	
6,990.6	90.00	180.92	6,463.0	209.9	-683.3	11.00	11.00	0.00	180.00	
11,084.6	90.00	180.92	6,463.0	-3,883.5	-748.7	0.00	0.00	0.00	0.00	BHL 470'FSL. 1450

Database:	Landmark	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Company:	BONANZA CREEK ENERGY OPERATING	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Project:	SEC.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	North Reference:	True
Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-29-13)		

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
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP #1									
1,100.0	2.00	320.97	1,100.0	1.4	-1.1	-1.1	2.00	2.00	0.00
1,200.0	4.00	320.97	1,199.8	5.4	-4.4	-4.5	2.00	2.00	0.00
1,300.0	6.00	320.97	1,299.5	12.2	-9.9	-10.1	2.00	2.00	0.00
1,400.0	8.00	320.97	1,398.7	21.7	-17.6	-17.9	2.00	2.00	0.00
1,500.0	10.00	320.97	1,497.5	33.8	-27.4	-28.0	2.00	2.00	0.00
1,600.0	12.00	320.97	1,595.6	48.6	-39.4	-40.3	2.00	2.00	0.00
1,700.0	14.00	320.97	1,693.1	66.1	-53.6	-54.8	2.00	2.00	0.00
1,738.2	14.76	320.97	1,730.1	73.5	-59.6	-60.9	2.00	2.00	0.00
1,800.0	14.76	320.97	1,789.8	85.7	-69.5	-71.0	0.00	0.00	0.00
1,900.0	14.76	320.97	1,886.5	105.5	-85.5	-87.4	0.00	0.00	0.00
2,000.0	14.76	320.97	1,983.2	125.3	-101.6	-103.8	0.00	0.00	0.00
2,100.0	14.76	320.97	2,079.9	145.1	-117.6	-120.2	0.00	0.00	0.00
2,200.0	14.76	320.97	2,176.6	164.9	-133.7	-136.6	0.00	0.00	0.00
2,300.0	14.76	320.97	2,273.3	184.7	-149.7	-153.0	0.00	0.00	0.00
2,400.0	14.76	320.97	2,370.0	204.5	-165.8	-169.4	0.00	0.00	0.00
2,500.0	14.76	320.97	2,466.7	224.3	-181.8	-185.8	0.00	0.00	0.00
2,600.0	14.76	320.97	2,563.4	244.1	-197.9	-202.2	0.00	0.00	0.00
2,700.0	14.76	320.97	2,660.1	263.9	-213.9	-218.6	0.00	0.00	0.00
2,800.0	14.76	320.97	2,756.8	283.7	-230.0	-235.0	0.00	0.00	0.00
2,900.0	14.76	320.97	2,853.5	303.5	-246.0	-251.4	0.00	0.00	0.00
3,000.0	14.76	320.97	2,950.2	323.3	-262.1	-267.8	0.00	0.00	0.00
3,100.0	14.76	320.97	3,046.9	343.1	-278.1	-284.2	0.00	0.00	0.00
3,200.0	14.76	320.97	3,143.6	362.9	-294.1	-300.6	0.00	0.00	0.00
3,300.0	14.76	320.97	3,240.3	382.7	-310.2	-317.0	0.00	0.00	0.00
3,400.0	14.76	320.97	3,337.0	402.5	-326.2	-333.4	0.00	0.00	0.00
3,500.0	14.76	320.97	3,433.7	422.2	-342.3	-349.8	0.00	0.00	0.00
3,600.0	14.76	320.97	3,530.4	442.0	-358.3	-366.2	0.00	0.00	0.00
3,700.0	14.76	320.97	3,627.1	461.8	-374.4	-382.6	0.00	0.00	0.00
3,800.0	14.76	320.97	3,723.8	481.6	-390.4	-399.0	0.00	0.00	0.00
3,900.0	14.76	320.97	3,820.5	501.4	-406.5	-415.4	0.00	0.00	0.00
4,000.0	14.76	320.97	3,917.2	521.2	-422.5	-431.8	0.00	0.00	0.00
4,100.0	14.76	320.97	4,013.9	541.0	-438.6	-448.2	0.00	0.00	0.00
4,200.0	14.76	320.97	4,110.6	560.8	-454.6	-464.6	0.00	0.00	0.00
4,300.0	14.76	320.97	4,207.3	580.6	-470.7	-481.0	0.00	0.00	0.00
4,400.0	14.76	320.97	4,304.0	600.4	-486.7	-497.4	0.00	0.00	0.00
4,500.0	14.76	320.97	4,400.7	620.2	-502.8	-513.8	0.00	0.00	0.00
4,600.0	14.76	320.97	4,497.4	640.0	-518.8	-530.2	0.00	0.00	0.00
4,700.0	14.76	320.97	4,594.1	659.8	-534.9	-546.6	0.00	0.00	0.00
4,800.0	14.76	320.97	4,690.8	679.6	-550.9	-563.0	0.00	0.00	0.00
4,900.0	14.76	320.97	4,787.5	699.4	-567.0	-579.4	0.00	0.00	0.00
5,000.0	14.76	320.97	4,884.2	719.2	-583.0	-595.8	0.00	0.00	0.00

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Project:	SEC.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
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Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-29-13)		

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	14.76	320.97	4,980.9	739.0	-599.1	-612.2	0.00	0.00	0.00
5,192.1	14.76	320.97	5,069.9	757.2	-613.8	-627.3	0.00	0.00	0.00
5,200.0	14.61	320.97	5,077.6	758.8	-615.1	-628.6	2.00	-2.00	0.00
5,300.0	12.61	320.97	5,174.8	777.1	-629.9	-643.8	2.00	-2.00	0.00
5,400.0	10.61	320.97	5,272.7	792.7	-642.6	-656.7	2.00	-2.00	0.00
5,500.0	8.61	320.97	5,371.3	805.6	-653.1	-667.4	2.00	-2.00	0.00
5,600.0	6.61	320.97	5,470.4	815.9	-661.4	-676.0	2.00	-2.00	0.00
5,700.0	4.61	320.97	5,569.9	823.5	-667.6	-682.2	2.00	-2.00	0.00
5,800.0	2.61	320.97	5,669.7	828.4	-671.5	-686.3	2.00	-2.00	0.00
5,900.0	0.61	320.97	5,769.7	830.6	-673.3	-688.1	2.00	-2.00	0.00
5,930.3	0.00	0.00	5,800.0	830.7	-673.4	-688.2	2.00	-2.00	0.00
6,000.0	0.00	0.00	5,869.7	830.7	-673.4	-688.2	0.00	0.00	0.00
6,072.4	0.00	0.00	5,942.1	830.7	-673.4	-688.2	0.00	0.00	0.00
KOP #2									
6,100.0	3.03	180.92	5,969.7	830.0	-673.4	-687.5	10.98	10.98	0.00
6,200.0	14.03	180.92	6,068.4	815.2	-673.6	-672.9	11.00	11.00	0.00
6,300.0	25.03	180.92	6,162.5	781.8	-674.2	-640.0	11.00	11.00	0.00
6,400.0	36.03	180.92	6,248.5	731.1	-675.0	-590.1	11.00	11.00	0.00
6,500.0	47.03	180.92	6,323.3	664.9	-676.0	-524.9	11.00	11.00	0.00
6,600.0	58.03	180.92	6,384.0	585.6	-677.3	-446.8	11.00	11.00	0.00
6,700.0	69.03	180.92	6,428.5	496.3	-678.7	-358.8	11.00	11.00	0.00
6,800.0	80.03	180.92	6,455.1	400.1	-680.3	-264.0	11.00	11.00	0.00
6,890.6	90.00	180.92	6,463.0	309.9	-681.7	-175.2	11.00	11.00	0.00
TARGET									
6,900.0	90.00	180.92	6,463.0	300.5	-681.9	-166.0	0.00	0.00	0.00
6,990.6	90.00	180.92	6,463.0	209.9	-683.3	-76.8	0.00	0.00	0.00
End of Build - 7"									
7,000.0	90.00	180.92	6,463.0	200.5	-683.5	-67.5	0.00	0.00	0.00
7,100.0	90.00	180.92	6,463.0	100.6	-685.1	30.9	0.00	0.00	0.00
7,200.0	90.00	180.92	6,463.0	0.6	-686.7	129.4	0.00	0.00	0.00
7,300.0	90.00	180.92	6,463.0	-99.4	-688.3	227.9	0.00	0.00	0.00
7,400.0	90.00	180.92	6,463.0	-199.4	-689.9	326.4	0.00	0.00	0.00
7,500.0	90.00	180.92	6,463.0	-299.4	-691.5	424.9	0.00	0.00	0.00
7,600.0	90.00	180.92	6,463.0	-399.4	-693.0	523.4	0.00	0.00	0.00
7,700.0	90.00	180.92	6,463.0	-499.4	-694.6	621.8	0.00	0.00	0.00
7,800.0	90.00	180.92	6,463.0	-599.4	-696.2	720.3	0.00	0.00	0.00
7,900.0	90.00	180.92	6,463.0	-699.3	-697.8	818.8	0.00	0.00	0.00
8,000.0	90.00	180.92	6,463.0	-799.3	-699.4	917.3	0.00	0.00	0.00
8,100.0	90.00	180.92	6,463.0	-899.3	-701.0	1,015.8	0.00	0.00	0.00
8,200.0	90.00	180.92	6,463.0	-999.3	-702.6	1,114.2	0.00	0.00	0.00
8,300.0	90.00	180.92	6,463.0	-1,099.3	-704.2	1,212.7	0.00	0.00	0.00
8,400.0	90.00	180.92	6,463.0	-1,199.3	-705.8	1,311.2	0.00	0.00	0.00
8,500.0	90.00	180.92	6,463.0	-1,299.3	-707.4	1,409.7	0.00	0.00	0.00
8,600.0	90.00	180.92	6,463.0	-1,399.3	-709.0	1,508.2	0.00	0.00	0.00
8,700.0	90.00	180.92	6,463.0	-1,499.2	-710.6	1,606.7	0.00	0.00	0.00
8,800.0	90.00	180.92	6,463.0	-1,599.2	-712.2	1,705.1	0.00	0.00	0.00
8,900.0	90.00	180.92	6,463.0	-1,699.2	-713.8	1,803.6	0.00	0.00	0.00
9,000.0	90.00	180.92	6,463.0	-1,799.2	-715.4	1,902.1	0.00	0.00	0.00
9,100.0	90.00	180.92	6,463.0	-1,899.2	-717.0	2,000.6	0.00	0.00	0.00
9,200.0	90.00	180.92	6,463.0	-1,999.2	-718.6	2,099.1	0.00	0.00	0.00
9,300.0	90.00	180.92	6,463.0	-2,099.2	-720.2	2,197.5	0.00	0.00	0.00
9,400.0	90.00	180.92	6,463.0	-2,199.2	-721.8	2,296.0	0.00	0.00	0.00
9,500.0	90.00	180.92	6,463.0	-2,299.1	-723.4	2,394.5	0.00	0.00	0.00

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)	
9,600.0	90.00	180.92	6,463.0	-2,399.1	-725.0	2,493.0	0.00	0.00	0.00	
9,700.0	90.00	180.92	6,463.0	-2,499.1	-726.6	2,591.5	0.00	0.00	0.00	
9,800.0	90.00	180.92	6,463.0	-2,599.1	-728.2	2,690.0	0.00	0.00	0.00	
9,900.0	90.00	180.92	6,463.0	-2,699.1	-729.8	2,788.4	0.00	0.00	0.00	
10,000.0	90.00	180.92	6,463.0	-2,799.1	-731.4	2,886.9	0.00	0.00	0.00	
10,100.0	90.00	180.92	6,463.0	-2,899.1	-733.0	2,985.4	0.00	0.00	0.00	
10,200.0	90.00	180.92	6,463.0	-2,999.1	-734.6	3,083.9	0.00	0.00	0.00	
10,300.0	90.00	180.92	6,463.0	-3,099.0	-736.2	3,182.4	0.00	0.00	0.00	
10,400.0	90.00	180.92	6,463.0	-3,199.0	-737.8	3,280.8	0.00	0.00	0.00	
10,500.0	90.00	180.92	6,463.0	-3,299.0	-739.4	3,379.3	0.00	0.00	0.00	
10,600.0	90.00	180.92	6,463.0	-3,399.0	-741.0	3,477.8	0.00	0.00	0.00	
10,700.0	90.00	180.92	6,463.0	-3,499.0	-742.6	3,576.3	0.00	0.00	0.00	
10,800.0	90.00	180.92	6,463.0	-3,599.0	-744.2	3,674.8	0.00	0.00	0.00	
10,900.0	90.00	180.92	6,463.0	-3,699.0	-745.8	3,773.3	0.00	0.00	0.00	
11,000.0	90.00	180.92	6,463.0	-3,798.9	-747.3	3,871.7	0.00	0.00	0.00	
11,084.6	90.00	180.92	6,463.0	-3,883.5	-748.7	3,955.0	0.00	0.00	0.00	

Formations						
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	6,890.6	6,463.0	TARGET		0.00	

Plan Annotations					
	Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
			+N/-S	+E/-W	
			(ft)	(ft)	
	1,000.0	1,000.0	0.0	0.0	KOP #1
	6,072.4	5,942.1	830.7	-673.4	KOP #2
	6,990.6	6,463.0	209.9	-683.3	End of Build



BONANZA CREEK ENERGY OPERATING

SEC.26-T5N-R63W

State North Platte 41-26 Pad Sec.26-T5N-R63W

State North Platte P-T-26HNC

Wellbore #1

Plan #2 (8-29-13)

Anticollision Report

30 August, 2013

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State 1-26 (P&A) - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 7000-UNKNOWN													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance				Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,700.0	6,463.0	6,442.0	6,442.0	55.4	128.8	-90.00	-2,346.2	47.4	788.9	605.4	183.52	4.299		
9,800.0	6,463.0	6,442.0	6,442.0	57.2	128.8	-90.00	-2,346.2	47.4	815.8	630.4	185.34	4.401		
9,900.0	6,463.0	6,442.0	6,442.0	59.0	128.8	-90.00	-2,346.2	47.4	853.5	666.4	187.17	4.560		
10,000.0	6,463.0	6,442.0	6,442.0	60.8	128.8	-90.00	-2,346.2	47.4	900.9	711.9	189.00	4.767		
10,100.0	6,463.0	6,442.0	6,442.0	62.6	128.8	-90.00	-2,346.2	47.4	956.4	765.5	190.83	5.012		

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte 31-34-26HNC - Wellbore #1 - Plan													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 (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	
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-40.1	0.0	40.1					
100.0	100.0	99.0	99.0	0.1	0.1	-180.00	-40.1	0.0	40.1	39.8	0.22	179.151		
200.0	200.0	199.0	199.0	0.3	0.3	-180.00	-40.1	0.0	40.1	39.4	0.67	59.618 CC		
228.4	228.4	227.4	227.4	0.4	0.4	-179.81	-40.1	-0.1	40.1	39.3	0.80	50.268		
300.0	300.0	299.0	298.9	0.6	0.6	-177.56	-40.1	-1.7	40.1	39.0	1.11	36.065 ES		
400.0	400.0	398.7	398.5	0.8	0.8	-170.25	-40.1	-6.9	40.7	39.1	1.56	26.082		
500.0	500.0	498.5	497.9	1.0	1.0	-158.82	-39.8	-15.4	42.7	40.7	2.02	21.115		
600.0	600.0	598.2	597.1	1.2	1.3	-144.62	-37.4	-26.5	45.9	43.4	2.48	18.489		
700.0	700.0	697.2	695.0	1.5	1.6	-129.18	-32.6	-40.0	51.8	48.8	2.95	17.570		
800.0	800.0	795.2	791.4	1.7	2.0	-114.62	-25.5	-55.7	61.7	58.3	3.42	18.055		
900.0	900.0	891.9	886.1	1.9	2.4	-102.46	-16.2	-73.4	76.3	72.4	3.91	19.512		
1,000.0	1,000.0	987.3	978.6	2.1	2.8	-92.99	-4.9	-93.2	95.5	91.0	4.43	21.528		
1,100.0	1,100.0	1,081.4	1,069.3	2.4	3.3	-47.01	8.5	-114.7	117.7	112.8	4.92	23.928		
1,200.0	1,199.8	1,174.9	1,158.4	2.6	3.8	-42.39	23.9	-138.2	141.0	135.6	5.40	26.120		
1,300.0	1,299.5	1,269.3	1,247.6	2.8	4.4	-39.19	41.3	-163.9	164.7	158.8	5.90	27.925		
1,400.0	1,398.7	1,366.8	1,339.5	3.1	5.1	-37.26	59.7	-190.7	186.6	180.2	6.42	29.079		
1,500.0	1,497.5	1,464.9	1,432.0	3.3	5.7	-36.30	78.2	-217.7	205.8	198.8	6.97	29.541		
1,600.0	1,595.6	1,563.5	1,524.9	3.6	6.4	-36.03	96.8	-244.9	222.3	214.7	7.55	29.441		
1,700.0	1,693.1	1,662.5	1,618.3	4.0	7.1	-36.32	115.5	-272.2	235.9	227.7	8.18	28.855		
1,738.2	1,730.1	1,700.4	1,654.0	4.2	7.3	-36.55	122.7	-282.6	240.4	232.0	8.43	28.521		
1,800.0	1,789.8	1,761.8	1,711.9	4.4	7.8	-37.05	134.3	-299.5	247.4	238.5	8.86	27.905		
1,900.0	1,886.5	1,861.1	1,805.5	4.8	8.5	-37.81	153.0	-326.9	258.6	249.1	9.59	26.969		
2,000.0	1,983.2	1,960.4	1,899.1	5.3	9.1	-38.50	171.8	-354.2	270.0	259.6	10.34	26.107		
2,100.0	2,079.9	2,059.7	1,992.7	5.8	9.8	-39.14	190.5	-381.5	281.3	270.2	11.11	25.316		
2,200.0	2,176.6	2,159.0	2,086.3	6.2	10.5	-39.73	209.3	-408.9	292.7	280.8	11.90	24.593		
2,300.0	2,273.3	2,258.3	2,179.9	6.7	11.2	-40.27	228.0	-436.2	304.2	291.4	12.71	23.933		
2,400.0	2,370.0	2,357.7	2,273.5	7.2	11.9	-40.77	246.7	-463.6	315.6	302.1	13.53	23.330		
2,500.0	2,466.7	2,457.0	2,367.1	7.7	12.6	-41.24	265.5	-490.9	327.1	312.7	14.36	22.778		
2,600.0	2,563.4	2,556.3	2,460.7	8.2	13.3	-41.68	284.2	-518.3	338.6	323.4	15.20	22.272		
2,700.0	2,660.1	2,655.6	2,554.4	8.7	14.0	-42.09	303.0	-545.6	350.1	334.0	16.05	21.809		
2,800.0	2,756.8	2,754.9	2,648.0	9.2	14.7	-42.47	321.7	-573.0	361.6	344.7	16.91	21.382		
2,900.0	2,853.5	2,854.2	2,741.6	9.8	15.4	-42.83	340.5	-600.3	373.1	355.3	17.78	20.989		
3,000.0	2,950.2	2,953.5	2,835.2	10.3	16.1	-43.16	359.2	-627.7	384.7	366.0	18.65	20.626		
3,100.0	3,046.9	3,052.8	2,928.8	10.8	16.8	-43.48	378.0	-655.0	396.2	376.7	19.53	20.290		
3,200.0	3,143.6	3,152.1	3,022.4	11.3	17.5	-43.78	396.7	-682.4	407.8	387.4	20.41	19.979		
3,300.0	3,240.3	3,251.4	3,116.0	11.8	18.2	-44.06	415.5	-709.7	419.4	398.1	21.30	19.689		
3,400.0	3,337.0	3,350.7	3,209.6	12.4	18.8	-44.33	434.2	-737.1	431.0	408.8	22.19	19.420		
3,500.0	3,433.7	3,450.0	3,303.2	12.9	19.5	-44.58	453.0	-764.4	442.6	419.5	23.09	19.168		
3,600.0	3,530.4	3,549.3	3,396.8	13.4	20.2	-44.82	471.7	-791.8	454.2	430.2	23.99	18.933		
3,700.0	3,627.1	3,648.6	3,490.4	13.9	20.9	-45.05	490.4	-819.1	465.8	440.9	24.89	18.713		
3,800.0	3,723.8	3,747.9	3,584.0	14.5	21.6	-45.27	509.2	-846.5	477.5	451.7	25.80	18.506		
3,900.0	3,820.5	3,847.2	3,677.6	15.0	22.3	-45.48	527.9	-873.8	489.1	462.4	26.71	18.312		
4,000.0	3,917.2	3,946.5	3,771.3	15.5	23.0	-45.67	546.7	-901.2	500.7	473.1	27.62	18.129		
4,100.0	4,013.9	4,045.9	3,864.9	16.0	23.7	-45.86	565.4	-928.5	512.4	483.8	28.53	17.957		
4,200.0	4,110.6	4,145.2	3,958.5	16.6	24.4	-46.04	584.2	-955.9	524.0	494.6	29.45	17.794		
4,300.0	4,207.3	4,244.5	4,052.1	17.1	25.1	-46.21	602.9	-983.2	535.7	505.3	30.37	17.640		
4,400.0	4,304.0	4,343.8	4,145.7	17.6	25.8	-46.38	621.7	-1,010.5	547.3	516.1	31.29	17.494		
4,500.0	4,400.7	4,443.1	4,239.3	18.2	26.5	-46.54	640.4	-1,037.9	559.0	526.8	32.21	17.356		
4,600.0	4,497.4	4,542.4	4,332.9	18.7	27.2	-46.69	659.2	-1,065.2	570.7	537.5	33.13	17.224		
4,700.0	4,594.1	4,641.7	4,426.5	19.2	27.9	-46.84	677.9	-1,092.6	582.3	548.3	34.06	17.100		
4,800.0	4,690.8	4,741.0	4,520.1	19.8	28.6	-46.97	696.7	-1,119.9	594.0	559.0	34.98	16.981		

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

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte 31-34-26HNC - Wellbore #1 - Plan													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	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.0	4,787.5	4,840.3	4,613.7	20.3	29.3	-47.11	715.4	-1,147.3	605.7	569.8	35.91	16.868		
5,000.0	4,884.2	4,939.6	4,707.3	20.8	30.0	-47.24	734.1	-1,174.6	617.4	580.5	36.84	16.760		
5,100.0	4,980.9	5,052.9	4,814.4	21.4	30.7	-47.43	755.0	-1,205.1	628.4	590.6	37.80	16.623		
5,192.1	5,069.9	5,165.9	4,922.5	21.9	31.2	-47.81	773.5	-1,232.1	635.6	596.8	38.75	16.401		
5,200.0	5,077.6	5,175.6	4,931.9	21.9	31.3	-47.86	775.0	-1,234.3	636.1	597.2	38.83	16.379		
5,300.0	5,174.8	5,298.5	5,051.0	22.3	31.8	-48.44	792.2	-1,259.4	641.5	601.7	39.75	16.138		
5,400.0	5,272.7	5,421.7	5,171.5	22.6	32.2	-48.95	806.5	-1,280.2	645.6	605.1	40.56	15.917		
5,500.0	5,371.3	5,544.9	5,293.1	22.9	32.6	-49.41	817.9	-1,296.8	648.5	607.2	41.27	15.714		
5,600.0	5,470.4	5,668.2	5,415.5	23.2	32.9	-49.82	826.3	-1,309.1	650.0	608.2	41.87	15.524		
5,700.0	5,569.9	5,791.5	5,538.4	23.4	33.1	-50.17	831.8	-1,317.0	650.2	607.9	42.37	15.347		
5,800.0	5,669.7	5,914.7	5,661.5	23.6	33.2	-50.47	834.2	-1,320.6	649.1	606.4	42.76	15.180		
5,900.0	5,769.7	6,021.9	5,768.7	23.7	33.3	-50.64	834.3	-1,320.8	647.5	604.5	43.02	15.052		
5,930.3	5,800.0	6,052.2	5,799.0	23.8	33.4	-89.68	834.3	-1,320.8	647.4	603.9	43.47	14.892		
6,000.0	5,869.7	6,121.9	5,868.7	23.8	33.4	-89.68	834.3	-1,320.8	647.4	603.8	43.64	14.836		
6,072.4	5,942.1	6,194.3	5,941.1	23.9	33.5	-89.68	834.3	-1,320.8	647.4	603.6	43.81	14.777		
6,100.0	5,969.7	6,221.5	5,968.3	23.9	33.5	89.41	833.6	-1,320.8	647.4	604.0	43.45	14.899		
6,150.0	6,019.4	6,270.8	6,017.3	23.9	33.5	89.41	828.7	-1,320.9	647.4	604.0	43.45	14.900		
6,200.0	6,068.4	6,320.1	6,065.7	23.9	33.4	89.42	819.2	-1,321.1	647.4	604.1	43.34	14.937		
6,250.0	6,116.3	6,369.4	6,113.0	23.8	33.4	89.44	805.2	-1,321.3	647.4	604.3	43.14	15.009		
6,300.0	6,162.5	6,418.8	6,158.7	23.7	33.3	89.46	786.7	-1,321.6	647.5	604.6	42.84	15.114		
6,350.0	6,206.7	6,468.2	6,202.5	23.5	33.2	89.49	764.0	-1,322.0	647.5	605.0	42.46	15.250		
6,400.0	6,248.5	6,517.6	6,244.0	23.3	33.0	89.52	737.2	-1,322.5	647.5	605.5	42.01	15.413		
6,450.0	6,287.5	6,567.0	6,282.8	23.1	32.9	89.55	706.6	-1,323.0	647.5	606.0	41.51	15.601		
6,500.0	6,323.3	6,616.5	6,318.6	22.9	32.7	89.59	672.4	-1,323.6	647.6	606.6	40.97	15.808		
6,550.0	6,355.5	6,666.1	6,351.0	22.6	32.5	89.64	635.0	-1,324.2	647.6	607.2	40.40	16.029		
6,600.0	6,384.0	6,715.6	6,379.7	22.4	32.3	89.68	594.6	-1,324.9	647.6	607.8	39.84	16.258		
6,650.0	6,408.4	6,765.3	6,404.4	22.1	32.1	89.73	551.5	-1,325.6	647.7	608.4	39.28	16.488		
6,700.0	6,428.5	6,815.0	6,425.0	21.8	31.8	89.78	506.3	-1,326.4	647.7	609.0	38.76	16.712		
6,750.0	6,444.1	6,864.8	6,441.2	21.6	31.6	89.84	459.3	-1,327.2	647.8	609.5	38.28	16.922		
6,800.0	6,455.1	6,914.6	6,452.8	21.3	31.4	89.89	410.9	-1,328.0	647.8	610.0	37.86	17.110		
6,850.0	6,461.4	6,964.5	6,459.8	21.0	31.2	89.95	361.5	-1,328.9	647.9	610.4	37.52	17.270		
6,890.6	6,463.0	7,005.1	6,461.9	20.8	31.0	90.00	320.9	-1,329.6	647.9	610.6	37.29	17.377		
6,900.0	6,463.0	7,014.5	6,462.0	20.8	31.0	90.00	311.6	-1,329.7	647.9	610.7	37.25	17.396		
6,990.6	6,463.0	7,105.1	6,462.0	20.4	30.7	90.00	221.0	-1,331.3	648.0	611.0	37.01	17.511		
6,990.6	6,463.0	7,105.1	6,462.0	20.4	30.7	90.00	221.0	-1,331.3	648.0	611.0	37.01	17.511		
6,990.6	6,463.0	7,105.1	6,462.0	20.4	30.7	90.00	221.0	-1,331.3	648.0	611.0	37.01	17.511		
7,000.0	6,463.0	7,114.5	6,462.0	20.3	30.6	90.00	211.6	-1,331.4	648.1	611.1	37.00	17.513		
7,100.0	6,463.0	7,214.5	6,462.0	20.0	30.3	90.00	111.6	-1,333.1	648.2	611.0	37.17	17.439		
7,200.0	6,463.0	7,314.5	6,462.0	19.7	30.1	90.00	11.6	-1,334.8	648.3	610.6	37.71	17.189		
7,300.0	6,463.0	7,414.5	6,462.0	19.4	29.9	90.00	-88.4	-1,336.5	648.4	609.7	38.64	16.782		
7,400.0	6,463.0	7,514.5	6,462.0	19.5	29.8	90.00	-188.3	-1,338.2	648.5	608.6	39.91	16.250		
7,500.0	6,463.0	7,614.5	6,462.0	20.4	29.8	90.00	-288.3	-1,340.0	648.6	607.1	41.49	15.634		
7,600.0	6,463.0	7,714.5	6,462.0	21.5	30.0	90.00	-388.3	-1,341.7	648.7	605.4	43.35	14.964		
7,700.0	6,463.0	7,814.5	6,462.0	22.8	30.2	90.00	-488.3	-1,343.4	648.8	603.4	45.46	14.271		
7,800.0	6,463.0	7,914.5	6,462.0	24.0	30.7	90.00	-588.3	-1,345.1	648.9	601.1	47.79	13.578		
7,900.0	6,463.0	8,014.5	6,462.0	25.4	31.3	90.00	-688.3	-1,346.8	649.0	598.7	50.30	12.903		
8,000.0	6,463.0	8,114.5	6,462.0	26.8	32.1	90.00	-788.3	-1,348.5	649.1	596.2	52.97	12.255		
8,100.0	6,463.0	8,214.5	6,462.0	28.3	33.1	90.00	-888.2	-1,350.2	649.3	593.5	55.77	11.641		
8,200.0	6,463.0	8,314.5	6,462.0	29.8	34.2	90.00	-988.2	-1,351.9	649.4	590.7	58.69	11.064		
8,300.0	6,463.0	8,414.5	6,462.0	31.4	35.4	90.00	-1,088.2	-1,353.6	649.5	587.8	61.71	10.524		
8,400.0	6,463.0	8,514.5	6,462.0	32.9	36.7	90.00	-1,188.2	-1,355.3	649.6	584.8	64.82	10.022		

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

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design		State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte 31-34-26HNC - Wellbore #1 - Plan										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.0	6,463.0	8,614.5	6,462.0	34.6	38.1	90.00	-1,288.2	-1,357.0	649.7	581.7	68.00	9.555		
8,600.0	6,463.0	8,714.5	6,462.0	36.2	39.5	90.00	-1,388.2	-1,358.7	649.8	578.6	71.24	9.121		
8,700.0	6,463.0	8,814.5	6,462.0	37.9	41.0	90.00	-1,488.2	-1,360.4	649.9	575.4	74.54	8.719		
8,800.0	6,463.0	8,914.5	6,462.0	39.5	42.5	90.00	-1,588.1	-1,362.1	650.0	572.1	77.89	8.346		
8,900.0	6,463.0	9,014.5	6,462.0	41.3	44.1	90.00	-1,688.1	-1,363.8	650.1	568.8	81.28	7.999		
9,000.0	6,463.0	9,114.5	6,462.0	43.0	45.7	90.00	-1,788.1	-1,365.5	650.2	565.5	84.71	7.676		
9,100.0	6,463.0	9,214.5	6,462.0	44.7	47.3	90.00	-1,888.1	-1,367.3	650.3	562.2	88.17	7.376		
9,200.0	6,463.0	9,314.5	6,462.0	46.5	48.9	90.00	-1,988.1	-1,369.0	650.5	558.8	91.66	7.097		
9,300.0	6,463.0	9,414.5	6,462.0	48.2	50.6	90.00	-2,088.1	-1,370.7	650.6	555.4	95.17	6.835		
9,400.0	6,463.0	9,514.5	6,462.0	50.0	52.3	90.00	-2,188.1	-1,372.4	650.7	552.0	98.71	6.591		
9,500.0	6,463.0	9,614.5	6,462.0	51.8	54.0	90.00	-2,288.0	-1,374.1	650.8	548.5	102.28	6.363		
9,600.0	6,463.0	9,714.5	6,462.0	53.6	55.7	90.00	-2,388.0	-1,375.8	650.9	545.0	105.86	6.149		
9,700.0	6,463.0	9,814.5	6,462.0	55.4	57.4	90.00	-2,488.0	-1,377.5	651.0	541.5	109.45	5.948		
9,800.0	6,463.0	9,914.5	6,462.0	57.2	59.1	90.00	-2,588.0	-1,379.2	651.1	538.0	113.07	5.759		
9,900.0	6,463.0	10,014.5	6,462.0	59.0	60.9	90.00	-2,688.0	-1,380.9	651.2	534.5	116.69	5.581		
10,000.0	6,463.0	10,114.5	6,462.0	60.8	62.6	90.00	-2,788.0	-1,382.6	651.3	531.0	120.33	5.413		
10,100.0	6,463.0	10,214.5	6,462.0	62.6	64.4	90.00	-2,887.9	-1,384.3	651.4	527.5	123.98	5.254		
10,200.0	6,463.0	10,314.5	6,462.0	64.4	66.1	90.00	-2,987.9	-1,386.0	651.5	523.9	127.64	5.104		
10,300.0	6,463.0	10,414.5	6,462.0	66.3	67.9	90.00	-3,087.9	-1,387.7	651.7	520.3	131.31	4.963		
10,400.0	6,463.0	10,514.5	6,462.0	68.1	69.7	90.00	-3,187.9	-1,389.4	651.8	516.8	134.99	4.828		
10,500.0	6,463.0	10,614.5	6,462.0	69.9	71.5	90.00	-3,287.9	-1,391.1	651.9	513.2	138.68	4.700		
10,600.0	6,463.0	10,714.5	6,462.0	71.8	73.3	90.00	-3,387.9	-1,392.8	652.0	509.6	142.38	4.579		
10,700.0	6,463.0	10,814.5	6,462.0	73.6	75.1	90.00	-3,487.9	-1,394.5	652.1	506.0	146.08	4.464		
10,800.0	6,463.0	10,914.5	6,462.0	75.5	76.9	90.00	-3,587.8	-1,396.3	652.2	502.4	149.79	4.354		
10,900.0	6,463.0	11,014.5	6,462.0	77.3	78.7	90.00	-3,687.8	-1,398.0	652.3	498.8	153.50	4.249		
11,000.0	6,463.0	11,114.5	6,462.0	79.2	80.5	90.00	-3,787.8	-1,399.7	652.4	495.2	157.23	4.150		
11,084.6	6,463.0	11,199.1	6,462.0	80.8	82.1	90.00	-3,872.4	-1,401.1	652.5	492.1	160.38	4.069 SF		

State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte 41-44-26HNC - Wellbore #1 - Plan												Offset Site Error:	0.0 ft	
Survey Program: 0-MWD												Offset Well Error:	0.0 ft	
Reference		Offset		Semi Major Axis			Distance		Between Centres		Between Ellipses	Minimum Separation	Separation Factor	Warning
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)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
0.0	0.0	1.0	1.0	0.0	0.0	0.00	80.2	0.0	80.2	80.2	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	0.00	80.2	0.0	80.2	79.9	0.23	353.109		
166.3	166.3	167.3	167.3	0.3	0.3	0.00	80.2	0.0	80.2	79.6	0.53	152.632 CC		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	80.2	0.0	80.2	79.5	0.67	118.889 ES		
300.0	300.0	298.2	298.2	0.6	0.6	-0.04	81.8	-0.1	81.9	80.8	1.12	73.024		
400.0	400.0	395.2	395.1	0.8	0.8	-0.13	86.8	-0.2	87.0	85.4	1.57	55.286		
500.0	500.0	491.8	491.3	1.0	1.0	-0.27	95.0	-0.5	95.5	93.5	2.03	46.935		
600.0	600.0	587.7	586.5	1.2	1.3	-0.43	106.3	-0.8	107.3	104.8	2.51	42.789		
700.0	700.0	685.5	683.3	1.5	1.6	-0.58	120.4	-1.2	121.7	118.7	3.00	40.576		
800.0	800.0	784.4	781.2	1.7	1.9	-0.71	134.8	-1.7	136.3	132.8	3.49	38.998		
900.0	900.0	883.4	879.1	1.9	2.2	-0.81	149.2	-2.1	150.8	146.8	3.99	37.765		
1,000.0	1,000.0	982.3	976.9	2.1	2.6	-0.89	163.6	-2.5	165.3	160.9	4.50	36.779		
1,100.0	1,100.0	1,081.4	1,075.0	2.4	2.9	38.26	178.0	-3.0	178.5	173.8	4.78	37.315		
1,200.0	1,199.8	1,180.8	1,173.3	2.6	3.2	39.03	192.4	-3.4	189.0	183.8	5.24	36.043		
1,300.0	1,299.5	1,280.4	1,271.9	2.8	3.6	40.39	206.9	-3.9	196.9	191.2	5.71	34.474		
1,400.0	1,398.7	1,380.0	1,370.4	3.1	3.9	42.32	221.4	-4.3	202.3	196.1	6.20	32.657		
1,500.0	1,497.5	1,479.5	1,468.9	3.3	4.3	44.84	235.9	-4.7	205.5	198.8	6.70	30.656		
1,600.0	1,595.6	1,578.8	1,567.1	3.6	4.6	48.01	250.3	-5.2	206.7	199.4	7.25	28.505		
1,700.0	1,693.1	1,677.8	1,665.1	4.0	5.0	51.88	264.7	-5.6	206.4	198.5	7.86	26.246		
1,738.2	1,730.1	1,715.5	1,702.4	4.2	5.1	53.56	270.2	-5.8	206.0	197.8	8.12	25.367		
1,800.0	1,789.8	1,776.5	1,762.7	4.4	5.3	56.36	279.1	-6.0	205.4	196.9	8.56	23.994		
1,832.3	1,821.1	1,808.4	1,794.2	4.5	5.4	57.84	283.7	-6.2	205.4	196.6	8.81	23.320		
1,900.0	1,886.5	1,875.1	1,860.2	4.8	5.6	60.92	293.4	-6.5	205.7	196.3	9.33	22.049		
2,000.0	1,983.2	1,973.7	1,957.8	5.3	6.0	65.43	307.8	-6.9	207.2	197.1	10.15	20.422		
2,100.0	2,079.9	2,072.3	2,055.4	5.8	6.3	69.85	322.1	-7.4	210.1	199.1	11.01	19.082		
2,200.0	2,176.6	2,171.0	2,153.0	6.2	6.7	74.13	336.4	-7.8	214.2	202.3	11.90	17.995		
2,300.0	2,273.3	2,269.6	2,250.5	6.7	7.0	78.24	350.8	-8.2	219.5	206.7	12.82	17.126		
2,400.0	2,370.0	2,368.2	2,348.1	7.2	7.3	82.13	365.1	-8.7	225.9	212.1	13.74	16.442		
2,500.0	2,466.7	2,466.8	2,445.7	7.7	7.7	85.80	379.5	-9.1	233.2	218.6	14.66	15.913		
2,600.0	2,563.4	2,565.4	2,543.2	8.2	8.0	89.24	393.8	-9.5	241.5	226.0	15.57	15.511		
2,700.0	2,660.1	2,664.1	2,640.8	8.7	8.4	92.44	408.2	-10.0	250.6	234.2	16.47	15.214		
2,800.0	2,756.8	2,762.7	2,738.4	9.2	8.7	95.42	422.5	-10.4	260.5	243.1	17.36	15.002		
2,900.0	2,853.5	2,861.3	2,835.9	9.8	9.1	98.17	436.8	-10.8	271.0	252.8	18.24	14.858		
3,000.0	2,950.2	2,959.9	2,933.5	10.3	9.4	100.72	451.2	-11.3	282.1	263.0	19.10	14.770		
3,100.0	3,046.9	3,058.5	3,031.1	10.8	9.7	103.07	465.5	-11.7	293.7	273.7	19.94	14.727		
3,200.0	3,143.6	3,157.2	3,128.7	11.3	10.1	105.24	479.9	-12.1	305.7	285.0	20.77	14.719		
3,300.0	3,240.3	3,255.8	3,226.2	11.8	10.4	107.25	494.2	-12.6	318.2	296.6	21.59	14.739		
3,400.0	3,337.0	3,354.4	3,323.8	12.4	10.8	109.10	508.6	-13.0	331.0	308.6	22.39	14.783		
3,500.0	3,433.7	3,453.0	3,421.4	12.9	11.1	110.82	522.9	-13.5	344.2	321.0	23.19	14.844		
3,600.0	3,530.4	3,551.6	3,518.9	13.4	11.5	112.41	537.2	-13.9	357.6	333.6	23.97	14.919		
3,700.0	3,627.1	3,650.3	3,616.5	13.9	11.8	113.88	551.6	-14.3	371.3	346.5	24.74	15.004		
3,800.0	3,723.8	3,748.9	3,714.1	14.5	12.1	115.26	565.9	-14.8	385.2	359.7	25.51	15.099		
3,900.0	3,820.5	3,847.5	3,811.6	15.0	12.5	116.53	580.3	-15.2	399.3	373.0	26.27	15.199		
4,000.0	3,917.2	3,946.1	3,909.2	15.5	12.8	117.72	594.6	-15.6	413.6	386.5	27.02	15.304		
4,100.0	4,013.9	4,044.7	4,006.8	16.0	13.2	118.83	609.0	-16.1	428.0	400.2	27.77	15.413		
4,200.0	4,110.6	4,143.4	4,104.4	16.6	13.5	119.86	623.3	-16.5	442.6	414.1	28.51	15.523		
4,300.0	4,207.3	4,242.0	4,201.9	17.1	13.9	120.83	637.6	-16.9	457.3	428.1	29.25	15.635		
4,400.0	4,304.0	4,340.6	4,299.5	17.6	14.2	121.74	652.0	-17.4	472.2	442.2	29.99	15.747		
4,500.0	4,400.7	4,439.2	4,397.1	18.2	14.5	122.60	666.3	-17.8	487.2	456.4	30.72	15.860		
4,600.0	4,497.4	4,537.8	4,494.6	18.7	14.9	123.40	680.7	-18.3	502.2	470.8	31.45	15.971		
4,700.0	4,594.1	4,636.4	4,592.2	19.2	15.2	124.16	695.0	-18.7	517.4	485.2	32.17	16.082		

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Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte 41-44-26HNC - Wellbore #1 - Plan													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
4,800.0	4,690.8	4,735.1	4,689.8	19.8	15.6	124.87	709.4	-19.1	532.6	499.7	32.89	16.192		
4,900.0	4,787.5	4,833.7	4,787.3	20.3	15.9	125.55	723.7	-19.6	547.9	514.3	33.61	16.301		
5,000.0	4,884.2	4,932.3	4,884.9	20.8	16.3	126.19	738.0	-20.0	563.3	529.0	34.33	16.407		
5,100.0	4,980.9	5,030.9	4,982.5	21.4	16.6	126.79	752.4	-20.4	578.8	543.7	35.05	16.512		
5,192.1	5,069.9	5,121.8	5,072.4	21.9	16.9	127.32	765.6	-20.8	593.1	557.4	35.71	16.608		
5,200.0	5,077.6	5,129.5	5,080.1	21.9	16.9	127.38	766.7	-20.9	594.3	558.5	35.77	16.616		
5,300.0	5,174.8	5,228.4	5,177.9	22.3	17.3	128.00	781.1	-21.3	608.6	572.2	36.42	16.712		
5,400.0	5,272.7	5,327.7	5,276.1	22.6	17.6	128.32	795.5	-21.7	620.8	583.8	37.07	16.747		
5,500.0	5,371.3	5,426.6	5,374.2	22.9	17.9	128.48	808.5	-22.1	631.0	593.3	37.64	16.763		
5,600.0	5,470.4	5,525.7	5,472.8	23.2	18.1	128.66	818.0	-22.4	639.0	600.9	38.10	16.772		
5,700.0	5,569.9	5,624.9	5,571.8	23.4	18.3	128.88	824.2	-22.6	645.0	606.5	38.47	16.765		
5,800.0	5,669.7	5,724.1	5,670.9	23.6	18.5	129.13	826.9	-22.7	648.8	610.1	38.76	16.741		
5,900.0	5,769.7	5,823.8	5,770.7	23.7	18.6	129.34	827.1	-22.7	650.6	611.6	38.99	16.687		
5,930.3	5,800.0	5,854.2	5,801.0	23.8	18.7	90.32	827.1	-22.7	650.7	611.5	39.20	16.599		
6,000.0	5,869.7	5,923.8	5,870.7	23.8	18.8	90.32	827.1	-22.7	650.7	611.3	39.39	16.520		
6,072.4	5,942.1	5,996.3	5,943.1	23.9	18.9	90.32	827.1	-22.7	650.7	611.1	39.59	16.436		
6,100.0	5,969.7	6,024.2	5,971.0	23.9	18.9	-90.59	826.3	-22.7	650.7	611.2	39.50	16.474		
6,150.0	6,019.4	6,074.9	6,021.4	23.9	18.9	-90.59	821.1	-22.8	650.7	611.2	39.51	16.470		
6,200.0	6,068.4	6,125.6	6,071.1	23.9	18.9	-90.58	811.1	-23.0	650.7	611.3	39.41	16.511		
6,250.0	6,116.3	6,176.2	6,119.5	23.8	18.8	-90.56	796.3	-23.2	650.7	611.5	39.22	16.593		
6,300.0	6,162.5	6,226.8	6,166.2	23.7	18.6	-90.54	776.9	-23.5	650.7	611.8	38.93	16.715		
6,350.0	6,206.7	6,277.4	6,210.8	23.5	18.5	-90.51	753.0	-23.9	650.7	612.1	38.56	16.873		
6,400.0	6,248.5	6,328.0	6,252.9	23.3	18.2	-90.48	725.0	-24.4	650.7	612.5	38.13	17.064		
6,450.0	6,287.5	6,378.5	6,292.0	23.1	18.0	-90.44	693.0	-24.9	650.6	613.0	37.65	17.283		
6,500.0	6,323.3	6,429.0	6,327.8	22.9	17.8	-90.40	657.4	-25.5	650.6	613.5	37.13	17.524		
6,550.0	6,355.5	6,479.5	6,359.9	22.6	17.5	-90.36	618.6	-26.1	650.6	614.0	36.59	17.779		
6,600.0	6,384.0	6,529.8	6,388.1	22.4	17.3	-90.31	576.9	-26.8	650.6	614.5	36.06	18.040		
6,650.0	6,408.4	6,580.2	6,412.2	22.1	17.1	-90.26	532.7	-27.5	650.6	615.0	35.55	18.299		
6,700.0	6,428.5	6,630.4	6,431.8	21.8	16.8	-90.21	486.5	-28.3	650.5	615.5	35.08	18.543		
6,750.0	6,444.1	6,680.6	6,446.9	21.6	16.7	-90.15	438.6	-29.1	650.5	615.9	34.67	18.764		
6,800.0	6,455.1	6,730.8	6,457.3	21.3	16.5	-90.10	389.6	-29.9	650.5	616.2	34.32	18.952		
6,850.0	6,461.4	6,780.8	6,462.9	21.0	16.4	-90.04	339.9	-30.7	650.5	616.4	34.06	19.098		
6,890.6	6,463.0	6,821.5	6,464.0	20.8	16.4	-90.00	299.2	-31.3	650.5	616.6	33.91	19.180		
6,900.0	6,463.0	6,830.9	6,464.0	20.8	16.4	-90.00	289.9	-31.5	650.5	616.6	33.89	19.191		
6,990.6	6,463.0	6,921.5	6,464.0	20.4	16.4	-90.00	199.3	-33.0	650.4	616.6	33.84	19.219		
6,990.6	6,463.0	6,921.5	6,464.0	20.4	16.4	-90.00	199.3	-33.0	650.4	616.6	33.84	19.219		
6,995.6	6,463.0	6,926.5	6,464.0	20.4	16.4	-90.00	194.3	-33.1	650.4	616.6	33.86	19.212		
7,000.0	6,463.0	6,930.9	6,464.0	20.3	16.4	-90.00	189.9	-33.1	650.4	616.6	33.87	19.206		
7,100.0	6,463.0	7,030.9	6,464.0	20.0	16.7	-90.00	89.9	-34.8	650.4	616.1	34.28	18.974		
7,200.0	6,463.0	7,130.9	6,464.0	19.7	17.2	-90.00	-10.1	-36.4	650.3	615.3	35.09	18.532		
7,300.0	6,463.0	7,230.9	6,464.0	19.4	17.9	-90.00	-110.1	-38.0	650.3	614.0	36.30	17.917		
7,400.0	6,463.0	7,330.9	6,464.0	19.5	18.8	-90.00	-210.0	-39.7	650.3	612.4	37.85	17.181		
7,500.0	6,463.0	7,430.9	6,464.0	20.4	19.8	-90.00	-310.0	-41.3	650.2	610.5	39.71	16.374		
7,600.0	6,463.0	7,530.9	6,464.0	21.5	20.9	-90.00	-410.0	-42.9	650.2	608.3	41.84	15.539		
7,700.0	6,463.0	7,630.9	6,464.0	22.8	22.2	-90.00	-510.0	-44.6	650.1	605.9	44.20	14.708		
7,800.0	6,463.0	7,730.9	6,464.0	24.0	23.5	-90.00	-610.0	-46.2	650.1	603.4	46.76	13.904		
7,900.0	6,463.0	7,830.9	6,464.0	25.4	24.9	-90.00	-710.0	-47.9	650.1	600.6	49.48	13.138		
8,000.0	6,463.0	7,930.9	6,464.0	26.8	26.4	-90.00	-810.0	-49.5	650.0	597.7	52.34	12.420		
8,100.0	6,463.0	8,030.9	6,464.0	28.3	27.9	-90.00	-910.0	-51.1	650.0	594.7	55.32	11.750		
8,200.0	6,463.0	8,130.9	6,464.0	29.8	29.5	-90.00	-1,009.9	-52.8	650.0	591.6	58.39	11.130		
8,300.0	6,463.0	8,230.9	6,464.0	31.4	31.1	-90.00	-1,109.9	-54.4	649.9	588.4	61.56	10.558		

8/30/2013 11:17:55AM CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation Page 9 COMPASS 2003.21 Build 46

Offset Design													Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(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	-21.9	0.0	21.9						
100.0	100.0	100.0	100.0	0.1	0.1	-180.00	-21.9	0.0	21.9	21.6	0.22	97.214			
200.0	200.0	200.0	200.0	0.3	0.3	-180.00	-21.9	0.0	21.9	21.2	0.67	32.405			
300.0	300.0	300.0	300.0	0.6	0.6	-180.00	-21.9	0.0	21.9	20.7	1.12	19.443			
400.0	400.0	400.0	400.0	0.8	0.8	-180.00	-21.9	0.0	21.9	20.3	1.57	13.888			
500.0	500.0	500.0	500.0	1.0	1.0	-180.00	-21.9	0.0	21.9	19.8	2.02	10.802			
600.0	600.0	600.0	600.0	1.2	1.2	-180.00	-21.9	0.0	21.9	19.4	2.47	8.838			
700.0	700.0	700.0	700.0	1.5	1.5	-180.00	-21.9	0.0	21.9	18.9	2.92	7.478			
800.0	800.0	800.0	800.0	1.7	1.7	-180.00	-21.9	0.0	21.9	18.5	3.37	6.481			
900.0	900.0	900.0	900.0	1.9	1.9	-180.00	-21.9	0.0	21.9	18.0	3.82	5.718			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-180.00	-21.9	0.0	21.9	17.6	4.27	5.117 CC, ES			
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-143.66	-21.9	0.0	23.2	18.5	4.72	4.925			
1,200.0	1,199.8	1,199.8	1,199.8	2.6	2.6	-150.06	-21.9	0.0	27.6	22.5	5.16	5.353			
1,300.0	1,299.5	1,300.5	1,300.4	2.8	2.8	-155.49	-20.7	-1.3	34.0	28.4	5.60	6.075			
1,400.0	1,398.7	1,401.3	1,401.1	3.1	3.0	-158.35	-17.2	-5.4	40.8	34.8	6.03	6.776			
1,500.0	1,497.5	1,502.4	1,501.8	3.3	3.3	-159.68	-11.5	-12.1	48.0	41.5	6.46	7.425			
1,600.0	1,595.6	1,603.7	1,602.3	3.6	3.5	-160.03	-3.4	-21.6	55.4	48.5	6.91	8.015			
1,700.0	1,693.1	1,705.2	1,702.6	4.0	3.8	-159.75	7.1	-33.7	63.0	55.6	7.38	8.542			
1,738.2	1,730.1	1,744.0	1,740.8	4.2	3.9	-159.52	11.7	-39.1	66.0	58.4	7.56	8.722			
1,800.0	1,789.8	1,807.0	1,802.4	4.4	4.1	-158.87	19.9	-48.6	70.2	62.3	7.90	8.890			
1,900.0	1,886.5	1,909.0	1,901.8	4.8	4.5	-156.77	35.0	-66.3	74.7	66.2	8.49	8.793			
2,000.0	1,983.2	2,011.1	2,000.3	5.3	4.9	-153.34	52.4	-86.6	76.4	67.2	9.18	8.320			
2,100.0	2,079.9	2,113.0	2,097.6	5.8	5.3	-148.32	72.1	-109.5	75.6	65.6	10.00	7.561			
2,200.0	2,176.6	2,214.4	2,193.4	6.2	5.9	-141.21	93.9	-134.9	73.0	62.0	11.03	6.619			
2,300.0	2,273.3	2,314.2	2,286.6	6.7	6.5	-132.01	116.9	-161.8	70.1	57.8	12.31	5.694			
2,399.1	2,369.2	2,412.6	2,378.6	7.2	7.1	-122.32	139.8	-188.5	69.1	55.4	13.73	5.034			
2,400.0	2,370.0	2,413.5	2,379.4	7.2	7.1	-122.23	140.0	-188.7	69.1	55.4	13.74	5.029			
2,500.0	2,466.7	2,512.8	2,472.1	7.7	7.8	-112.45	163.1	-215.6	70.1	55.0	15.19	4.618			
2,600.0	2,563.4	2,612.1	2,564.9	8.2	8.4	-103.21	186.1	-242.5	73.2	56.6	16.56	4.420			
2,700.0	2,660.1	2,711.3	2,657.6	8.7	9.1	-94.90	209.2	-269.4	78.0	60.2	17.77	4.387			
2,800.0	2,756.8	2,810.6	2,750.3	9.2	9.8	-87.67	232.3	-296.3	84.2	65.4	18.84	4.469			
2,900.0	2,853.5	2,909.9	2,843.1	9.8	10.5	-81.50	255.3	-323.2	91.6	71.8	19.78	4.631			
3,000.0	2,950.2	3,009.2	2,935.8	10.3	11.2	-76.30	278.4	-350.1	99.9	79.2	20.62	4.842			
3,100.0	3,046.9	3,108.4	3,028.6	10.8	11.9	-71.93	301.4	-377.0	108.8	87.4	21.41	5.084			
3,200.0	3,143.6	3,207.7	3,121.3	11.3	12.6	-68.23	324.5	-403.9	118.4	96.2	22.16	5.342			
3,300.0	3,240.3	3,307.0	3,214.1	11.8	13.3	-65.09	347.6	-430.8	128.3	105.4	22.88	5.606			
3,400.0	3,337.0	3,406.3	3,306.8	12.4	14.0	-62.41	370.6	-457.7	138.6	115.0	23.60	5.871			
3,500.0	3,433.7	3,505.6	3,399.5	12.9	14.7	-60.10	393.7	-484.6	149.1	124.8	24.31	6.133			
3,600.0	3,530.4	3,604.8	3,492.3	13.4	15.4	-58.10	416.8	-511.5	159.8	134.8	25.02	6.388			
3,700.0	3,627.1	3,704.1	3,585.0	13.9	16.2	-56.35	439.8	-538.4	170.7	145.0	25.73	6.636			
3,800.0	3,723.8	3,803.4	3,677.8	14.5	16.9	-54.81	462.9	-565.2	181.7	155.3	26.44	6.875			
3,900.0	3,820.5	3,902.7	3,770.5	15.0	17.6	-53.44	486.0	-592.1	192.9	165.7	27.15	7.105			
4,000.0	3,917.2	4,001.9	3,863.2	15.5	18.3	-52.23	509.0	-619.0	204.1	176.3	27.87	7.325			
4,100.0	4,013.9	4,101.2	3,956.0	16.0	19.1	-51.14	532.1	-645.9	215.5	186.9	28.59	7.537			
4,200.0	4,110.6	4,200.5	4,048.7	16.6	19.8	-50.17	555.1	-672.8	226.9	197.6	29.31	7.739			
4,300.0	4,207.3	4,299.8	4,141.5	17.1	20.5	-49.28	578.2	-699.7	238.3	208.3	30.04	7.933			
4,400.0	4,304.0	4,399.1	4,234.2	17.6	21.3	-48.48	601.3	-726.6	249.8	219.1	30.77	8.119			
4,500.0	4,400.7	4,498.3	4,326.9	18.2	22.0	-47.75	624.3	-753.5	261.4	229.9	31.51	8.296			
4,600.0	4,497.4	4,597.6	4,419.7	18.7	22.7	-47.08	647.4	-780.4	273.0	240.7	32.25	8.466			
4,700.0	4,594.1	4,696.9	4,512.4	19.2	23.4	-46.46	670.5	-807.3	284.6	251.6	32.99	8.628			
4,800.0	4,690.8	4,796.2	4,605.2	19.8	24.2	-45.90	693.5	-834.2	296.3	262.5	33.73	8.784			

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Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte P31-T34-26HNB - Wellbore #1 - P													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
4,900.0	4,787.5	4,897.5	4,699.9	20.3	24.9	-45.37	-45.37	717.0	-861.6	307.9	273.4	34.47	8.930	
5,000.0	4,884.2	5,006.8	4,803.0	20.8	25.5	-45.15	-45.15	740.6	-889.0	317.3	282.1	35.26	9.001	
5,100.0	4,980.9	5,116.6	4,907.9	21.4	26.0	-45.37	-45.37	761.7	-913.6	323.7	287.6	36.16	8.952	
5,192.1	5,069.9	5,218.0	5,005.8	21.9	26.5	-45.94	-45.94	778.8	-933.6	326.8	289.7	37.10	8.809	
5,200.0	5,077.6	5,226.7	5,014.2	21.9	26.5	-46.01	-46.01	780.1	-935.2	327.0	289.8	37.18	8.794	
5,300.0	5,174.8	5,336.7	5,121.6	22.3	27.0	-46.81	-46.81	795.9	-953.6	328.6	290.5	38.12	8.620	
5,400.0	5,272.7	5,446.7	5,229.7	22.6	27.3	-47.56	-47.56	809.0	-968.9	329.5	290.6	38.97	8.457	
5,500.0	5,371.3	5,556.7	5,338.5	22.9	27.6	-48.24	-48.24	819.4	-981.0	329.9	290.1	39.72	8.305	
5,600.0	5,470.4	5,666.6	5,447.7	23.2	27.9	-48.87	-48.87	827.1	-990.0	329.5	289.1	40.37	8.162	
5,700.0	5,569.9	5,776.3	5,557.2	23.4	28.1	-49.44	-49.44	832.0	-995.7	328.5	287.5	40.93	8.025	
5,800.0	5,669.7	5,886.0	5,666.8	23.6	28.2	-49.96	-49.96	834.2	-998.3	326.8	285.4	41.40	7.894	
5,900.0	5,769.7	5,988.8	5,769.7	23.7	28.3	-50.31	-50.31	834.3	-998.4	325.1	283.4	41.73	7.792	
5,930.3	5,800.0	6,019.2	5,800.0	23.8	28.3	-89.36	-89.36	834.3	-998.4	325.0	282.9	42.13	7.714	
5,956.9	5,826.5	6,045.7	5,826.5	23.8	28.4	-89.36	-89.36	834.3	-998.4	325.0	282.8	42.20	7.702	
6,000.0	5,869.7	6,088.7	5,869.5	23.8	28.4	-89.56	-89.56	833.2	-998.4	325.0	282.7	42.36	7.674	
6,072.4	5,942.1	6,159.5	5,939.6	23.9	28.4	-91.22	-91.22	823.8	-998.6	325.3	282.2	43.04	7.557	
6,100.0	5,969.7	6,185.8	5,965.2	23.9	28.3	86.91	86.91	817.8	-998.7	325.5	282.5	43.04	7.563	
6,150.0	6,019.4	6,232.7	6,010.1	23.9	28.3	85.23	85.23	804.1	-998.9	326.2	282.6	43.55	7.490	
6,200.0	6,068.4	6,279.0	6,052.9	23.9	28.2	83.60	83.60	786.6	-999.2	327.1	283.2	43.90	7.451	
6,250.0	6,116.3	6,324.5	6,093.4	23.8	28.0	82.04	82.04	765.8	-999.5	328.3	284.2	44.08	7.447	
6,300.0	6,162.5	6,369.4	6,131.4	23.7	27.9	80.57	80.57	741.9	-999.9	329.6	285.5	44.08	7.477	
6,350.0	6,206.7	6,413.7	6,166.7	23.5	27.7	79.18	79.18	715.2	-1,000.3	331.0	287.1	43.90	7.542	
6,400.0	6,248.5	6,457.5	6,199.3	23.3	27.5	77.90	77.90	685.9	-1,000.8	332.6	289.0	43.53	7.640	
6,450.0	6,287.5	6,500.0	6,228.4	23.1	27.4	76.75	76.75	655.0	-1,001.3	334.1	291.1	43.00	7.770	
6,500.0	6,323.3	6,543.9	6,255.7	22.9	27.1	75.67	75.67	620.8	-1,001.8	335.6	293.3	42.32	7.930	
6,550.0	6,355.5	6,586.5	6,279.4	22.6	26.9	74.73	74.73	585.4	-1,002.4	337.0	295.5	41.53	8.115	
6,600.0	6,384.0	6,628.8	6,300.0	22.4	26.7	73.92	73.92	548.4	-1,003.0	338.4	297.7	40.67	8.320	
6,650.0	6,408.4	6,670.8	6,317.5	22.1	26.5	73.23	73.23	510.2	-1,003.6	339.5	299.8	39.76	8.539	
6,700.0	6,428.5	6,712.7	6,331.7	21.8	26.3	72.68	72.68	470.8	-1,004.2	340.5	301.7	38.87	8.761	
6,750.0	6,444.1	6,754.4	6,342.7	21.6	26.1	72.25	72.25	430.6	-1,004.9	341.3	303.3	38.02	8.977	
6,800.0	6,455.1	6,800.0	6,351.0	21.3	25.9	71.94	71.94	385.8	-1,005.6	341.9	304.6	37.25	9.178	
6,801.4	6,455.4	6,800.0	6,351.0	21.3	25.9	71.94	71.94	385.8	-1,005.6	341.9	304.6	37.23	9.182	
6,850.0	6,461.4	6,837.5	6,354.8	21.0	25.7	71.81	71.81	348.5	-1,006.2	342.1	305.5	36.63	9.339	
6,890.6	6,463.0	6,872.5	6,356.0	20.8	25.5	71.78	71.78	313.5	-1,006.7	342.2	306.0	36.23	9.446	
6,892.2	6,463.0	6,872.5	6,356.0	20.8	25.5	71.78	71.78	313.5	-1,006.7	342.2	306.0	36.22	9.446	
6,900.0	6,463.0	6,880.3	6,356.0	20.8	25.5	71.78	71.78	305.7	-1,006.8	342.2	306.0	36.21	9.450	
7,000.0	6,463.0	6,980.3	6,356.0	20.3	25.1	71.78	71.78	205.7	-1,008.4	342.2	306.0	36.20	9.453	
7,100.0	6,463.0	7,080.3	6,356.0	20.0	24.7	71.78	71.78	105.7	-1,010.0	342.2	305.6	36.57	9.357	
7,200.0	6,463.0	7,180.3	6,356.0	19.7	24.4	71.78	71.78	5.8	-1,011.6	342.2	304.9	37.29	9.177	
7,300.0	6,463.0	7,280.3	6,356.0	19.4	24.2	71.78	71.78	-94.2	-1,013.2	342.2	303.8	38.34	8.924	
7,400.0	6,463.0	7,380.3	6,356.0	19.5	24.1	71.78	71.78	-194.2	-1,014.8	342.2	302.5	39.71	8.616	
7,500.0	6,463.0	7,480.3	6,356.0	20.4	24.2	71.78	71.78	-294.2	-1,016.4	342.2	300.8	41.36	8.274	
7,600.0	6,463.0	7,580.3	6,356.0	21.5	24.5	71.78	71.78	-394.2	-1,018.0	342.2	298.9	43.26	7.910	
7,700.0	6,463.0	7,680.3	6,356.0	22.8	25.1	71.78	71.78	-494.2	-1,019.6	342.2	296.8	45.38	7.541	
7,800.0	6,463.0	7,780.3	6,356.0	24.0	26.0	71.78	71.78	-594.2	-1,021.2	342.2	294.5	47.68	7.177	
7,900.0	6,463.0	7,880.3	6,356.0	25.4	27.1	71.78	71.78	-694.2	-1,022.8	342.2	292.0	50.15	6.824	
8,000.0	6,463.0	7,980.3	6,356.0	26.8	28.4	71.78	71.78	-794.1	-1,024.4	342.2	289.4	52.76	6.486	
8,100.0	6,463.0	8,080.3	6,356.0	28.3	29.7	71.78	71.78	-894.1	-1,026.0	342.2	286.7	55.48	6.168	
8,200.0	6,463.0	8,180.3	6,356.0	29.8	31.2	71.78	71.78	-994.1	-1,027.6	342.2	283.9	58.31	5.868	
8,300.0	6,463.0	8,280.3	6,356.0	31.4	32.6	71.78	71.78	-1,094.1	-1,029.2	342.2	281.0	61.23	5.589	
8,400.0	6,463.0	8,380.3	6,356.0	32.9	34.1	71.78	71.78	-1,194.1	-1,030.8	342.2	278.0	64.23	5.328	

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

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte P31-T34-26HNB - Wellbore #1 - P													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 Reference	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,500.0	6,463.0	8,480.3	6,356.0	34.6	35.7	71.78	71.78	-1,294.1	-1,032.4	342.2	274.9	67.29	5.085	
8,600.0	6,463.0	8,580.3	6,356.0	36.2	37.3	71.78	71.78	-1,394.1	-1,034.0	342.2	271.8	70.41	4.860	
8,700.0	6,463.0	8,680.3	6,356.0	37.9	38.9	71.78	71.78	-1,494.0	-1,035.6	342.2	268.6	73.58	4.651	
8,800.0	6,463.0	8,780.3	6,356.0	39.5	40.5	71.78	71.78	-1,594.0	-1,037.2	342.2	265.4	76.80	4.456	
8,900.0	6,463.0	8,880.3	6,356.0	41.3	42.2	71.78	71.78	-1,694.0	-1,038.8	342.2	262.1	80.05	4.275	
9,000.0	6,463.0	8,980.3	6,356.0	43.0	43.9	71.78	71.78	-1,794.0	-1,040.4	342.2	258.9	83.34	4.106	
9,100.0	6,463.0	9,080.3	6,356.0	44.7	45.6	71.78	71.78	-1,894.0	-1,042.0	342.2	255.5	86.66	3.949	
9,200.0	6,463.0	9,180.3	6,356.0	46.5	47.3	71.78	71.78	-1,994.0	-1,043.6	342.2	252.2	90.00	3.802	
9,300.0	6,463.0	9,280.3	6,356.0	48.2	49.0	71.78	71.78	-2,094.0	-1,045.2	342.2	248.8	93.37	3.665	
9,400.0	6,463.0	9,380.3	6,356.0	50.0	50.8	71.78	71.78	-2,194.0	-1,046.8	342.2	245.4	96.77	3.536	
9,500.0	6,463.0	9,480.3	6,356.0	51.8	52.5	71.78	71.78	-2,293.9	-1,048.4	342.2	242.0	100.18	3.416	
9,600.0	6,463.0	9,580.3	6,356.0	53.6	54.3	71.78	71.78	-2,393.9	-1,050.0	342.2	238.6	103.61	3.303	
9,700.0	6,463.0	9,680.3	6,356.0	55.4	56.0	71.78	71.78	-2,493.9	-1,051.6	342.2	235.2	107.05	3.197	
9,800.0	6,463.0	9,780.3	6,356.0	57.2	57.8	71.78	71.78	-2,593.9	-1,053.2	342.2	231.7	110.51	3.097	
9,900.0	6,463.0	9,880.3	6,356.0	59.0	59.6	71.78	71.78	-2,693.9	-1,054.8	342.2	228.2	113.98	3.002	
10,000.0	6,463.0	9,980.3	6,356.0	60.8	61.4	71.78	71.78	-2,793.9	-1,056.4	342.2	224.7	117.46	2.913	
10,100.0	6,463.0	10,080.3	6,356.0	62.6	63.2	71.78	71.78	-2,893.9	-1,058.0	342.2	221.2	120.96	2.829	
10,200.0	6,463.0	10,180.3	6,356.0	64.4	65.0	71.78	71.78	-2,993.9	-1,059.6	342.2	217.7	124.46	2.749	
10,300.0	6,463.0	10,280.3	6,356.0	66.3	66.8	71.78	71.78	-3,093.8	-1,061.2	342.2	214.2	127.98	2.674	
10,400.0	6,463.0	10,380.3	6,356.0	68.1	68.6	71.78	71.78	-3,193.8	-1,062.8	342.2	210.7	131.50	2.602	
10,500.0	6,463.0	10,480.3	6,356.0	69.9	70.4	71.78	71.78	-3,293.8	-1,064.4	342.2	207.2	135.03	2.534	
10,600.0	6,463.0	10,580.3	6,356.0	71.8	72.3	71.78	71.78	-3,393.8	-1,066.0	342.2	203.6	138.57	2.470	
10,700.0	6,463.0	10,680.3	6,356.0	73.6	74.1	71.78	71.78	-3,493.8	-1,067.6	342.2	200.1	142.11	2.408	
10,800.0	6,463.0	10,780.3	6,356.0	75.5	75.9	71.78	71.78	-3,593.8	-1,069.2	342.2	196.6	145.66	2.349	
10,900.0	6,463.0	10,880.3	6,356.0	77.3	77.8	71.78	71.78	-3,693.8	-1,070.8	342.2	193.0	149.22	2.293	
11,000.0	6,463.0	10,980.3	6,356.0	79.2	79.6	71.78	71.78	-3,793.8	-1,072.4	342.2	189.4	152.78	2.240	
11,084.6	6,463.0	11,064.9	6,356.0	80.8	81.2	71.78	71.78	-3,878.3	-1,073.7	342.2	186.4	155.79	2.197 SF	

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte P41-T44-26HNB - Wellbore #1 - P													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 (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	
0.0	0.0	0.0	0.0	0.0	0.0	0.00	18.2	0.0	18.2	18.2	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	0.00	18.2	0.0	18.2	18.0	0.22	81.024		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	18.2	0.0	18.2	17.5	0.67	27.008		
300.0	300.0	300.0	300.0	0.6	0.6	0.00	18.2	0.0	18.2	17.1	1.12	16.205		
400.0	400.0	400.0	400.0	0.8	0.8	0.00	18.2	0.0	18.2	16.6	1.57	11.575		
500.0	500.0	500.0	500.0	1.0	1.0	0.00	18.2	0.0	18.2	16.2	2.02	9.003		
600.0	600.0	600.0	600.0	1.2	1.2	0.00	18.2	0.0	18.2	15.7	2.47	7.366		
700.0	700.0	700.0	700.0	1.5	1.5	0.00	18.2	0.0	18.2	15.3	2.92	6.233		
800.0	800.0	800.0	800.0	1.7	1.7	0.00	18.2	0.0	18.2	14.8	3.37	5.402 CC, ES		
900.0	900.0	899.4	899.4	1.9	1.9	-1.96	19.8	-0.7	19.8	16.0	3.82	5.190		
1,000.0	1,000.0	998.5	998.4	2.1	2.1	-6.29	24.5	-2.7	24.7	20.5	4.27	5.796		
1,100.0	1,100.0	1,097.3	1,096.8	2.4	2.4	29.85	32.4	-6.1	31.6	26.9	4.72	6.698		
1,200.0	1,199.8	1,195.9	1,194.6	2.6	2.6	29.31	43.3	-10.7	38.8	33.6	5.16	7.516		
1,300.0	1,299.5	1,294.2	1,291.8	2.8	2.9	30.03	57.3	-16.7	46.3	40.7	5.61	8.248		
1,400.0	1,398.7	1,392.5	1,388.3	3.1	3.2	31.48	74.3	-24.0	54.0	48.0	6.08	8.895		
1,500.0	1,497.5	1,492.3	1,486.1	3.3	3.5	34.05	92.6	-31.8	60.0	53.5	6.57	9.142		
1,600.0	1,595.6	1,592.2	1,584.0	3.6	3.9	38.03	110.9	-39.7	63.4	56.2	7.11	8.915		
1,700.0	1,693.1	1,692.0	1,681.7	4.0	4.3	43.68	129.2	-47.5	64.4	56.7	7.73	8.329		
1,738.2	1,730.1	1,730.0	1,719.1	4.2	4.4	46.37	136.2	-50.5	64.3	56.3	8.00	8.036		
1,782.5	1,772.9	1,774.2	1,762.3	4.3	4.6	49.68	144.3	-53.9	64.2	55.8	8.35	7.689		
1,800.0	1,789.8	1,791.6	1,779.4	4.4	4.7	50.99	147.5	-55.3	64.2	55.7	8.49	7.562		
1,900.0	1,886.5	1,891.3	1,877.0	4.8	5.1	58.41	165.7	-63.1	65.0	55.6	9.36	6.941		
2,000.0	1,983.2	1,990.9	1,974.7	5.3	5.5	65.56	184.0	-70.9	66.8	56.5	10.29	6.485		
2,100.0	2,079.9	2,090.6	2,072.3	5.8	5.9	72.23	202.3	-78.8	69.5	58.3	11.27	6.170		
2,200.0	2,176.6	2,190.2	2,170.0	6.2	6.3	78.31	220.5	-86.6	73.2	60.9	12.26	5.970		
2,300.0	2,273.3	2,289.8	2,267.6	6.7	6.7	83.76	238.8	-94.4	77.6	64.4	13.24	5.860		
2,400.0	2,370.0	2,389.5	2,365.3	7.2	7.1	88.60	257.1	-102.2	82.6	68.4	14.21	5.816		
2,500.0	2,466.7	2,489.1	2,462.9	7.7	7.5	92.85	275.3	-110.0	88.2	73.0	15.15	5.821		
2,600.0	2,563.4	2,588.8	2,560.5	8.2	7.9	96.59	293.6	-117.9	94.1	78.1	16.07	5.860		
2,700.0	2,660.1	2,688.4	2,658.2	8.7	8.3	99.87	311.9	-125.7	100.5	83.5	16.96	5.923		
2,800.0	2,756.8	2,788.1	2,755.8	9.2	8.8	102.75	330.2	-133.5	107.1	89.2	17.84	6.002		
2,900.0	2,853.5	2,887.7	2,853.5	9.8	9.2	105.29	348.4	-141.3	113.9	95.2	18.71	6.091		
3,000.0	2,950.2	2,987.4	2,951.1	10.3	9.6	107.54	366.7	-149.1	121.0	101.4	19.56	6.187		
3,100.0	3,046.9	3,087.0	3,048.8	10.8	10.0	109.55	385.0	-156.9	128.2	107.8	20.40	6.286		
3,200.0	3,143.6	3,186.6	3,146.4	11.3	10.5	111.33	403.2	-164.8	135.6	114.3	21.23	6.387		
3,300.0	3,240.3	3,286.3	3,244.0	11.8	10.9	112.93	421.5	-172.6	143.0	121.0	22.05	6.487		
3,400.0	3,337.0	3,385.9	3,341.7	12.4	11.3	114.37	439.8	-180.4	150.6	127.8	22.87	6.586		
3,500.0	3,433.7	3,485.6	3,439.3	12.9	11.7	115.68	458.0	-188.2	158.3	134.6	23.68	6.683		
3,600.0	3,530.4	3,585.2	3,537.0	13.4	12.2	116.86	476.3	-196.0	166.0	141.5	24.49	6.778		
3,700.0	3,627.1	3,684.9	3,634.6	13.9	12.6	117.94	494.6	-203.8	173.8	148.5	25.30	6.870		
3,800.0	3,723.8	3,784.5	3,732.3	14.5	13.0	118.92	512.8	-211.7	181.7	155.6	26.10	6.960		
3,900.0	3,820.5	3,884.2	3,829.9	15.0	13.5	119.82	531.1	-219.5	189.6	162.7	26.91	7.046		
4,000.0	3,917.2	3,983.8	3,927.5	15.5	13.9	120.65	549.4	-227.3	197.5	169.8	27.71	7.130		
4,100.0	4,013.9	4,083.4	4,025.2	16.0	14.3	121.42	567.6	-235.1	205.5	177.0	28.50	7.210		
4,200.0	4,110.6	4,183.1	4,122.8	16.6	14.7	122.13	585.9	-242.9	213.5	184.2	29.30	7.287		
4,300.0	4,207.3	4,282.7	4,220.5	17.1	15.2	122.78	604.2	-250.7	221.6	191.5	30.10	7.362		
4,400.0	4,304.0	4,382.4	4,318.1	17.6	15.6	123.39	622.5	-258.6	229.7	198.8	30.89	7.434		
4,500.0	4,400.7	4,482.0	4,415.8	18.2	16.0	123.96	640.7	-266.4	237.8	206.1	31.69	7.503		
4,600.0	4,497.4	4,581.7	4,513.4	18.7	16.5	124.49	659.0	-274.2	245.9	213.4	32.48	7.570		
4,700.0	4,594.1	4,681.3	4,611.0	19.2	16.9	124.99	677.3	-282.0	254.0	220.7	33.27	7.634		
4,800.0	4,690.8	4,781.0	4,708.7	19.8	17.3	125.46	695.5	-289.8	262.2	228.1	34.07	7.696		

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

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte P41-T44-26HNB - Wellbore #1 - P													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	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.0	4,787.5	4,880.6	4,806.3	20.3	17.7	125.90	713.8	-297.7	270.4	235.5	34.86	7.755		
5,000.0	4,884.2	4,980.2	4,904.0	20.8	18.2	126.31	732.1	-305.5	278.5	242.9	35.65	7.813		
5,100.0	4,980.9	5,079.9	5,001.6	21.4	18.6	126.70	750.3	-313.3	286.7	250.3	36.44	7.868		
5,192.1	5,069.9	5,171.7	5,091.6	21.9	19.0	127.04	767.2	-320.5	294.3	257.1	37.17	7.917		
5,200.0	5,077.6	5,179.5	5,099.3	21.9	19.0	127.07	768.6	-321.1	295.0	257.7	37.23	7.922		
5,300.0	5,174.8	5,276.7	5,194.6	22.3	19.4	127.37	785.7	-328.4	302.3	264.3	37.91	7.972		
5,400.0	5,272.7	5,372.6	5,289.3	22.6	19.7	127.68	799.8	-334.5	308.6	270.2	38.47	8.023		
5,500.0	5,371.3	5,468.5	5,384.4	22.9	20.0	128.02	811.0	-339.2	314.2	275.2	38.93	8.070		
5,600.0	5,470.4	5,564.4	5,479.8	23.2	20.2	128.40	819.2	-342.8	318.8	279.5	39.30	8.111		
5,700.0	5,569.9	5,660.1	5,575.4	23.4	20.3	128.82	824.5	-345.0	322.6	283.0	39.59	8.148		
5,800.0	5,669.7	5,755.8	5,671.0	23.6	20.5	129.28	826.9	-346.0	325.5	285.7	39.79	8.181		
5,900.0	5,769.7	5,854.4	5,769.7	23.7	20.6	129.65	827.0	-346.1	327.2	287.3	39.95	8.191		
5,930.3	5,800.0	5,884.7	5,800.0	23.8	20.6	90.65	827.0	-346.1	327.3	287.1	40.22	8.139		
6,000.0	5,869.7	5,954.5	5,869.7	23.8	20.7	90.85	825.9	-346.1	327.3	287.0	40.33	8.115		
6,008.4	5,878.1	5,962.8	5,878.1	23.8	20.7	90.96	825.2	-346.1	327.3	287.0	40.32	8.118		
6,072.4	5,942.1	6,025.7	5,940.3	23.9	20.7	92.52	816.3	-346.3	327.4	287.4	40.02	8.181		
6,100.0	5,969.7	6,052.1	5,966.0	23.9	20.7	-87.44	810.3	-346.4	327.6	288.1	39.58	8.277		
6,150.0	6,019.4	6,100.0	6,011.7	23.9	20.6	-85.73	796.2	-346.6	328.2	289.2	39.08	8.400		
6,200.0	6,068.4	6,145.8	6,054.1	23.9	20.4	-84.12	778.8	-346.9	329.1	290.6	38.50	8.547		
6,250.0	6,116.3	6,191.6	6,094.7	23.8	20.3	-82.55	757.7	-347.3	330.1	292.3	37.87	8.718		
6,300.0	6,162.5	6,236.7	6,132.8	23.7	20.1	-81.06	733.6	-347.7	331.4	294.2	37.20	8.909		
6,350.0	6,206.7	6,281.2	6,168.2	23.5	19.9	-79.65	706.7	-348.1	332.8	296.3	36.51	9.116		
6,400.0	6,248.5	6,325.2	6,200.7	23.3	19.7	-78.35	677.1	-348.6	334.2	298.4	35.81	9.333		
6,450.0	6,287.5	6,368.7	6,230.4	23.1	19.5	-77.15	645.4	-349.1	335.7	300.6	35.13	9.557		
6,500.0	6,323.3	6,411.7	6,257.1	22.9	19.2	-76.06	611.5	-349.7	337.2	302.8	34.48	9.781		
6,550.0	6,355.5	6,454.5	6,280.7	22.6	19.0	-75.09	576.0	-350.3	338.7	304.8	33.87	9.998		
6,600.0	6,384.0	6,500.0	6,302.5	22.4	18.7	-74.19	536.0	-351.0	340.0	306.7	33.30	10.210		
6,650.0	6,408.4	6,539.0	6,318.4	22.1	18.5	-73.52	500.4	-351.5	341.2	308.3	32.86	10.382		
6,700.0	6,428.5	6,580.9	6,332.5	21.8	18.3	-72.93	460.9	-352.2	342.2	309.7	32.48	10.534		
6,750.0	6,444.1	6,622.7	6,343.3	21.6	18.1	-72.47	420.6	-352.9	343.0	310.8	32.20	10.652		
6,800.0	6,455.1	6,664.3	6,350.8	21.3	17.9	-72.14	379.7	-353.6	343.6	311.6	32.02	10.729		
6,850.0	6,461.4	6,705.8	6,355.0	21.0	17.7	-71.94	338.4	-354.3	343.9	312.0	31.95	10.766		
6,890.6	6,463.0	6,739.8	6,356.0	20.8	17.6	-71.88	304.4	-354.8	344.0	312.0	31.96	10.764		
6,900.0	6,463.0	6,749.2	6,356.0	20.8	17.6	-71.88	295.1	-355.0	344.0	312.1	31.92	10.776		
6,990.6	6,463.0	6,839.8	6,356.0	20.4	17.3	-71.87	204.5	-356.5	343.9	312.2	31.72	10.842		
6,990.6	6,463.0	6,839.8	6,356.0	20.4	17.3	-71.87	204.5	-356.5	343.9	312.2	31.72	10.842		
6,995.6	6,463.0	6,844.8	6,356.0	20.4	17.3	-71.87	199.5	-356.6	343.9	312.2	31.73	10.841		
7,000.0	6,463.0	6,849.2	6,356.0	20.3	17.3	-71.87	195.1	-356.6	343.9	312.2	31.73	10.840		
7,100.0	6,463.0	6,949.2	6,356.0	20.0	17.2	-71.87	95.1	-358.3	343.9	311.9	31.98	10.754		
7,200.0	6,463.0	7,049.2	6,356.0	19.7	17.4	-71.87	-4.9	-360.0	343.8	311.2	32.62	10.540		
7,300.0	6,463.0	7,149.2	6,356.0	19.4	17.9	-71.86	-104.9	-361.6	343.7	310.1	33.65	10.216		
7,400.0	6,463.0	7,249.2	6,356.0	19.5	18.6	-71.86	-204.9	-363.3	343.7	308.6	35.03	9.810		
7,500.0	6,463.0	7,349.2	6,356.0	20.4	19.6	-71.86	-304.8	-365.0	343.6	306.9	36.73	9.354		
7,600.0	6,463.0	7,449.2	6,356.0	21.5	20.7	-71.85	-404.8	-366.7	343.5	304.8	38.71	8.875		
7,700.0	6,463.0	7,549.2	6,356.0	22.8	21.9	-71.85	-504.8	-368.3	343.5	302.5	40.92	8.394		
7,800.0	6,463.0	7,649.2	6,356.0	24.0	23.2	-71.84	-604.8	-370.0	343.4	300.1	43.33	7.926		
7,900.0	6,463.0	7,749.2	6,356.0	25.4	24.6	-71.84	-704.8	-371.7	343.3	297.4	45.90	7.479		
8,000.0	6,463.0	7,849.2	6,356.0	26.8	26.0	-71.84	-804.8	-373.3	343.3	294.6	48.62	7.060		
8,100.0	6,463.0	7,949.2	6,356.0	28.3	27.5	-71.83	-904.8	-375.0	343.2	291.7	51.45	6.670		
8,200.0	6,463.0	8,049.2	6,356.0	29.8	29.1	-71.83	-1,004.7	-376.7	343.1	288.7	54.39	6.309		
8,300.0	6,463.0	8,149.2	6,356.0	31.4	30.7	-71.83	-1,104.7	-378.3	343.1	285.6	57.41	5.976		

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

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte P41-T44-26HNB - Wellbore #1 - P													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)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,400.0	6,463.0	8,249.2	6,356.0	32.9	32.3	-71.82	-1,204.7	-380.0	343.0	282.5	60.50	5.669		
8,500.0	6,463.0	8,349.2	6,356.0	34.6	33.9	-71.82	-1,304.7	-381.7	342.9	279.3	63.65	5.388		
8,600.0	6,463.0	8,449.2	6,356.0	36.2	35.6	-71.81	-1,404.7	-383.3	342.9	276.0	66.85	5.128		
8,700.0	6,463.0	8,549.2	6,356.0	37.9	37.3	-71.81	-1,504.7	-385.0	342.8	272.7	70.10	4.890		
8,800.0	6,463.0	8,649.2	6,356.0	39.5	39.0	-71.81	-1,604.7	-386.7	342.7	269.3	73.39	4.669		
8,900.0	6,463.0	8,749.2	6,356.0	41.3	40.7	-71.80	-1,704.6	-388.3	342.6	265.9	76.72	4.466		
9,000.0	6,463.0	8,849.2	6,356.0	43.0	42.5	-71.80	-1,804.6	-390.0	342.6	262.5	80.07	4.278		
9,100.0	6,463.0	8,949.2	6,356.0	44.7	44.3	-71.80	-1,904.6	-391.7	342.5	259.1	83.45	4.104		
9,200.0	6,463.0	9,049.2	6,356.0	46.5	46.0	-71.79	-2,004.6	-393.3	342.4	255.6	86.86	3.943		
9,300.0	6,463.0	9,149.2	6,356.0	48.2	47.8	-71.79	-2,104.6	-395.0	342.4	252.1	90.28	3.792		
9,400.0	6,463.0	9,249.2	6,356.0	50.0	49.6	-71.79	-2,204.6	-396.7	342.3	248.6	93.72	3.652		
9,500.0	6,463.0	9,349.2	6,356.0	51.8	51.4	-71.78	-2,304.6	-398.4	342.2	245.1	97.18	3.522		
9,600.0	6,463.0	9,449.2	6,356.0	53.6	53.2	-71.78	-2,404.5	-400.0	342.2	241.5	100.65	3.400		
9,700.0	6,463.0	9,549.2	6,356.0	55.4	55.0	-71.77	-2,504.5	-401.7	342.1	238.0	104.14	3.285		
9,800.0	6,463.0	9,649.2	6,356.0	57.2	56.9	-71.77	-2,604.5	-403.4	342.0	234.4	107.64	3.178		
9,900.0	6,463.0	9,749.2	6,356.0	59.0	58.7	-71.77	-2,704.5	-405.0	342.0	230.8	111.15	3.077		
10,000.0	6,463.0	9,849.2	6,356.0	60.8	60.5	-71.76	-2,804.5	-406.7	341.9	227.2	114.67	2.982		
10,100.0	6,463.0	9,949.2	6,356.0	62.6	62.4	-71.76	-2,904.5	-408.4	341.8	223.6	118.19	2.892		
10,200.0	6,463.0	10,049.2	6,356.0	64.4	64.2	-71.76	-3,004.5	-410.0	341.8	220.0	121.73	2.808		
10,300.0	6,463.0	10,149.2	6,356.0	66.3	66.1	-71.75	-3,104.5	-411.7	341.7	216.4	125.27	2.728		
10,400.0	6,463.0	10,249.2	6,356.0	68.1	67.9	-71.75	-3,204.4	-413.4	341.6	212.8	128.82	2.652		
10,500.0	6,463.0	10,349.2	6,356.0	69.9	69.8	-71.74	-3,304.4	-415.0	341.6	209.2	132.38	2.580		
10,600.0	6,463.0	10,449.2	6,356.0	71.8	71.6	-71.74	-3,404.4	-416.7	341.5	205.6	135.94	2.512		
10,700.0	6,463.0	10,549.2	6,356.0	73.6	73.5	-71.74	-3,504.4	-418.4	341.4	201.9	139.51	2.447		
10,800.0	6,463.0	10,649.2	6,356.0	75.5	75.4	-71.73	-3,604.4	-420.0	341.4	198.3	143.08	2.386		
10,900.0	6,463.0	10,749.2	6,356.0	77.3	77.2	-71.73	-3,704.4	-421.7	341.3	194.6	146.66	2.327		
11,000.0	6,463.0	10,849.2	6,356.0	79.2	79.1	-71.73	-3,804.4	-423.4	341.2	191.0	150.24	2.271		
11,061.4	6,463.0	10,910.6	6,356.0	80.3	80.2	-71.72	-3,865.7	-424.4	341.2	188.7	152.44	2.238		
11,084.6	6,463.0	10,928.4	6,356.0	80.8	80.6	-71.72	-3,883.5	-424.7	341.2	188.0	153.17	2.228 SF		

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte U41-Y44-26HNB - Wellbore #1 - P													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	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	1.0	1.0	0.0	0.0	0.00	58.3	0.0	58.3	58.3	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	0.00	58.3	0.0	58.3	58.1	0.23	256.821		
200.0	200.0	201.0	201.0	0.3	0.3	0.00	58.3	0.0	58.3	57.6	0.68	86.176		
300.0	300.0	301.0	301.0	0.6	0.6	0.00	58.3	0.0	58.3	57.2	1.13	51.774		
366.3	366.3	367.3	367.3	0.7	0.7	0.00	58.3	0.0	58.3	56.9	1.42	40.935 CC		
400.0	400.0	401.0	401.0	0.8	0.8	0.00	58.3	0.0	58.3	56.7	1.58	37.004 ES		
500.0	500.0	500.0	500.0	1.0	1.0	0.61	59.9	0.6	59.9	57.9	2.02	29.626		
600.0	600.0	597.0	596.8	1.2	1.2	2.20	64.6	2.5	64.8	62.3	2.47	26.216		
700.0	700.0	694.4	693.9	1.5	1.5	4.39	72.4	5.6	72.9	70.0	2.92	24.934		
800.0	800.0	791.1	789.9	1.7	1.7	6.72	83.1	9.8	84.4	81.0	3.38	24.944		
900.0	900.0	887.0	884.7	1.9	2.0	8.92	96.7	15.2	99.2	95.4	3.85	25.760		
1,000.0	1,000.0	985.6	981.8	2.1	2.3	10.74	112.2	21.3	115.7	111.4	4.33	26.709		
1,100.0	1,100.0	1,084.3	1,079.1	2.4	2.7	51.49	127.6	27.4	131.3	126.5	4.76	27.563		
1,200.0	1,199.8	1,183.2	1,176.6	2.6	3.0	53.93	143.1	33.5	144.8	139.6	5.22	27.768		
1,300.0	1,299.5	1,282.1	1,274.1	2.8	3.4	56.99	158.6	39.6	156.8	151.1	5.68	27.604		
1,400.0	1,398.7	1,380.9	1,371.5	3.1	3.7	60.62	174.1	45.7	167.4	161.3	6.16	27.173		
1,500.0	1,497.5	1,479.5	1,468.7	3.3	4.1	64.79	189.5	51.8	177.2	170.6	6.68	26.543		
1,600.0	1,595.6	1,577.9	1,565.7	3.6	4.5	69.45	204.9	57.9	186.7	179.5	7.25	25.768		
1,700.0	1,693.1	1,675.8	1,662.2	4.0	4.8	74.55	220.3	64.0	196.5	188.6	7.89	24.912		
1,738.2	1,730.1	1,713.0	1,698.9	4.2	5.0	76.59	226.1	66.3	200.4	192.3	8.15	24.578		
1,800.0	1,789.8	1,773.3	1,758.2	4.4	5.2	79.95	235.5	70.0	207.3	198.7	8.61	24.079		
1,900.0	1,886.5	1,870.7	1,854.3	4.8	5.5	84.93	250.8	76.0	219.8	210.4	9.38	23.441		
2,000.0	1,983.2	1,968.1	1,950.3	5.3	5.9	89.37	266.1	82.1	233.9	223.7	10.18	22.981		
2,100.0	2,079.9	2,065.5	2,046.3	5.8	6.3	93.29	281.3	88.1	249.2	238.2	10.99	22.667		
2,200.0	2,176.6	2,163.0	2,142.4	6.2	6.6	96.76	296.6	94.1	265.5	253.7	11.82	22.467		
2,300.0	2,273.3	2,260.4	2,238.4	6.7	7.0	99.82	311.9	100.2	282.7	270.0	12.64	22.355		
2,400.0	2,370.0	2,357.8	2,334.4	7.2	7.4	102.54	327.1	106.2	300.6	287.1	13.47	22.309		
2,500.0	2,466.7	2,455.2	2,430.5	7.7	7.7	104.95	342.4	112.2	319.0	304.7	14.30	22.314		
2,600.0	2,563.4	2,552.7	2,526.5	8.2	8.1	107.10	357.7	118.2	338.0	322.9	15.12	22.355		
2,700.0	2,660.1	2,650.1	2,622.5	8.7	8.5	109.01	372.9	124.3	357.4	341.5	15.94	22.423		
2,800.0	2,756.8	2,747.5	2,718.6	9.2	8.9	110.74	388.2	130.3	377.1	360.4	16.75	22.510		
2,900.0	2,853.5	2,844.9	2,814.6	9.8	9.2	112.29	403.4	136.3	397.2	379.6	17.57	22.611		
3,000.0	2,950.2	2,942.4	2,910.6	10.3	9.6	113.69	418.7	142.4	417.5	399.1	18.37	22.722		
3,100.0	3,046.9	3,039.8	3,006.7	10.8	10.0	114.97	434.0	148.4	438.0	418.8	19.18	22.838		
3,200.0	3,143.6	3,137.2	3,102.7	11.3	10.3	116.13	449.2	154.4	458.7	438.7	19.98	22.958		
3,300.0	3,240.3	3,234.6	3,198.7	11.8	10.7	117.19	464.5	160.4	479.6	458.8	20.78	23.080		
3,400.0	3,337.0	3,332.1	3,294.8	12.4	11.1	118.16	479.8	166.5	500.6	479.0	21.58	23.202		
3,500.0	3,433.7	3,429.5	3,390.8	12.9	11.5	119.05	495.0	172.5	521.8	499.4	22.37	23.323		
3,600.0	3,530.4	3,526.9	3,486.8	13.4	11.8	119.88	510.3	178.5	543.0	519.8	23.16	23.443		
3,700.0	3,627.1	3,624.3	3,582.9	13.9	12.2	120.64	525.5	184.6	564.4	540.4	23.95	23.561		
3,800.0	3,723.8	3,721.8	3,678.9	14.5	12.6	121.35	540.8	190.6	585.8	561.1	24.74	23.677		
3,900.0	3,820.5	3,819.2	3,774.9	15.0	12.9	122.01	556.1	196.6	607.3	581.8	25.53	23.790		
4,000.0	3,917.2	3,916.6	3,871.0	15.5	13.3	122.62	571.3	202.6	628.9	602.6	26.32	23.900		
4,100.0	4,013.9	4,014.0	3,967.0	16.0	13.7	123.19	586.6	208.7	650.6	623.5	27.10	24.007		
4,200.0	4,110.6	4,111.5	4,063.0	16.6	14.0	123.73	601.9	214.7	672.3	644.4	27.88	24.111		
4,300.0	4,207.3	4,208.9	4,159.1	17.1	14.4	124.23	617.1	220.7	694.1	665.4	28.67	24.212		
4,400.0	4,304.0	4,306.3	4,255.1	17.6	14.8	124.70	632.4	226.8	715.9	686.5	29.45	24.310		
4,500.0	4,400.7	4,403.7	4,351.1	18.2	15.2	125.14	647.6	232.8	737.8	707.6	30.23	24.405		
4,600.0	4,497.4	4,501.2	4,447.2	18.7	15.5	125.56	662.9	238.8	759.7	728.7	31.01	24.498		
4,700.0	4,594.1	4,598.6	4,543.2	19.2	15.9	125.96	678.2	244.8	781.6	749.8	31.79	24.587		
4,800.0	4,690.8	4,696.0	4,639.2	19.8	16.3	126.33	693.4	250.9	803.6	771.0	32.57	24.673		

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

Offset Design													Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
4,900.0	4,787.5	4,793.4	4,735.3	20.3	16.7	126.68	708.7	256.9	825.6	792.3	33.35	24.757			
5,000.0	4,884.2	4,890.9	4,831.3	20.8	17.0	127.02	724.0	262.9	847.7	813.5	34.13	24.838			
5,100.0	4,980.9	4,988.3	4,927.3	21.4	17.4	127.34	739.2	269.0	869.7	834.8	34.90	24.917			
5,192.1	5,069.9	5,078.0	5,015.8	21.9	17.7	127.62	753.3	274.5	890.1	854.4	35.62	24.987			
5,200.0	5,077.6	5,085.7	5,023.4	21.9	17.8	127.67	754.5	275.0	891.8	856.1	35.68	24.992			
5,300.0	5,174.8	5,183.5	5,119.7	22.3	18.1	128.19	769.8	281.0	912.7	876.3	36.41	25.064			
5,400.0	5,272.7	5,281.7	5,216.5	22.6	18.5	128.50	785.2	287.1	931.5	894.3	37.12	25.091			
5,500.0	5,371.3	5,393.7	5,327.3	22.9	18.8	128.69	800.8	293.3	947.4	909.7	37.75	25.099			
5,600.0	5,470.4	5,506.6	5,439.5	23.2	19.1	128.88	812.4	297.8	959.8	921.5	38.28	25.075			
5,700.0	5,569.9	5,620.2	5,552.8	23.4	19.3	129.09	819.9	300.8	968.6	929.8	38.71	25.019			
5,800.0	5,669.7	5,734.1	5,666.6	23.6	19.5	129.30	823.2	302.1	973.7	934.6	39.06	24.930			
5,900.0	5,769.7	5,838.1	5,770.7	23.7	19.6	129.45	823.4	302.2	975.5	936.2	39.32	24.807			
5,930.3	5,800.0	5,868.5	5,801.0	23.8	19.7	90.43	823.4	302.2	975.6	936.1	39.48	24.713			
6,000.0	5,869.7	5,938.7	5,871.2	23.8	19.8	90.50	822.2	302.2	975.6	936.0	39.64	24.614			
6,058.9	5,928.5	5,997.5	5,929.5	23.9	19.8	90.92	815.0	302.1	975.6	935.9	39.68	24.590			
6,072.4	5,942.1	6,010.8	5,942.6	23.9	19.7	91.07	812.4	302.0	975.6	935.9	39.67	24.596			
6,100.0	5,969.7	6,037.5	5,968.6	23.9	19.7	-89.52	806.3	301.9	975.6	936.1	39.55	24.671			
6,150.0	6,019.4	6,085.3	6,014.2	23.9	19.6	-88.94	792.0	301.7	975.8	936.4	39.40	24.767			
6,200.0	6,068.4	6,132.2	6,057.5	23.9	19.5	-88.37	774.0	301.4	976.0	936.8	39.16	24.923			
6,250.0	6,116.3	6,178.4	6,098.4	23.8	19.3	-87.83	752.6	301.1	976.3	937.5	38.84	25.134			
6,300.0	6,162.5	6,223.9	6,136.6	23.7	19.1	-87.30	728.0	300.7	976.7	938.2	38.46	25.394			
6,350.0	6,206.7	6,268.8	6,172.1	23.5	18.9	-86.80	700.6	300.2	977.1	939.1	38.02	25.697			
6,400.0	6,248.5	6,313.1	6,204.7	23.3	18.7	-86.32	670.6	299.7	977.6	940.1	37.55	26.038			
6,450.0	6,287.5	6,356.8	6,234.3	23.1	18.5	-85.88	638.3	299.2	978.1	941.1	37.04	26.407			
6,500.0	6,323.3	6,400.0	6,260.7	22.9	18.3	-85.48	604.2	298.7	978.7	942.1	36.52	26.796			
6,550.0	6,355.5	6,443.1	6,284.2	22.6	18.0	-85.10	568.1	298.1	979.2	943.2	36.01	27.195			
6,600.0	6,384.0	6,485.7	6,304.4	22.4	17.8	-84.77	530.6	297.5	979.7	944.2	35.51	27.590			
6,650.0	6,408.4	6,528.0	6,321.4	22.1	17.6	-84.48	491.9	296.8	980.1	945.1	35.04	27.971			
6,700.0	6,428.5	6,570.0	6,335.0	21.8	17.4	-84.24	452.2	296.2	980.5	945.9	34.62	28.324			
6,750.0	6,444.1	6,611.8	6,345.4	21.6	17.2	-84.04	411.7	295.6	980.8	946.6	34.25	28.639			
6,800.0	6,455.1	6,650.0	6,352.1	21.3	17.0	-83.90	374.1	294.9	981.1	947.2	33.95	28.897			
6,850.0	6,461.4	6,695.1	6,356.3	21.0	16.8	-83.79	329.3	294.2	981.3	947.6	33.71	29.106			
6,890.6	6,463.0	6,730.2	6,357.0	20.8	16.7	-83.74	294.1	293.7	981.4	947.8	33.59	29.218			
6,900.0	6,463.0	6,739.6	6,357.0	20.8	16.7	-83.74	284.8	293.5	981.3	947.8	33.56	29.240			
6,990.6	6,463.0	6,830.2	6,357.0	20.4	16.6	-83.74	194.2	292.0	981.3	947.9	33.46	29.331			
6,990.6	6,463.0	6,830.2	6,357.0	20.4	16.6	-83.74	194.2	292.0	981.3	947.9	33.46	29.331			
6,995.6	6,463.0	6,835.2	6,357.0	20.4	16.6	-83.74	189.2	292.0	981.3	947.9	33.46	29.324			
7,000.0	6,463.0	6,839.6	6,357.0	20.3	16.6	-83.74	184.8	291.9	981.3	947.9	33.47	29.318			
7,100.0	6,463.0	6,939.6	6,357.0	20.0	16.7	-83.74	84.8	290.3	981.3	947.5	33.83	29.009			
7,200.0	6,463.0	7,039.6	6,357.0	19.7	17.0	-83.74	-15.2	288.7	981.3	946.7	34.59	28.373			
7,300.0	6,463.0	7,139.6	6,357.0	19.4	17.7	-83.74	-115.2	287.0	981.3	945.5	35.74	27.456			
7,400.0	6,463.0	7,239.6	6,357.0	19.5	18.6	-83.74	-215.2	285.4	981.3	944.0	37.25	26.345			
7,500.0	6,463.0	7,339.6	6,357.0	20.4	19.6	-83.74	-315.1	283.8	981.2	942.2	39.07	25.116			
7,600.0	6,463.0	7,439.6	6,357.0	21.5	20.7	-83.74	-415.1	282.2	981.2	940.1	41.16	23.838			
7,700.0	6,463.0	7,539.6	6,357.0	22.8	21.9	-83.74	-515.1	280.6	981.2	937.7	43.49	22.561			
7,800.0	6,463.0	7,639.6	6,357.0	24.0	23.3	-83.74	-615.1	279.0	981.2	935.2	46.02	21.322			
7,900.0	6,463.0	7,739.6	6,357.0	25.4	24.7	-83.74	-715.1	277.4	981.2	932.5	48.71	20.142			
8,000.0	6,463.0	7,839.6	6,357.0	26.8	26.1	-83.74	-815.1	275.7	981.2	929.6	51.55	19.033			
8,100.0	6,463.0	7,939.6	6,357.0	28.3	27.7	-83.74	-915.1	274.1	981.1	926.6	54.51	18.001			
8,200.0	6,463.0	8,039.6	6,357.0	29.8	29.2	-83.74	-1,015.1	272.5	981.1	923.6	57.56	17.045			
8,300.0	6,463.0	8,139.6	6,357.0	31.4	30.8	-83.74	-1,115.0	270.9	981.1	920.4	60.70	16.162			

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation
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Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte U-Y-26HNC - Wellbore #1 - Plan #													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	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	1.0	1.0	0.0	0.0	0.00	40.1	0.0	40.1	40.1	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	0.00	40.1	0.0	40.1	39.8	0.23	176.528		
200.0	200.0	201.0	201.0	0.3	0.3	0.00	40.1	0.0	40.1	39.4	0.68	59.233		
300.0	300.0	301.0	301.0	0.6	0.6	0.00	40.1	0.0	40.1	38.9	1.13	35.587		
400.0	400.0	401.0	401.0	0.8	0.8	0.00	40.1	0.0	40.1	38.5	1.58	25.434		
500.0	500.0	501.0	501.0	1.0	1.0	0.00	40.1	0.0	40.1	38.0	2.03	19.788		
566.3	566.3	567.3	567.3	1.2	1.2	0.00	40.1	0.0	40.1	37.8	2.32	17.249 CC		
600.0	600.0	601.0	601.0	1.2	1.2	0.00	40.1	0.0	40.1	37.6	2.47	16.194 ES		
700.0	700.0	700.0	700.0	1.5	1.5	1.51	41.4	1.1	41.5	38.5	2.92	14.199		
800.0	800.0	798.5	798.4	1.7	1.7	5.42	45.4	4.3	45.7	42.3	3.37	13.578 SF		
900.0	900.0	896.7	896.2	1.9	1.9	10.48	52.0	9.6	53.1	49.3	3.82	13.925		
1,000.0	1,000.0	994.2	992.9	2.1	2.2	15.52	61.2	17.0	64.0	59.7	4.27	14.992		
1,100.0	1,100.0	1,090.8	1,088.4	2.4	2.4	59.76	72.7	26.3	77.5	72.8	4.73	16.376		
1,200.0	1,199.8	1,186.3	1,182.3	2.6	2.8	65.63	86.6	37.5	93.3	88.1	5.18	17.990		
1,300.0	1,299.5	1,283.1	1,276.8	2.8	3.1	71.56	102.6	50.4	111.2	105.5	5.65	19.690		
1,400.0	1,398.7	1,380.6	1,372.1	3.1	3.5	77.24	118.8	63.4	129.5	123.3	6.12	21.139		
1,500.0	1,497.5	1,477.8	1,467.0	3.3	3.9	82.71	135.0	76.4	148.4	141.7	6.64	22.349		
1,600.0	1,595.6	1,574.5	1,561.5	3.6	4.3	87.98	151.1	89.4	168.3	161.1	7.20	23.365		
1,700.0	1,693.1	1,670.7	1,655.5	4.0	4.7	93.04	167.1	102.3	189.7	181.8	7.83	24.228		
1,738.2	1,730.1	1,707.3	1,691.2	4.2	4.9	94.91	173.1	107.2	198.3	190.2	8.08	24.528		
1,800.0	1,789.8	1,766.4	1,749.0	4.4	5.1	97.97	183.0	115.1	212.8	204.3	8.52	24.982		
1,900.0	1,886.5	1,862.0	1,842.4	4.8	5.5	102.14	198.9	127.9	237.3	228.0	9.24	25.675		
2,000.0	1,983.2	1,957.6	1,935.8	5.3	5.9	105.53	214.8	140.7	262.7	252.8	9.99	26.307		
2,100.0	2,079.9	2,053.2	2,029.2	5.8	6.4	108.33	230.7	153.5	289.0	278.2	10.75	26.882		
2,200.0	2,176.6	2,148.8	2,122.6	6.2	6.8	110.67	246.6	166.3	315.7	304.2	11.52	27.404		
2,300.0	2,273.3	2,244.5	2,216.0	6.7	7.2	112.64	262.5	179.1	342.9	330.6	12.30	27.877		
2,400.0	2,370.0	2,340.1	2,309.4	7.2	7.6	114.32	278.4	191.9	370.4	357.3	13.08	28.308		
2,500.0	2,466.7	2,435.7	2,402.8	7.7	8.1	115.78	294.3	204.7	398.1	384.2	13.87	28.700		
2,600.0	2,563.4	2,531.3	2,496.2	8.2	8.5	117.04	310.1	217.5	426.1	411.4	14.66	29.059		
2,700.0	2,660.1	2,626.9	2,589.6	8.7	8.9	118.15	326.0	230.3	454.2	438.7	15.46	29.387		
2,800.0	2,756.8	2,722.5	2,683.0	9.2	9.4	119.13	341.9	243.1	482.5	466.2	16.25	29.688		
2,900.0	2,853.5	2,818.1	2,776.5	9.8	9.8	120.00	357.8	255.9	510.8	493.8	17.05	29.965		
3,000.0	2,950.2	2,913.7	2,869.9	10.3	10.2	120.78	373.7	268.7	539.3	521.5	17.85	30.221		
3,100.0	3,046.9	3,009.3	2,963.3	10.8	10.6	121.49	389.6	281.5	567.9	549.2	18.64	30.458		
3,200.0	3,143.6	3,105.0	3,056.7	11.3	11.1	122.12	405.5	294.3	596.5	577.1	19.44	30.678		
3,300.0	3,240.3	3,200.6	3,150.1	11.8	11.5	122.70	421.4	307.1	625.2	605.0	20.25	30.882		
3,400.0	3,337.0	3,296.2	3,243.5	12.4	11.9	123.23	437.3	319.9	654.0	632.9	21.05	31.072		
3,500.0	3,433.7	3,391.8	3,336.9	12.9	12.4	123.71	453.2	332.7	682.8	660.9	21.85	31.249		
3,600.0	3,530.4	3,487.4	3,430.3	13.4	12.8	124.15	469.1	345.5	711.6	688.9	22.65	31.416		
3,700.0	3,627.1	3,583.0	3,523.7	13.9	13.2	124.56	485.0	358.3	740.5	717.0	23.45	31.571		
3,800.0	3,723.8	3,678.6	3,617.1	14.5	13.7	124.94	500.9	371.1	769.4	745.1	24.26	31.718		
3,900.0	3,820.5	3,774.2	3,710.5	15.0	14.1	125.29	516.8	383.9	798.3	773.2	25.06	31.855		
4,000.0	3,917.2	3,869.9	3,803.9	15.5	14.6	125.62	532.7	396.7	827.3	801.4	25.86	31.985		
4,100.0	4,013.9	3,965.5	3,897.4	16.0	15.0	125.92	548.6	409.5	856.2	829.6	26.67	32.107		
4,200.0	4,110.6	4,061.1	3,990.8	16.6	15.4	126.21	564.5	422.3	885.2	857.8	27.47	32.222		
4,300.0	4,207.3	4,156.7	4,084.2	17.1	15.9	126.48	580.4	435.1	914.3	886.0	28.28	32.332		
4,400.0	4,304.0	4,252.3	4,177.6	17.6	16.3	126.73	596.3	447.9	943.3	914.2	29.08	32.435		
4,500.0	4,400.7	4,347.9	4,271.0	18.2	16.7	126.96	612.2	460.7	972.4	942.5	29.89	32.534		

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4577.0ft (RKB - 15')

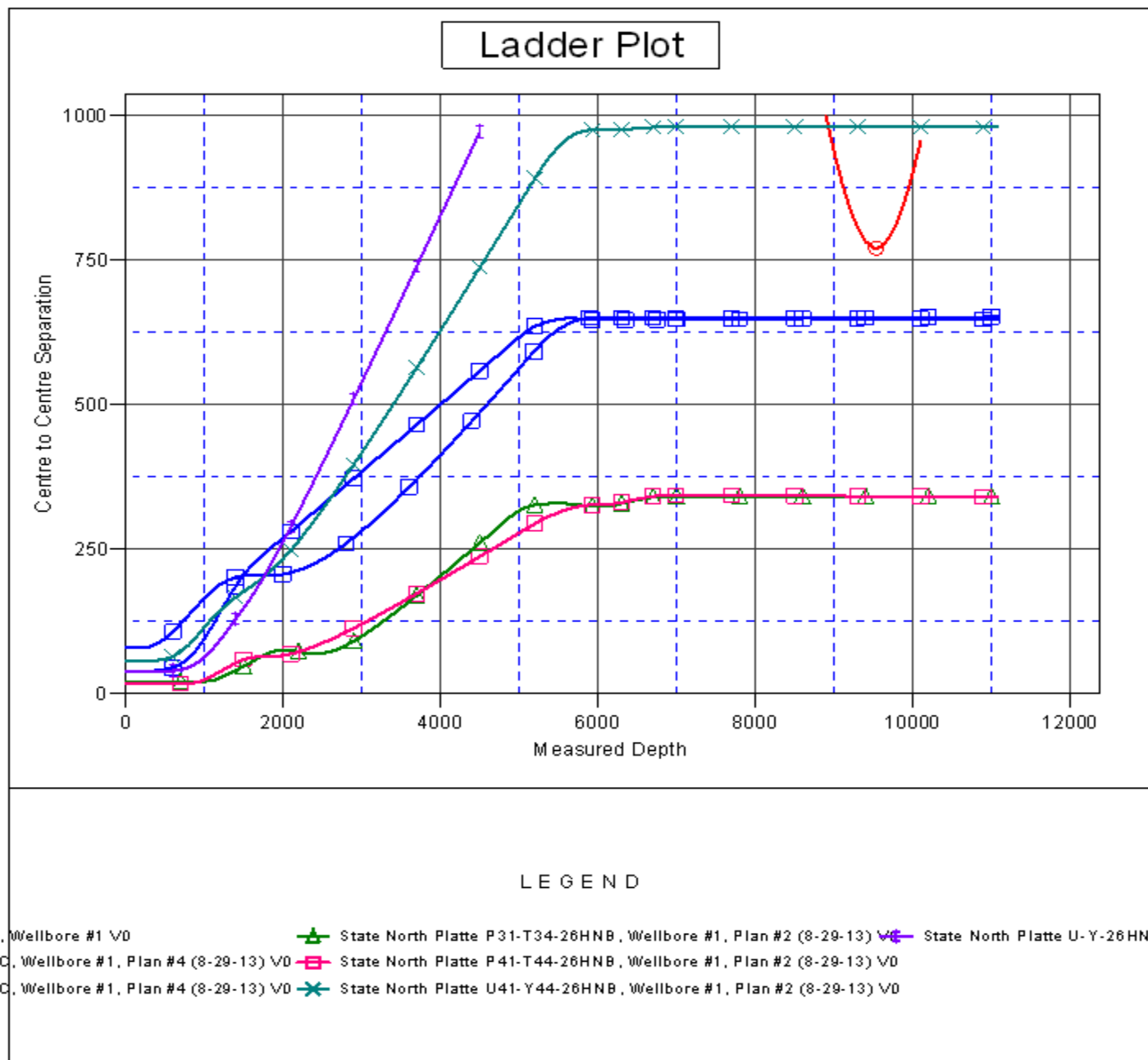
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: State North Platte P-T-26HNC

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.71°



Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte P-T-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4577.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4577.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte P-T-26HNC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #2 (8-29-13)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4577.0ft (RKB - 15')

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: State North Platte P-T-26HNC

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.71°

