

BONANZA CREEK ENERGY OPERATING

Well Name: **State North Platte 24-21-26HNC**

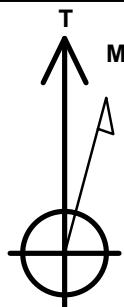
Surface Location: State North Platte 24-21-26HNB Sec.26-T5N-R63W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4551.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1377570.60	3305752.65	40.364640	-104.402730	
RKB-15' WELL @ 4566.0ft (RKB-15')						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 539'FSL, 2463'FEL	1.0	0.0	0.0	Point
BHL 470'FNL & 2122'FWL	6421.0	4204.2	-585.1	Point
LANDING PT. 531'FSL & 2129'FWL	6421.0	-7.2	-632.6	Point



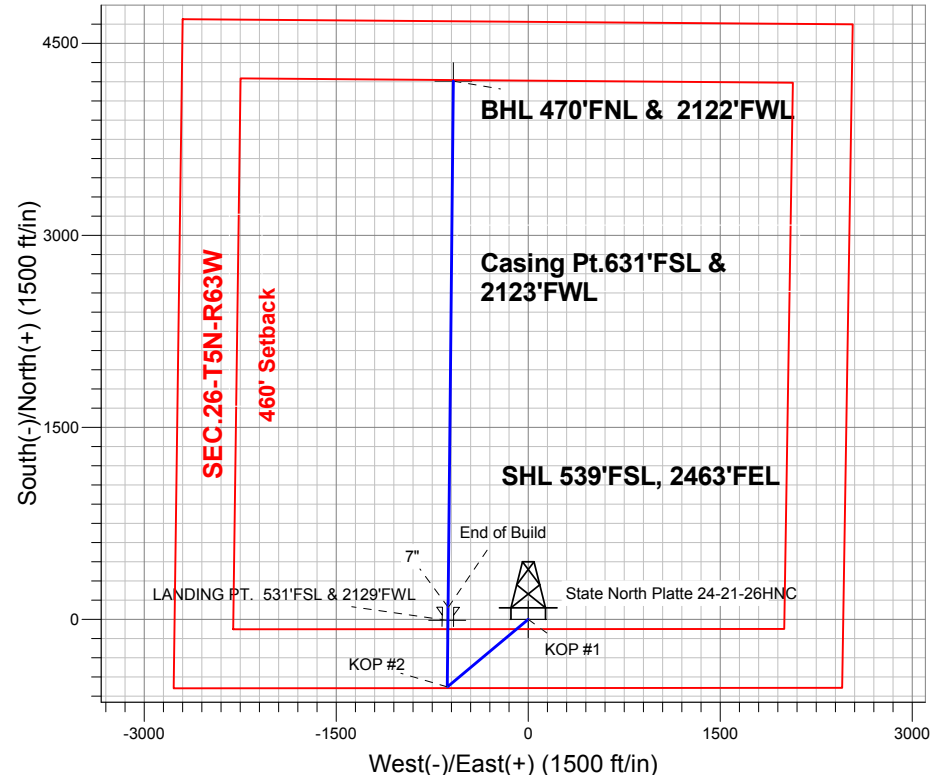
Azimuths to True North
Magnetic North: 8.39°

Magnetic Field
Strength: 52935.0snT
Dip Angle: 67.01°
Date: 7/10/2013
Model: IGRF2010

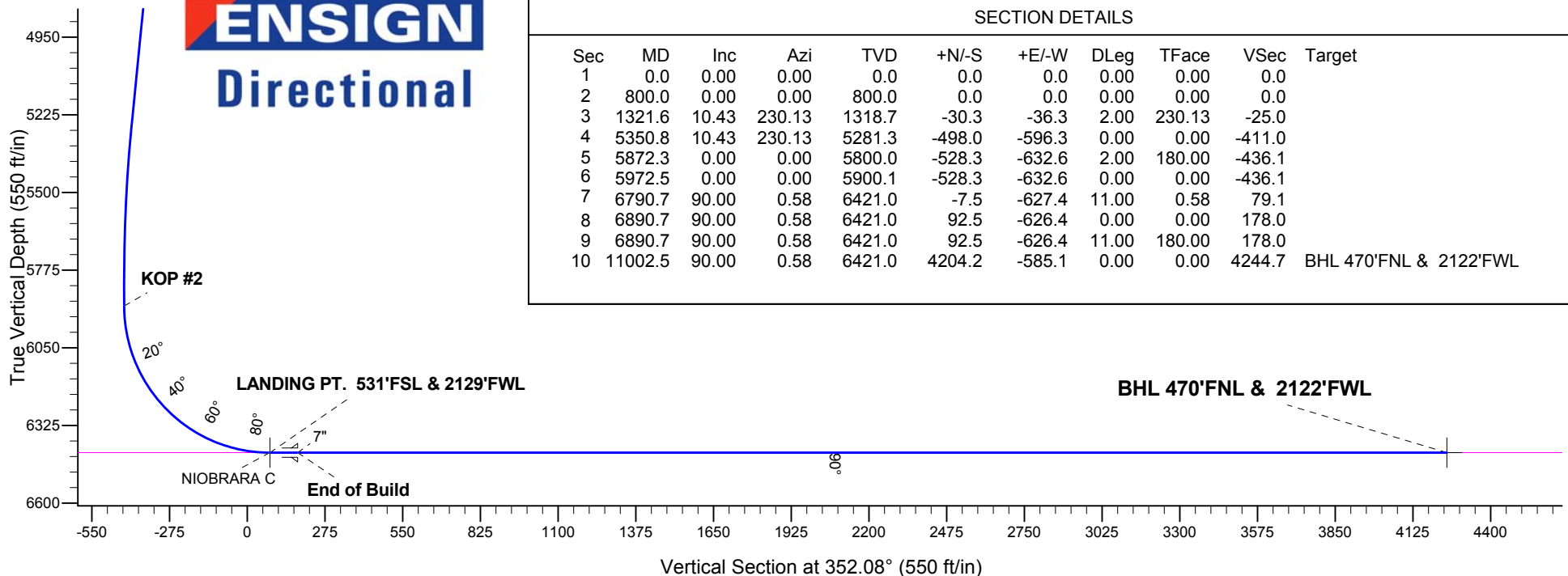
State North Platte 24-21-26HNB Sec.26-T5N-R63W
State North Platte 24-21-26HNC
Plan #2 (7-10-13)
14:02, July 10 2013

ANNOTATIONS

TVD	MD	Annotation
800.0	800.0	KOP #1
5900.1	5972.5	KOP #2
6421.0	6890.7	End of Build



ENSIGN
Directional



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	800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.0	
3	1321.6	10.43	230.13	1318.7	-30.3	-36.3	2.00	230.13	-25.0	
4	5350.8	10.43	230.13	5281.3	-498.0	-596.3	0.00	0.00	-411.0	
5	5872.3	0.00	0.00	5800.0	-528.3	-632.6	2.00	180.00	-436.1	
6	5972.5	0.00	0.00	5900.1	-528.3	-632.6	0.00	0.00	-436.1	
7	6790.7	90.00	0.58	6421.0	-7.5	-627.4	11.00	0.58	79.1	
8	6890.7	90.00	0.58	6421.0	92.5	-626.4	0.00	0.00	178.0	
9	6890.7	90.00	0.58	6421.0	92.5	-626.4	11.00	180.00	178.0	
10	11002.5	90.00	0.58	6421.0	4204.2	-585.1	0.00	0.00	4244.7	BHL 470'FNL & 2122'FWL



Directional

BONANZA CREEK ENERGY OPERATING

SEC.26-T5N-R63W

State North Platte 24-21-26HNB Sec.26-T5N-R63W

State North Platte 24-21-26HNC

Wellbore #1

Plan: Plan #2 (7-10-13)

Standard Planning Report

11 July, 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	
800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,321.6	10.43	230.13	1,318.7	-30.3	-36.3	2.00	2.00	0.00	230.13	
5,350.8	10.43	230.13	5,281.3	-498.0	-596.3	0.00	0.00	0.00	0.00	
5,872.3	0.00	0.00	5,800.0	-528.3	-632.6	2.00	-2.00	0.00	180.00	
5,972.5	0.00	0.00	5,900.1	-528.3	-632.6	0.00	0.00	0.00	0.00	
6,790.7	90.00	0.58	6,421.0	-7.5	-627.4	11.00	11.00	0.00	0.58	
6,890.7	90.00	0.58	6,421.0	92.5	-626.4	0.00	0.00	0.00	0.00	
6,890.7	90.00	0.58	6,421.0	92.5	-626.4	11.00	11.00	0.00	180.00	
11,002.5	90.00	0.58	6,421.0	4,204.2	-585.1	0.00	0.00	0.00	0.00	BHL 470°FNL & 21

Database:	Landmark	Local Co-ordinate Reference:	Well State North Platte 24-21-26HNC
Company:	BONANZA CREEK ENERGY OPERATING	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Project:	SEC.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site:	State North Platte 24-21-26HNC	North Reference:	True
Well:	Sec.26-T5N-R63W	Survey Calculation Method:	Minimum Curvature
Wellbore:	State North Platte 24-21-26HNC		
Design:	Wellbore #1		
	Plan #2 (7-10-13)		

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
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 539'FSL, 2463'FEL									
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
KOP #1									
900.0	2.00	230.13	900.0	-1.1	-1.3	-0.9	2.00	2.00	0.00
1,000.0	4.00	230.13	999.8	-4.5	-5.4	-3.7	2.00	2.00	0.00
1,100.0	6.00	230.13	1,099.5	-10.1	-12.0	-8.3	2.00	2.00	0.00
1,200.0	8.00	230.13	1,198.7	-17.9	-21.4	-14.8	2.00	2.00	0.00
1,300.0	10.00	230.13	1,297.5	-27.9	-33.4	-23.0	2.00	2.00	0.00
1,321.6	10.43	230.13	1,318.7	-30.3	-36.3	-25.0	2.00	2.00	0.00
1,400.0	10.43	230.13	1,395.8	-39.5	-47.2	-32.6	0.00	0.00	0.00
1,500.0	10.43	230.13	1,494.2	-51.1	-61.1	-42.1	0.00	0.00	0.00
1,600.0	10.43	230.13	1,592.5	-62.7	-75.0	-51.7	0.00	0.00	0.00
1,700.0	10.43	230.13	1,690.9	-74.3	-88.9	-61.3	0.00	0.00	0.00
1,800.0	10.43	230.13	1,789.2	-85.9	-102.8	-70.9	0.00	0.00	0.00
1,900.0	10.43	230.13	1,887.6	-97.5	-116.7	-80.5	0.00	0.00	0.00
2,000.0	10.43	230.13	1,985.9	-109.1	-130.6	-90.0	0.00	0.00	0.00
2,100.0	10.43	230.13	2,084.3	-120.7	-144.5	-99.6	0.00	0.00	0.00
2,200.0	10.43	230.13	2,182.6	-132.3	-158.4	-109.2	0.00	0.00	0.00
2,300.0	10.43	230.13	2,281.0	-143.9	-172.3	-118.8	0.00	0.00	0.00
2,400.0	10.43	230.13	2,379.3	-155.5	-186.2	-128.4	0.00	0.00	0.00
2,500.0	10.43	230.13	2,477.6	-167.1	-200.1	-137.9	0.00	0.00	0.00
2,600.0	10.43	230.13	2,576.0	-178.7	-214.0	-147.5	0.00	0.00	0.00
2,700.0	10.43	230.13	2,674.3	-190.3	-227.9	-157.1	0.00	0.00	0.00
2,800.0	10.43	230.13	2,772.7	-201.9	-241.8	-166.7	0.00	0.00	0.00
2,900.0	10.43	230.13	2,871.0	-213.5	-255.7	-176.2	0.00	0.00	0.00
3,000.0	10.43	230.13	2,969.4	-225.1	-269.6	-185.8	0.00	0.00	0.00
3,100.0	10.43	230.13	3,067.7	-236.7	-283.5	-195.4	0.00	0.00	0.00
3,200.0	10.43	230.13	3,166.1	-248.3	-297.4	-205.0	0.00	0.00	0.00
3,300.0	10.43	230.13	3,264.4	-260.0	-311.3	-214.6	0.00	0.00	0.00
3,400.0	10.43	230.13	3,362.8	-271.6	-325.2	-224.1	0.00	0.00	0.00
3,500.0	10.43	230.13	3,461.1	-283.2	-339.1	-233.7	0.00	0.00	0.00
3,600.0	10.43	230.13	3,559.5	-294.8	-353.0	-243.3	0.00	0.00	0.00
3,700.0	10.43	230.13	3,657.8	-306.4	-366.9	-252.9	0.00	0.00	0.00
3,800.0	10.43	230.13	3,756.2	-318.0	-380.8	-262.5	0.00	0.00	0.00
3,900.0	10.43	230.13	3,854.5	-329.6	-394.7	-272.0	0.00	0.00	0.00
4,000.0	10.43	230.13	3,952.9	-341.2	-408.5	-281.6	0.00	0.00	0.00
4,100.0	10.43	230.13	4,051.2	-352.8	-422.4	-291.2	0.00	0.00	0.00
4,200.0	10.43	230.13	4,149.6	-364.4	-436.3	-300.8	0.00	0.00	0.00
4,300.0	10.43	230.13	4,247.9	-376.0	-450.2	-310.4	0.00	0.00	0.00
4,400.0	10.43	230.13	4,346.2	-387.6	-464.1	-319.9	0.00	0.00	0.00
4,500.0	10.43	230.13	4,444.6	-399.2	-478.0	-329.5	0.00	0.00	0.00
4,600.0	10.43	230.13	4,542.9	-410.8	-491.9	-339.1	0.00	0.00	0.00
4,700.0	10.43	230.13	4,641.3	-422.4	-505.8	-348.7	0.00	0.00	0.00
4,800.0	10.43	230.13	4,739.6	-434.0	-519.7	-358.2	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well State North Platte 24-21-26HNC
Company:	BONANZA CREEK ENERGY OPERATING	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Project:	SEC.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site:	State North Platte 24-21-26HNC	North Reference:	True
	Sec.26-T5N-R63W		
Well:	State North Platte 24-21-26HNC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (7-10-13)		

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)
4,900.0	10.43	230.13	4,838.0	-445.6	-533.6	-367.8	0.00	0.00	0.00
5,000.0	10.43	230.13	4,936.3	-457.2	-547.5	-377.4	0.00	0.00	0.00
5,100.0	10.43	230.13	5,034.7	-468.8	-561.4	-387.0	0.00	0.00	0.00
5,200.0	10.43	230.13	5,133.0	-480.5	-575.3	-396.6	0.00	0.00	0.00
5,300.0	10.43	230.13	5,231.4	-492.1	-589.2	-406.1	0.00	0.00	0.00
5,350.8	10.43	230.13	5,281.3	-498.0	-596.3	-411.0	0.00	0.00	0.00
5,400.0	9.45	230.13	5,329.8	-503.4	-602.8	-415.5	2.00	-2.00	0.00
5,500.0	7.45	230.13	5,428.7	-512.8	-614.1	-423.3	2.00	-2.00	0.00
5,600.0	5.45	230.13	5,528.1	-520.0	-622.7	-429.2	2.00	-2.00	0.00
5,700.0	3.45	230.13	5,627.8	-525.0	-628.6	-433.3	2.00	-2.00	0.00
5,800.0	1.45	230.13	5,727.7	-527.7	-631.9	-435.6	2.00	-2.00	0.00
5,872.3	0.00	0.00	5,800.0	-528.3	-632.6	-436.1	2.00	-2.00	0.00
5,900.0	0.00	0.00	5,827.7	-528.3	-632.6	-436.1	0.00	0.00	0.00
5,972.5	0.00	0.00	5,900.2	-528.3	-632.6	-436.1	0.00	0.00	0.00
KOP #2									
6,000.0	3.03	0.58	5,927.6	-527.6	-632.6	-435.3	11.01	11.01	0.00
6,100.0	14.03	0.58	6,026.4	-512.8	-632.4	-420.7	11.00	11.00	0.00
6,200.0	25.03	0.58	6,120.5	-479.4	-632.1	-387.7	11.00	11.00	0.00
6,300.0	36.03	0.58	6,206.5	-428.7	-631.6	-337.5	11.00	11.00	0.00
6,400.0	47.03	0.58	6,281.2	-362.5	-630.9	-272.1	11.00	11.00	0.00
6,500.0	58.03	0.58	6,342.0	-283.2	-630.1	-193.7	11.00	11.00	0.00
6,600.0	69.03	0.58	6,386.5	-193.9	-629.2	-105.3	11.00	11.00	0.00
6,700.0	80.03	0.58	6,413.1	-97.6	-628.3	-10.1	11.00	11.00	0.00
6,790.7	90.00	0.58	6,421.0	-7.5	-627.4	79.1	11.00	11.00	0.00
NIOBRARA C									
6,790.8	90.00	0.58	6,421.0	-7.3	-627.4	79.2	0.00	0.00	0.00
LANDING PT. 531'FSL & 2129'FWL									
6,800.0	90.00	0.58	6,421.0	1.9	-627.3	88.3	0.00	0.00	0.00
6,890.7	90.00	0.58	6,421.0	92.6	-626.4	178.0	0.00	0.00	0.00
End of Build - 7"									
6,900.0	90.00	0.58	6,421.0	101.9	-626.3	187.2	0.00	0.00	0.00
7,000.0	90.00	0.58	6,421.0	201.9	-625.3	286.1	0.00	0.00	0.00
7,100.0	90.00	0.58	6,421.0	301.9	-624.3	385.0	0.00	0.00	0.00
7,200.0	90.00	0.58	6,421.0	401.9	-623.3	483.9	0.00	0.00	0.00
7,300.0	90.00	0.58	6,421.0	501.9	-622.3	582.8	0.00	0.00	0.00
7,400.0	90.00	0.58	6,421.0	601.9	-621.3	681.8	0.00	0.00	0.00
7,500.0	90.00	0.58	6,421.0	701.9	-620.3	780.7	0.00	0.00	0.00
7,600.0	90.00	0.58	6,421.0	801.9	-619.2	879.6	0.00	0.00	0.00
7,700.0	90.00	0.58	6,421.0	901.8	-618.2	978.5	0.00	0.00	0.00
7,800.0	90.00	0.58	6,421.0	1,001.8	-617.2	1,077.4	0.00	0.00	0.00
7,900.0	90.00	0.58	6,421.0	1,101.8	-616.2	1,176.3	0.00	0.00	0.00
8,000.0	90.00	0.58	6,421.0	1,201.8	-615.2	1,275.2	0.00	0.00	0.00
8,100.0	90.00	0.58	6,421.0	1,301.8	-614.2	1,374.1	0.00	0.00	0.00
8,200.0	90.00	0.58	6,421.0	1,401.8	-613.2	1,473.0	0.00	0.00	0.00
8,300.0	90.00	0.58	6,421.0	1,501.8	-612.2	1,571.9	0.00	0.00	0.00
8,400.0	90.00	0.58	6,421.0	1,601.8	-611.2	1,670.8	0.00	0.00	0.00
8,500.0	90.00	0.58	6,421.0	1,701.8	-610.2	1,769.7	0.00	0.00	0.00
8,600.0	90.00	0.58	6,421.0	1,801.8	-609.2	1,868.6	0.00	0.00	0.00
8,700.0	90.00	0.58	6,421.0	1,901.8	-608.2	1,967.5	0.00	0.00	0.00
8,800.0	90.00	0.58	6,421.0	2,001.8	-607.2	2,066.4	0.00	0.00	0.00
8,900.0	90.00	0.58	6,421.0	2,101.8	-606.2	2,165.3	0.00	0.00	0.00
9,000.0	90.00	0.58	6,421.0	2,201.8	-605.2	2,264.2	0.00	0.00	0.00
9,100.0	90.00	0.58	6,421.0	2,301.8	-604.2	2,363.1	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)	
9,200.0	90.00	0.58	6,421.0	2,401.8	-603.2	2,462.0	0.00	0.00	0.00	
9,300.0	90.00	0.58	6,421.0	2,501.8	-602.2	2,560.9	0.00	0.00	0.00	
9,400.0	90.00	0.58	6,421.0	2,601.8	-601.2	2,659.8	0.00	0.00	0.00	
9,500.0	90.00	0.58	6,421.0	2,701.8	-600.2	2,758.7	0.00	0.00	0.00	
9,600.0	90.00	0.58	6,421.0	2,801.8	-599.2	2,857.6	0.00	0.00	0.00	
9,700.0	90.00	0.58	6,421.0	2,901.7	-598.2	2,956.5	0.00	0.00	0.00	
9,800.0	90.00	0.58	6,421.0	3,001.7	-597.2	3,055.4	0.00	0.00	0.00	
9,900.0	90.00	0.58	6,421.0	3,101.7	-596.2	3,154.3	0.00	0.00	0.00	
10,000.0	90.00	0.58	6,421.0	3,201.7	-595.2	3,253.2	0.00	0.00	0.00	
10,100.0	90.00	0.58	6,421.0	3,301.7	-594.2	3,352.1	0.00	0.00	0.00	
10,200.0	90.00	0.58	6,421.0	3,401.7	-593.2	3,451.0	0.00	0.00	0.00	
10,300.0	90.00	0.58	6,421.0	3,501.7	-592.2	3,549.9	0.00	0.00	0.00	
10,400.0	90.00	0.58	6,421.0	3,601.7	-591.1	3,648.8	0.00	0.00	0.00	
10,500.0	90.00	0.58	6,421.0	3,701.7	-590.1	3,747.7	0.00	0.00	0.00	
10,600.0	90.00	0.58	6,421.0	3,801.7	-589.1	3,846.6	0.00	0.00	0.00	
10,700.0	90.00	0.58	6,421.0	3,901.7	-588.1	3,945.5	0.00	0.00	0.00	
10,800.0	90.00	0.58	6,421.0	4,001.7	-587.1	4,044.4	0.00	0.00	0.00	
10,900.0	90.00	0.58	6,421.0	4,101.7	-586.1	4,143.3	0.00	0.00	0.00	
11,000.0	90.00	0.58	6,421.0	4,201.7	-585.1	4,242.2	0.00	0.00	0.00	
11,002.5	90.00	0.58	6,421.0	4,204.2	-585.1	4,244.7	0.00	0.00	0.00	
BHL 470'FNL & 2122'FWL										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)		Name	Casing Diameter (")	Hole Diameter (")
6,890.7	6,421.0	7"		7	7-1/2

Formations					
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°) Dip Direction (°)
	6,790.7	6,421.0	NIORARA C		0.00

Database:	Landmark	Local Co-ordinate Reference:	Well State North Platte 24-21-26HNC
Company:	BONANZA CREEK ENERGY OPERATING	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Project:	SEC.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	North Reference:	True
Well:	State North Platte 24-21-26HNC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (7-10-13)		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
800.0	800.0	0.0	0.0	KOP #1
5,972.5	5,900.2	-528.3	-632.6	KOP #2
6,890.7	6,421.0	92.6	-626.4	End of Build



BONANZA CREEK ENERGY OPERATING

SEC.26-T5N-R63W

State North Platte 24-21-26HNB Sec.26-T5N-R63W

State North Platte 24-21-26HNC

Wellbore #1

Plan #2 (7-10-13)

Anticollision Report

10 July, 2013

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Reference	Plan #2 (7-10-13)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 7/10/2013			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	11,002.5	Plan #2 (7-10-13) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
State North Platte 24-21-26HNB Sec.26-T5N-R63W						
State North Platte 24-21-26HNB - Wellbore #1 - Plan #2	800.0	800.0	21.9	18.5	6.486	CC, ES
State North Platte 24-21-26HNB - Wellbore #1 - Plan #2	11,002.5	10,951.8	183.5	29.5	1.192	Level 2, SF
State North Platte O24-K21-26HNB - Wellbore #1 - Plan	600.0	600.0	18.2	15.7	7.366	CC, ES
State North Platte O24-K21-26HNB - Wellbore #1 - Plan	11,002.5	10,890.3	186.0	34.5	1.228	Level 2, SF
State North Platte O24-K21-26HNC - Wellbore #1 - Plan	400.0	399.0	40.1	38.5	25.504	CC, ES
State North Platte O24-K21-26HNC - Wellbore #1 - Plan	11,002.5	10,958.1	326.0	156.3	1.921	SF
State North Platte O-K-26HNB - Wellbore #1 - Plan #2 (7	200.0	198.0	58.3	57.6	87.007	CC, ES
State North Platte O-K-26HNB - Wellbore #1 - Plan #2 (7	11,002.5	10,862.4	498.0	330.6	2.975	SF

Offset Design		State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte 24-21-26HNB - Wellbore #1 - P										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)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.00	21.9	0.0	21.9					
100.0	100.0	100.0	100.0	0.1	0.1	0.00	21.9	0.0	21.9	21.6	0.22	97.287		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	21.9	0.0	21.9	21.2	0.67	32.429		
300.0	300.0	300.0	300.0	0.6	0.6	0.00	21.9	0.0	21.9	20.7	1.12	19.457		
400.0	400.0	400.0	400.0	0.8	0.8	0.00	21.9	0.0	21.9	20.3	1.57	13.898		
500.0	500.0	500.0	500.0	1.0	1.0	0.00	21.9	0.0	21.9	19.8	2.02	10.810		
600.0	600.0	600.0	600.0	1.2	1.2	0.00	21.9	0.0	21.9	19.4	2.47	8.844		
700.0	700.0	700.0	700.0	1.5	1.5	0.00	21.9	0.0	21.9	18.9	2.92	7.484		
800.0	800.0	800.0	800.0	1.7	1.7	0.00	21.9	0.0	21.9	18.5	3.37	6.486	CC, ES	
900.0	900.0	900.0	900.0	1.9	1.9	133.18	21.9	0.0	23.0	19.2	3.80	6.061		
1,000.0	999.8	999.8	999.8	2.1	2.1	141.29	21.9	0.0	26.9	22.7	4.21	6.383		
1,100.0	1,099.5	1,100.4	1,100.4	2.3	2.3	148.73	20.9	-1.4	32.7	28.1	4.61	7.097		
1,200.0	1,198.7	1,201.2	1,201.0	2.5	2.5	153.43	17.9	-5.8	39.0	34.1	4.99	7.820		
1,300.0	1,297.5	1,302.2	1,301.7	2.8	2.7	156.41	12.8	-13.1	45.7	40.3	5.39	8.474		
1,400.0	1,395.8	1,403.6	1,402.3	3.1	3.0	157.88	5.7	-23.4	51.5	45.7	5.82	8.846		
1,500.0	1,494.2	1,505.2	1,502.6	3.4	3.2	157.42	-3.4	-36.6	54.3	48.0	6.29	8.629		
1,600.0	1,592.5	1,606.9	1,602.4	3.8	3.6	155.19	-14.5	-52.7	54.0	47.2	6.81	7.930		
1,700.0	1,690.9	1,707.9	1,700.7	4.2	3.9	150.91	-27.5	-71.5	50.9	43.5	7.40	6.883		

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 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Offset Design		State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte 24-21-26HNB - Wellbore #1 - P										Offset Site Error:		0.0 ft
Survey Program: 0-MWD												Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	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)				
1,800.0	1,789.2	1,807.7	1,797.8	4.5	4.3	145.52	-40.8	-90.7	47.5	39.4	8.07	5.885		
1,900.0	1,887.6	1,907.5	1,894.8	4.9	4.7	139.36	-54.0	-110.0	44.6	35.7	8.85	5.037		
2,000.0	1,985.9	2,007.4	1,991.9	5.3	5.2	132.43	-67.3	-129.2	42.2	32.5	9.73	4.337		
2,100.0	2,084.3	2,107.2	2,089.0	5.7	5.6	124.81	-80.6	-148.5	40.6	29.8	10.72	3.782		
2,200.0	2,182.6	2,207.0	2,186.0	6.1	6.1	116.69	-93.9	-167.7	39.7	27.9	11.78	3.368		
2,257.9	2,239.5	2,264.8	2,242.2	6.3	6.4	111.89	-101.6	-178.8	39.5	27.1	12.40	3.188		
2,300.0	2,281.0	2,306.9	2,283.1	6.5	6.6	108.39	-107.2	-186.9	39.6	26.8	12.84	3.083		
2,400.0	2,379.3	2,406.7	2,380.1	6.9	7.0	100.22	-120.5	-206.2	40.4	26.5	13.87	2.911		
2,500.0	2,477.6	2,506.6	2,477.2	7.3	7.5	92.51	-133.7	-225.4	41.9	27.1	14.80	2.831		
2,600.0	2,576.0	2,606.4	2,574.2	7.7	8.0	85.46	-147.0	-244.7	44.2	28.5	15.64	2.823		
2,700.0	2,674.3	2,706.2	2,671.3	8.1	8.5	79.17	-160.3	-263.9	47.0	30.6	16.38	2.869		
2,800.0	2,772.7	2,806.1	2,768.4	8.5	9.0	73.66	-173.6	-283.2	50.3	33.3	17.04	2.954		
2,900.0	2,871.0	2,905.9	2,865.4	8.9	9.5	68.88	-186.9	-302.4	54.1	36.4	17.65	3.065		
3,000.0	2,969.4	3,005.7	2,962.5	9.3	10.0	64.73	-200.1	-321.7	58.2	40.0	18.22	3.193		
3,100.0	3,067.7	3,105.6	3,059.5	9.8	10.4	61.15	-213.4	-340.9	62.5	43.8	18.77	3.331		
3,200.0	3,166.1	3,205.4	3,156.6	10.2	10.9	58.04	-226.7	-360.2	67.1	47.8	19.30	3.476		
3,300.0	3,264.4	3,305.2	3,253.7	10.6	11.4	55.33	-240.0	-379.4	71.8	52.0	19.82	3.623		
3,400.0	3,362.8	3,405.1	3,350.7	11.0	11.9	52.96	-253.3	-398.6	76.7	56.3	20.34	3.769		
3,500.0	3,461.1	3,504.9	3,447.8	11.4	12.4	50.88	-266.6	-417.9	81.6	60.8	20.86	3.914		
3,600.0	3,559.5	3,604.7	3,544.8	11.8	12.9	49.04	-279.8	-437.1	86.7	65.3	21.38	4.056		
3,700.0	3,657.8	3,704.6	3,641.9	12.2	13.4	47.40	-293.1	-456.4	91.9	70.0	21.91	4.194		
3,800.0	3,756.2	3,804.4	3,738.9	12.6	13.9	45.94	-306.4	-475.6	97.1	74.7	22.44	4.328		
3,900.0	3,854.5	3,904.2	3,836.0	13.1	14.5	44.63	-319.7	-494.9	102.4	79.4	22.97	4.458		
4,000.0	3,952.9	4,004.1	3,933.1	13.5	15.0	43.45	-333.0	-514.1	107.7	84.2	23.50	4.583		
4,100.0	4,051.2	4,103.9	4,030.1	13.9	15.5	42.37	-346.3	-533.4	113.1	89.0	24.04	4.704		
4,200.0	4,149.6	4,203.7	4,127.2	14.3	16.0	41.40	-359.5	-552.6	118.5	93.9	24.58	4.820		
4,300.0	4,247.9	4,303.6	4,224.2	14.7	16.5	40.51	-372.8	-571.8	123.9	98.8	25.13	4.931		
4,400.0	4,346.2	4,403.4	4,321.3	15.1	17.0	39.70	-386.1	-591.1	129.4	103.7	25.68	5.039		
4,500.0	4,444.6	4,503.2	4,418.3	15.6	17.5	38.95	-399.4	-610.3	134.9	108.7	26.23	5.142		
4,600.0	4,542.9	4,603.1	4,515.4	16.0	18.0	38.26	-412.7	-629.6	140.4	113.6	26.79	5.241		
4,700.0	4,641.3	4,702.9	4,612.5	16.4	18.5	37.63	-426.0	-648.8	145.9	118.6	27.34	5.337		
4,800.0	4,739.6	4,802.7	4,709.5	16.8	19.0	37.04	-439.2	-668.1	151.5	123.6	27.90	5.428		
4,900.0	4,838.0	4,902.6	4,806.6	17.2	19.5	36.49	-452.5	-687.3	157.0	128.6	28.46	5.517		
5,000.0	4,936.3	5,002.4	4,903.6	17.6	20.0	35.98	-465.8	-706.6	162.6	133.6	29.03	5.602		
5,100.0	5,034.7	5,102.2	5,000.7	18.1	20.5	35.50	-479.1	-725.8	168.2	138.6	29.59	5.683		
5,200.0	5,133.0	5,206.0	5,101.8	18.5	21.0	35.20	-492.4	-745.0	173.0	142.8	30.17	5.734		
5,300.0	5,231.4	5,311.5	5,205.3	18.9	21.3	35.51	-503.8	-761.6	174.7	143.9	30.83	5.668		
5,400.0	5,329.8	5,417.0	5,309.5	19.3	21.6	36.37	-513.0	-775.0	173.7	142.1	31.58	5.499		
5,500.0	5,428.7	5,522.4	5,414.2	19.5	21.9	37.27	-520.1	-785.2	172.0	139.7	32.23	5.335		
5,600.0	5,528.1	5,627.6	5,519.1	19.8	22.1	38.13	-525.0	-792.3	169.9	137.1	32.82	5.178		
5,700.0	5,627.8	5,732.7	5,624.1	20.0	22.2	38.95	-527.7	-796.2	167.6	134.3	33.33	5.028		
5,800.0	5,727.7	5,836.3	5,727.7	20.1	22.4	39.70	-528.2	-797.0	165.1	131.3	33.79	4.887		
5,900.0	5,827.7	5,936.4	5,827.7	20.2	22.5	-89.91	-528.0	-797.0	164.4	130.4	33.95	4.843		
5,924.4	5,852.1	5,960.8	5,852.1	20.3	22.5	-90.10	-526.8	-797.0	164.4	130.1	34.25	4.800		
6,000.0	5,927.6	6,035.0	5,925.5	20.4	22.5	-86.50	-516.0	-796.9	164.7	129.4	35.28	4.668		
6,100.0	6,026.4	6,130.4	6,016.2	20.4	22.4	-81.06	-487.0	-796.6	166.4	129.9	36.50	4.561		
6,200.0	6,120.5	6,223.3	6,098.1	20.3	22.2	-76.12	-443.4	-796.1	169.4	132.4	36.97	4.581		
6,300.0	6,206.5	6,314.1	6,169.4	20.0	22.0	-71.83	-387.4	-795.5	173.1	136.4	36.61	4.727		
6,400.0	6,281.2	6,403.2	6,228.9	19.8	21.7	-68.30	-321.2	-794.8	176.9	141.4	35.50	4.984		
6,500.0	6,342.0	6,490.9	6,275.6	19.4	21.4	-65.56	-247.1	-794.0	180.5	146.5	33.97	5.314		
6,600.0	6,386.5	6,577.6	6,308.9	19.1	21.1	-63.62	-167.1	-793.2	183.3	150.9	32.46	5.648		

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 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte 24-21-26HNB - 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	
6,700.0	6,413.1	6,663.7	6,328.4	18.7	20.8	-62.45	-83.4	-792.3	185.1	153.6	31.48	5.881		
6,800.0	6,421.0	6,751.0	6,334.0	18.5	20.6	-62.07	3.6	-791.3	185.7	154.3	31.42	5.910		
6,900.0	6,421.0	6,851.0	6,334.0	18.3	20.4	-62.06	103.6	-790.3	185.7	153.4	32.27	5.754		
7,000.0	6,421.0	6,951.0	6,334.0	18.3	20.4	-62.05	203.6	-789.2	185.6	152.1	33.46	5.547		
7,100.0	6,421.0	7,051.0	6,334.0	18.7	20.6	-62.04	303.6	-788.2	185.6	150.6	34.94	5.311		
7,200.0	6,421.0	7,151.0	6,334.0	19.6	21.0	-62.03	403.6	-787.1	185.5	148.8	36.69	5.056		
7,300.0	6,421.0	7,251.0	6,334.0	20.7	21.8	-62.02	503.6	-786.0	185.5	146.8	38.66	4.797		
7,400.0	6,421.0	7,351.0	6,334.0	21.9	22.8	-62.01	603.6	-785.0	185.4	144.6	40.84	4.540		
7,500.0	6,421.0	7,451.0	6,334.0	23.2	24.0	-62.01	703.6	-783.9	185.4	142.2	43.18	4.293		
7,600.0	6,421.0	7,551.0	6,334.0	24.6	25.2	-62.00	803.6	-782.8	185.3	139.6	45.66	4.058		
7,700.0	6,421.0	7,651.0	6,334.0	26.1	26.6	-61.99	903.6	-781.8	185.2	137.0	48.26	3.838		
7,800.0	6,421.0	7,751.0	6,334.0	27.6	28.0	-61.98	1,003.6	-780.7	185.2	134.2	50.96	3.634		
7,900.0	6,421.0	7,851.0	6,334.0	29.1	29.5	-61.97	1,103.6	-779.7	185.1	131.4	53.75	3.444		
8,000.0	6,421.0	7,951.0	6,334.0	30.7	31.0	-61.96	1,203.6	-778.6	185.1	128.5	56.61	3.269		
8,100.0	6,421.0	8,051.0	6,334.0	32.3	32.6	-61.95	1,303.6	-777.5	185.0	125.5	59.54	3.108		
8,200.0	6,421.0	8,151.0	6,334.0	34.0	34.2	-61.95	1,403.6	-776.5	185.0	122.5	62.51	2.959		
8,300.0	6,421.0	8,251.0	6,334.0	35.7	35.9	-61.94	1,503.6	-775.4	184.9	119.4	65.54	2.822		
8,400.0	6,421.0	8,351.0	6,334.0	37.4	37.5	-61.93	1,603.5	-774.3	184.9	116.3	68.60	2.695		
8,500.0	6,421.0	8,451.0	6,334.0	39.1	39.2	-61.92	1,703.5	-773.3	184.8	113.1	71.70	2.578		
8,600.0	6,421.0	8,551.0	6,334.0	40.8	40.9	-61.91	1,803.5	-772.2	184.8	110.0	74.82	2.469		
8,700.0	6,421.0	8,651.0	6,334.0	42.6	42.6	-61.90	1,903.5	-771.2	184.7	106.7	77.98	2.369		
8,800.0	6,421.0	8,751.0	6,334.0	44.3	44.4	-61.89	2,003.5	-770.1	184.7	103.5	81.16	2.275		
8,900.0	6,421.0	8,851.0	6,334.0	46.1	46.1	-61.89	2,103.5	-769.0	184.6	100.3	84.36	2.189		
9,000.0	6,421.0	8,951.0	6,334.0	47.9	47.9	-61.88	2,203.5	-768.0	184.6	97.0	87.57	2.108		
9,100.0	6,421.0	9,051.0	6,334.0	49.7	49.6	-61.87	2,303.5	-766.9	184.5	93.7	90.81	2.032		
9,200.0	6,421.0	9,151.0	6,334.0	51.5	51.4	-61.86	2,403.5	-765.8	184.5	90.4	94.06	1.961		
9,300.0	6,421.0	9,251.0	6,334.0	53.3	53.2	-61.85	2,503.5	-764.8	184.4	87.1	97.32	1.895		
9,400.0	6,421.0	9,351.0	6,334.0	55.1	55.0	-61.84	2,603.5	-763.7	184.4	83.8	100.59	1.833		
9,500.0	6,421.0	9,451.0	6,334.0	56.9	56.8	-61.83	2,703.5	-762.7	184.3	80.4	103.88	1.774		
9,600.0	6,421.0	9,551.0	6,334.0	58.7	58.6	-61.82	2,803.5	-761.6	184.3	77.1	107.17	1.719		
9,700.0	6,421.0	9,651.0	6,334.0	60.6	60.4	-61.82	2,903.5	-760.5	184.2	73.7	110.47	1.667		
9,800.0	6,421.0	9,751.0	6,334.0	62.4	62.3	-61.81	3,003.5	-759.5	184.1	70.4	113.78	1.618		
9,900.0	6,421.0	9,851.0	6,334.0	64.3	64.1	-61.80	3,103.5	-758.4	184.1	67.0	117.10	1.572		
10,000.0	6,421.0	9,951.0	6,334.0	66.1	65.9	-61.79	3,203.5	-757.3	184.0	63.6	120.43	1.528		
10,100.0	6,421.0	10,051.0	6,334.0	68.0	67.8	-61.78	3,303.4	-756.3	184.0	60.2	123.76	1.487 Level 3		
10,200.0	6,421.0	10,151.0	6,334.0	69.8	69.6	-61.77	3,403.4	-755.2	183.9	56.8	127.09	1.447 Level 3		
10,300.0	6,421.0	10,251.0	6,334.0	71.7	71.5	-61.76	3,503.4	-754.2	183.9	53.5	130.43	1.410 Level 3		
10,400.0	6,421.0	10,351.0	6,334.0	73.5	73.3	-61.75	3,603.4	-753.1	183.8	50.1	133.78	1.374 Level 3		
10,500.0	6,421.0	10,451.0	6,334.0	75.4	75.2	-61.75	3,703.4	-752.0	183.8	46.7	137.13	1.340 Level 3		
10,600.0	6,421.0	10,551.0	6,334.0	77.3	77.0	-61.74	3,803.4	-751.0	183.7	43.3	140.48	1.308 Level 3		
10,700.0	6,421.0	10,651.0	6,334.0	79.1	78.9	-61.73	3,903.4	-749.9	183.7	39.8	143.84	1.277 Level 3		
10,800.0	6,421.0	10,751.0	6,334.0	81.0	80.7	-61.72	4,003.4	-748.8	183.6	36.4	147.20	1.247 Level 2		
10,900.0	6,421.0	10,851.0	6,334.0	82.9	82.6	-61.71	4,103.4	-747.8	183.6	33.0	150.56	1.219 Level 2		
11,000.0	6,421.0	10,951.0	6,334.0	84.7	84.5	-61.70	4,203.4	-746.7	183.5	29.6	153.93	1.192 Level 2		
11,000.8	6,421.0	10,951.8	6,334.0	84.8	84.5	-61.70	4,204.2	-746.7	183.5	29.6	153.96	1.192 Level 2		
11,002.5	6,421.0	10,951.8	6,334.0	84.8	84.5	-61.70	4,204.2	-746.7	183.5	29.5	153.98	1.192 Level 2, SF		

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O24-K21-26HNB - Wellbore #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)	Distance 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	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	180.00	-18.2	0.0	18.2	18.0	0.22	81.024	
200.0	200.0	200.0	200.0	0.3	0.3	180.00	180.00	-18.2	0.0	18.2	17.5	0.67	27.008	
300.0	300.0	300.0	300.0	0.6	0.6	180.00	180.00	-18.2	0.0	18.2	17.1	1.12	16.205	
400.0	400.0	400.0	400.0	0.8	0.8	180.00	180.00	-18.2	0.0	18.2	16.6	1.57	11.575	
500.0	500.0	500.0	500.0	1.0	1.0	180.00	180.00	-18.2	0.0	18.2	16.2	2.02	9.003	
600.0	600.0	600.0	600.0	1.2	1.2	180.00	180.00	-18.2	0.0	18.2	15.7	2.47	7.366 CC, ES	
700.0	700.0	699.5	699.5	1.5	1.4	-176.56	-176.56	-19.5	-1.2	19.5	16.6	2.90	6.739	
800.0	800.0	798.8	798.6	1.7	1.6	-168.64	-168.64	-23.8	-4.7	23.8	20.5	3.31	7.181	
900.0	900.0	897.7	897.2	1.9	1.8	-32.23	-32.23	-29.6	-10.5	30.0	26.3	3.72	8.078	
1,000.0	999.8	996.4	995.1	2.1	2.1	-28.62	-28.62	-38.3	-18.6	36.6	32.5	4.11	8.918	
1,100.0	1,099.5	1,095.7	1,093.4	2.3	2.4	-26.97	-26.97	-49.1	-28.6	42.9	38.3	4.52	9.478	
1,200.0	1,198.7	1,195.7	1,192.2	2.5	2.7	-27.54	-27.54	-60.2	-38.7	46.2	41.2	4.95	9.325	
1,300.0	1,297.5	1,295.7	1,291.0	2.8	3.0	-30.09	-30.09	-71.2	-48.9	46.5	41.0	5.42	8.576	
1,400.0	1,395.8	1,395.6	1,389.8	3.1	3.3	-34.27	-34.27	-82.2	-59.1	44.8	38.9	5.94	7.538	
1,500.0	1,494.2	1,495.5	1,488.6	3.4	3.6	-38.80	-38.80	-93.3	-69.3	43.4	36.8	6.53	6.643	
1,600.0	1,592.5	1,595.4	1,587.4	3.8	4.0	-43.62	-43.62	-104.3	-79.5	42.2	35.0	7.16	5.890	
1,700.0	1,690.9	1,695.4	1,686.2	4.2	4.3	-48.67	-48.67	-115.3	-89.7	41.3	33.5	7.86	5.261	
1,800.0	1,789.2	1,795.3	1,785.0	4.5	4.7	-53.90	-53.90	-126.4	-99.9	40.8	32.2	8.61	4.743	
1,898.6	1,886.2	1,893.8	1,882.4	4.9	5.0	-59.13	-59.13	-137.2	-109.9	40.6	31.3	9.39	4.328	
1,900.0	1,887.6	1,895.2	1,883.8	4.9	5.0	-59.21	-59.21	-137.4	-110.0	40.6	31.2	9.40	4.322	
2,000.0	1,985.9	1,995.2	1,982.6	5.3	5.4	-64.51	-64.51	-148.4	-120.2	40.8	30.6	10.24	3.989	
2,100.0	2,084.3	2,095.1	2,081.4	5.7	5.8	-69.73	-69.73	-159.5	-130.4	41.4	30.3	11.09	3.729	
2,200.0	2,182.6	2,195.0	2,180.2	6.1	6.1	-74.78	-74.78	-170.5	-140.6	42.2	30.3	11.95	3.533	
2,300.0	2,281.0	2,294.9	2,279.0	6.5	6.5	-79.59	-79.59	-181.5	-150.8	43.4	30.6	12.80	3.389	
2,400.0	2,379.3	2,394.9	2,377.8	6.9	6.8	-84.12	-84.12	-192.6	-161.0	44.9	31.2	13.64	3.288	
2,500.0	2,477.6	2,494.8	2,476.6	7.3	7.2	-88.33	-88.33	-203.6	-171.2	46.6	32.1	14.46	3.221	
2,600.0	2,576.0	2,594.7	2,575.4	7.7	7.6	-92.23	-92.23	-214.6	-181.4	48.5	33.3	15.25	3.182	
2,700.0	2,674.3	2,694.7	2,674.1	8.1	7.9	-95.81	-95.81	-225.7	-191.5	50.7	34.7	16.02	3.165	
2,800.0	2,772.7	2,794.6	2,772.9	8.5	8.3	-99.08	-99.08	-236.7	-201.7	53.0	36.3	16.76	3.164	
2,900.0	2,871.0	2,894.5	2,871.7	8.9	8.7	-102.07	-102.07	-247.7	-211.9	55.5	38.1	17.49	3.176	
3,000.0	2,969.4	2,994.4	2,970.5	9.3	9.0	-104.80	-104.80	-258.8	-222.1	58.2	40.0	18.19	3.199	
3,100.0	3,067.7	3,094.4	3,069.3	9.8	9.4	-107.28	-107.28	-269.8	-232.3	61.0	42.1	18.88	3.228	
3,200.0	3,166.1	3,194.3	3,168.1	10.2	9.7	-109.55	-109.55	-280.8	-242.5	63.8	44.3	19.56	3.263	
3,300.0	3,264.4	3,294.2	3,266.9	10.6	10.1	-111.61	-111.61	-291.8	-252.7	66.8	46.6	20.22	3.303	
3,400.0	3,362.8	3,394.2	3,365.7	11.0	10.5	-113.50	-113.50	-302.9	-262.8	69.8	48.9	20.87	3.345	
3,500.0	3,461.1	3,494.1	3,464.5	11.4	10.8	-115.23	-115.23	-313.9	-273.0	72.9	51.4	21.52	3.389	
3,600.0	3,559.5	3,594.0	3,563.3	11.8	11.2	-116.82	-116.82	-324.9	-283.2	76.1	53.9	22.16	3.434	
3,700.0	3,657.8	3,693.9	3,662.1	12.2	11.6	-118.28	-118.28	-336.0	-293.4	79.3	56.5	22.79	3.480	
3,800.0	3,756.2	3,793.9	3,760.9	12.6	11.9	-119.63	-119.63	-347.0	-303.6	82.6	59.2	23.42	3.527	
3,900.0	3,854.5	3,893.8	3,859.7	13.1	12.3	-120.87	-120.87	-358.0	-313.8	85.9	61.9	24.04	3.573	
4,000.0	3,952.9	3,993.7	3,958.5	13.5	12.7	-122.02	-122.02	-369.1	-324.0	89.2	64.6	24.66	3.618	
4,100.0	4,051.2	4,093.7	4,057.3	13.9	13.0	-123.08	-123.08	-380.1	-334.2	92.6	67.3	25.28	3.664	
4,200.0	4,149.6	4,193.6	4,156.1	14.3	13.4	-124.07	-124.07	-391.1	-344.3	96.0	70.1	25.90	3.708	
4,300.0	4,247.9	4,293.5	4,254.8	14.7	13.8	-125.00	-125.00	-402.2	-354.5	99.5	73.0	26.51	3.752	
4,400.0	4,346.2	4,393.4	4,353.6	15.1	14.1	-125.86	-125.86	-413.2	-364.7	102.9	75.8	27.13	3.795	
4,500.0	4,444.6	4,493.4	4,452.4	15.6	14.5	-126.66	-126.66	-424.2	-374.9	106.4	78.7	27.74	3.836	
4,600.0	4,542.9	4,593.3	4,551.2	16.0	14.9	-127.41	-127.41	-435.3	-385.1	109.9	81.6	28.35	3.877	
4,700.0	4,641.3	4,693.2	4,650.0	16.4	15.2	-128.12	-128.12	-446.3	-395.3	113.4	84.5	28.96	3.917	
4,800.0	4,739.6	4,793.2	4,748.8	16.8	15.6	-128.78	-128.78	-457.3	-405.5	117.0	87.4	29.57	3.956	
4,900.0	4,838.0	4,893.1	4,847.6	17.2	16.0	-129.41	-129.41	-468.4	-415.6	120.5	90.3	30.18	3.993	

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 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O24-K21-26HNB - Wellbore #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	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	
5,000.0	4,936.3	4,993.0	4,946.4	17.6	16.4	-130.00	-479.4	-425.8	124.1	93.3	30.79	4.030		
5,100.0	5,034.7	5,092.9	5,045.2	18.1	16.7	-130.55	-490.4	-436.0	127.7	96.3	31.40	4.066		
5,200.0	5,133.0	5,192.9	5,144.0	18.5	17.1	-131.08	-501.5	-446.2	131.3	99.3	32.01	4.101		
5,300.0	5,231.4	5,290.9	5,241.0	18.9	17.4	-131.89	-511.6	-455.6	135.4	102.9	32.51	4.164		
5,400.0	5,329.8	5,387.9	5,337.5	19.3	17.6	-133.62	-519.4	-462.7	141.2	108.4	32.74	4.312		
5,500.0	5,428.7	5,484.7	5,434.0	19.5	17.8	-135.45	-524.7	-467.6	147.0	114.2	32.81	4.480		
5,600.0	5,528.1	5,581.2	5,530.4	19.8	18.0	-137.21	-527.6	-470.3	152.6	119.7	32.83	4.647		
5,700.0	5,627.8	5,678.6	5,627.8	20.0	18.1	-138.91	-528.2	-470.9	157.8	124.9	32.81	4.808		
5,800.0	5,727.7	5,778.5	5,727.7	20.1	18.2	-139.95	-528.2	-470.9	161.0	128.1	32.87	4.898		
5,900.0	5,827.7	5,878.4	5,827.6	20.2	18.3	89.90	-528.0	-470.9	161.7	128.7	32.96	4.907		
6,000.0	5,927.6	5,976.4	5,924.8	20.4	18.4	85.33	-516.1	-470.8	162.3	129.8	32.45	5.000		
6,100.0	6,026.4	6,071.3	6,015.0	20.4	18.3	79.88	-487.5	-470.5	164.3	133.0	31.31	5.249		
6,200.0	6,120.5	6,163.7	6,096.6	20.3	18.1	74.99	-444.3	-470.0	167.6	137.5	30.11	5.565		
6,300.0	6,206.5	6,254.1	6,167.8	20.0	17.9	70.81	-388.8	-469.4	171.4	142.5	28.94	5.924		
6,400.0	6,281.2	6,342.9	6,227.4	19.8	17.6	67.40	-323.1	-468.7	175.4	147.5	27.87	6.294		
6,500.0	6,342.0	6,430.3	6,274.3	19.4	17.3	64.80	-249.4	-467.9	179.0	152.0	27.00	6.629		
6,600.0	6,386.5	6,516.9	6,308.0	19.1	17.1	63.01	-169.8	-467.1	181.7	155.3	26.48	6.864		
6,700.0	6,413.1	6,600.0	6,327.5	18.7	16.8	62.02	-89.1	-466.2	183.5	157.0	26.46	6.934		
6,800.0	6,421.0	6,689.7	6,334.0	18.5	16.6	61.76	0.2	-465.3	183.9	156.9	26.99	6.812		
6,900.0	6,421.0	6,789.7	6,334.0	18.3	16.4	61.77	100.2	-464.2	183.9	156.2	27.68	6.644		
7,000.0	6,421.0	6,889.7	6,334.0	18.3	16.8	61.78	200.2	-463.2	184.0	155.2	28.78	6.393		
7,100.0	6,421.0	6,989.7	6,334.0	18.7	17.8	61.79	300.2	-462.1	184.0	153.8	30.22	6.089		
7,200.0	6,421.0	7,089.7	6,334.0	19.6	18.9	61.80	400.1	-461.0	184.1	152.1	31.98	5.756		
7,300.0	6,421.0	7,189.7	6,334.0	20.7	20.1	61.80	500.1	-460.0	184.1	150.1	33.99	5.417		
7,400.0	6,421.0	7,289.7	6,334.0	21.9	21.4	61.81	600.1	-458.9	184.2	148.0	36.23	5.084		
7,500.0	6,421.0	7,389.7	6,334.0	23.2	22.8	61.82	700.1	-457.9	184.2	145.6	38.64	4.768		
7,600.0	6,421.0	7,489.7	6,334.0	24.6	24.2	61.83	800.1	-456.8	184.3	143.1	41.20	4.472		
7,700.0	6,421.0	7,589.7	6,334.0	26.1	25.7	61.84	900.1	-455.7	184.3	140.4	43.89	4.200		
7,800.0	6,421.0	7,689.7	6,334.0	27.6	27.2	61.85	1,000.1	-454.7	184.4	137.7	46.68	3.950		
7,900.0	6,421.0	7,789.7	6,334.0	29.1	28.8	61.85	1,100.1	-453.6	184.4	134.9	49.55	3.722		
8,000.0	6,421.0	7,889.7	6,334.0	30.7	30.5	61.86	1,200.1	-452.6	184.5	132.0	52.49	3.515		
8,100.0	6,421.0	7,989.7	6,334.0	32.3	32.1	61.87	1,300.1	-451.5	184.5	129.0	55.49	3.325		
8,200.0	6,421.0	8,089.7	6,334.0	34.0	33.8	61.88	1,400.1	-450.4	184.6	126.0	58.55	3.153		
8,300.0	6,421.0	8,189.7	6,334.0	35.7	35.5	61.89	1,500.1	-449.4	184.6	123.0	61.64	2.995		
8,400.0	6,421.0	8,289.7	6,334.0	37.4	37.2	61.90	1,600.1	-448.3	184.7	119.9	64.77	2.851		
8,500.0	6,421.0	8,389.7	6,334.0	39.1	39.0	61.91	1,700.1	-447.3	184.7	116.8	67.94	2.719		
8,600.0	6,421.0	8,489.7	6,334.0	40.8	40.7	61.91	1,800.1	-446.2	184.8	113.7	71.13	2.598		
8,700.0	6,421.0	8,589.7	6,334.0	42.6	42.5	61.92	1,900.1	-445.1	184.8	110.5	74.35	2.486		
8,800.0	6,421.0	8,689.7	6,334.0	44.3	44.3	61.93	2,000.1	-444.1	184.9	107.3	77.59	2.383		
8,900.0	6,421.0	8,789.7	6,334.0	46.1	46.1	61.94	2,100.1	-443.0	184.9	104.1	80.84	2.288		
9,000.0	6,421.0	8,889.7	6,334.0	47.9	47.9	61.95	2,200.0	-441.9	185.0	100.9	84.12	2.199		
9,100.0	6,421.0	8,989.7	6,334.0	49.7	49.7	61.96	2,300.0	-440.9	185.0	97.6	87.40	2.117		
9,200.0	6,421.0	9,089.7	6,334.0	51.5	51.5	61.96	2,400.0	-439.8	185.1	94.4	90.70	2.041		
9,300.0	6,421.0	9,189.7	6,334.0	53.3	53.3	61.97	2,500.0	-438.8	185.1	91.1	94.02	1.969		
9,400.0	6,421.0	9,289.7	6,334.0	55.1	55.1	61.98	2,600.0	-437.7	185.2	87.9	97.34	1.903		
9,500.0	6,421.0	9,389.7	6,334.0	56.9	57.0	61.99	2,700.0	-436.6	185.3	84.6	100.68	1.840		
9,600.0	6,421.0	9,489.7	6,334.0	58.7	58.8	62.00	2,800.0	-435.6	185.3	81.3	104.02	1.781		
9,700.0	6,421.0	9,589.7	6,334.0	60.6	60.7	62.01	2,900.0	-434.5	185.4	78.0	107.37	1.726		
9,800.0	6,421.0	9,689.7	6,334.0	62.4	62.5	62.01	3,000.0	-433.5	185.4	74.7	110.73	1.674		
9,900.0	6,421.0	9,789.7	6,334.0	64.3	64.4	62.02	3,100.0	-432.4	185.5	71.4	114.09	1.625		
10,000.0	6,421.0	9,889.7	6,334.0	66.1	66.2	62.03	3,200.0	-431.3	185.5	68.0	117.46	1.579		

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 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O24-K21-26HNB - Wellbore #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)	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning	
Reference	Offset	Reference	Offset	(ft)	(ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
10,100.0	6,421.0	9,989.7	6,334.0	68.0	68.1	62.04	3,300.0	-430.3	185.6	64.7	120.84	1.536		
10,200.0	6,421.0	10,089.7	6,334.0	69.8	69.9	62.05	3,400.0	-429.2	185.6	61.4	124.22	1.494	Level 3	
10,300.0	6,421.0	10,189.7	6,334.0	71.7	71.8	62.06	3,500.0	-428.2	185.7	58.1	127.61	1.455	Level 3	
10,400.0	6,421.0	10,289.7	6,334.0	73.5	73.7	62.06	3,600.0	-427.1	185.7	54.7	131.00	1.418	Level 3	
10,500.0	6,421.0	10,389.7	6,334.0	75.4	75.5	62.07	3,700.0	-426.0	185.8	51.4	134.39	1.382	Level 3	
10,600.0	6,421.0	10,489.7	6,334.0	77.3	77.4	62.08	3,800.0	-425.0	185.8	48.0	137.79	1.348	Level 3	
10,700.0	6,421.0	10,589.7	6,334.0	79.1	79.3	62.09	3,900.0	-423.9	185.9	44.7	141.20	1.316	Level 3	
10,800.0	6,421.0	10,689.7	6,334.0	81.0	81.2	62.10	3,999.9	-422.8	185.9	41.3	144.60	1.286	Level 3	
10,900.0	6,421.0	10,789.7	6,334.0	82.9	83.1	62.11	4,099.9	-421.8	186.0	37.9	148.01	1.256	Level 3	
11,000.0	6,421.0	10,889.7	6,334.0	84.7	84.9	62.11	4,199.9	-420.7	186.0	34.6	151.43	1.228	Level 2	
11,002.5	6,421.0	10,890.3	6,334.0	84.8	84.9	62.11	4,200.5	-420.7	186.0	34.5	151.48	1.228	Level 2, SF	

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O24-K21-26HNC - Wellbore #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
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-180.00	-40.1	0.0	40.1				
100.0	100.0	99.0	99.0	0.1	0.1	-180.00	-180.00	-40.1	0.0	40.1	39.8	0.22	179.168	
200.0	200.0	199.0	199.0	0.3	0.3	-180.00	-180.00	-40.1	0.0	40.1	39.4	0.67	59.623	
300.0	300.0	299.0	299.0	0.6	0.6	-180.00	-180.00	-40.1	0.0	40.1	38.9	1.12	35.726	
400.0	400.0	399.0	399.0	0.8	0.8	-180.00	-180.00	-40.1	0.0	40.1	38.5	1.57	25.504 CC, ES	
500.0	500.0	497.8	497.8	1.0	1.0	-178.77	-178.77	-41.5	-0.9	41.5	39.5	1.99	20.817	
600.0	600.0	596.4	596.2	1.2	1.2	-175.53	-175.53	-45.8	-3.6	46.0	43.6	2.41	19.074	
700.0	700.0	694.5	693.9	1.5	1.4	-171.35	-171.35	-52.9	-8.0	53.7	50.9	2.85	18.823	
800.0	800.0	793.2	792.0	1.7	1.6	-167.37	-167.37	-62.3	-14.0	64.2	60.9	3.33	19.313	
900.0	900.0	892.7	890.9	1.9	1.9	-35.23	-35.23	-72.0	-20.1	73.8	70.1	3.71	19.906	
1,000.0	999.8	992.4	990.0	2.1	2.2	-34.87	-34.87	-81.8	-26.2	80.5	76.4	4.11	19.572	
1,100.0	1,099.5	1,092.3	1,089.2	2.3	2.5	-35.93	-35.93	-91.5	-32.3	84.4	79.9	4.54	18.584	
1,200.0	1,198.7	1,192.3	1,188.5	2.5	2.8	-38.33	-38.33	-101.3	-38.4	85.6	80.6	5.00	17.125	
1,300.0	1,297.5	1,292.1	1,287.6	2.8	3.1	-42.23	-42.23	-111.0	-44.5	84.3	78.8	5.50	15.339	
1,400.0	1,395.8	1,391.8	1,386.6	3.1	3.4	-47.44	-47.44	-120.7	-50.6	81.8	75.7	6.06	13.489	
1,500.0	1,494.2	1,491.4	1,485.6	3.4	3.7	-52.96	-52.96	-130.5	-56.8	79.9	73.2	6.68	11.954	
1,600.0	1,592.5	1,591.1	1,584.7	3.8	4.0	-58.70	-58.70	-140.2	-62.9	78.8	71.4	7.36	10.708	
1,685.5	1,676.6	1,676.4	1,669.3	4.1	4.3	-63.69	-63.69	-148.5	-68.1	78.5	70.5	7.97	9.845	
1,700.0	1,690.9	1,690.8	1,683.7	4.2	4.3	-64.54	-64.54	-149.9	-69.0	78.5	70.4	8.08	9.717	
1,800.0	1,789.2	1,790.5	1,782.7	4.5	4.6	-70.36	-70.36	-159.7	-75.1	79.0	70.2	8.83	8.947	
1,900.0	1,887.6	1,890.2	1,881.7	4.9	5.0	-76.04	-76.04	-169.4	-81.2	80.4	70.7	9.60	8.366	
2,000.0	1,985.9	1,989.8	1,980.7	5.3	5.3	-81.49	-81.49	-179.1	-87.3	82.5	72.1	10.38	7.942	
2,100.0	2,084.3	2,089.5	2,079.7	5.7	5.6	-86.63	-86.63	-188.8	-93.4	85.3	74.1	11.15	7.646	
2,200.0	2,182.6	2,189.2	2,178.7	6.1	5.9	-91.40	-91.40	-198.6	-99.5	88.7	76.8	11.91	7.451	
2,300.0	2,281.0	2,288.9	2,277.7	6.5	6.2	-95.79	-95.79	-208.3	-105.6	92.7	80.1	12.64	7.336	
2,400.0	2,379.3	2,388.5	2,376.8	6.9	6.5	-99.80	-99.80	-218.0	-111.7	97.3	83.9	13.35	7.283	
2,500.0	2,477.6	2,488.2	2,475.8	7.3	6.8	-103.44	-103.44	-227.7	-117.8	102.2	88.2	14.04	7.278	
2,600.0	2,576.0	2,587.9	2,574.8	7.7	7.2	-106.73	-106.73	-237.5	-123.9	107.5	92.8	14.72	7.307	
2,700.0	2,674.3	2,687.6	2,673.8	8.1	7.5	-109.70	-109.70	-247.2	-130.0	113.2	97.8	15.37	7.363	
2,800.0	2,772.7	2,787.2	2,772.8	8.5	7.8	-112.38	-112.38	-256.9	-136.2	119.1	103.1	16.01	7.439	
2,900.0	2,871.0	2,886.9	2,871.8	8.9	8.1	-114.80	-114.80	-266.7	-142.3	125.3	108.6	16.64	7.528	
3,000.0	2,969.4	2,986.6	2,970.8	9.3	8.4	-117.00	-117.00	-276.4	-148.4	131.6	114.4	17.26	7.627	
3,100.0	3,067.7	3,086.3	3,069.8	9.8	8.7	-118.99	-118.99	-286.1	-154.5	138.2	120.3	17.87	7.733	
3,200.0	3,166.1	3,185.9	3,168.9	10.2	9.0	-120.80	-120.80	-295.8	-160.6	144.9	126.4	18.47	7.843	
3,300.0	3,264.4	3,285.6	3,267.9	10.6	9.4	-122.45	-122.45	-305.6	-166.7	151.7	132.6	19.07	7.955	
3,400.0	3,362.8	3,385.3	3,366.9	11.0	9.7	-123.95	-123.95	-315.3	-172.8	158.6	139.0	19.66	8.067	
3,500.0	3,461.1	3,485.0	3,465.9	11.4	10.0	-125.33	-125.33	-325.0	-178.9	165.6	145.4	20.25	8.180	
3,600.0	3,559.5	3,584.6	3,564.9	11.8	10.3	-126.60	-126.60	-334.8	-185.0	172.8	151.9	20.84	8.292	
3,700.0	3,657.8	3,684.3	3,663.9	12.2	10.6	-127.76	-127.76	-344.5	-191.1	180.0	158.5	21.42	8.402	
3,800.0	3,756.2	3,784.0	3,762.9	12.6	10.9	-128.84	-128.84	-354.2	-197.2	187.2	165.2	22.00	8.510	
3,900.0	3,854.5	3,883.7	3,861.9	13.1	11.3	-129.83	-129.83	-363.9	-203.3	194.6	172.0	22.58	8.616	
4,000.0	3,952.9	3,983.4	3,960.9	13.5	11.6	-130.75	-130.75	-373.7	-209.4	201.9	178.8	23.16	8.719	
4,100.0	4,051.2	4,083.0	4,060.0	13.9	11.9	-131.61	-131.61	-383.4	-215.5	209.4	185.6	23.74	8.820	
4,200.0	4,149.6	4,182.7	4,159.0	14.3	12.2	-132.41	-132.41	-393.1	-221.7	216.8	192.5	24.32	8.918	
4,300.0	4,247.9	4,282.4	4,258.0	14.7	12.5	-133.15	-133.15	-402.9	-227.8	224.4	199.5	24.89	9.013	
4,400.0	4,346.2	4,382.1	4,357.0	15.1	12.8	-133.85	-133.85	-412.6	-233.9	231.9	206.4	25.47	9.105	
4,500.0	4,444.6	4,481.7	4,456.0	15.6	13.2	-134.50	-134.50	-422.3	-240.0	239.5	213.4	26.05	9.195	
4,600.0	4,542.9	4,581.4	4,555.0	16.0	13.5	-135.11	-135.11	-432.0	-246.1	247.1	220.5	26.62	9.282	
4,700.0	4,641.3	4,681.1	4,654.0	16.4	13.8	-135.69	-135.69	-441.8	-252.2	254.7	227.5	27.20	9.367	
4,800.0	4,739.6	4,780.8	4,753.0	16.8	14.1	-136.23	-136.23	-451.5	-258.3	262.4	234.6	27.77	9.448	
4,900.0	4,838.0	4,880.4	4,852.1	17.2	14.4	-136.74	-136.74	-461.2	-264.4	270.1	241.7	28.35	9.528	

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 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O24-K21-26HNC - Wellbore #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	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,000.0	4,936.3	4,980.1	4,951.1	17.6	14.7	-137.23	-471.0	-270.5	277.8	248.9	28.92	9.605		
5,100.0	5,034.7	5,079.8	5,050.1	18.1	15.1	-137.68	-480.7	-276.6	285.5	256.0	29.50	9.679		
5,200.0	5,133.0	5,179.5	5,149.1	18.5	15.4	-138.12	-490.4	-282.7	293.2	263.2	30.07	9.751		
5,300.0	5,231.4	5,279.1	5,248.1	18.9	15.7	-138.53	-500.1	-288.8	301.0	270.3	30.65	9.821		
5,400.0	5,329.8	5,378.8	5,347.1	19.3	16.0	-138.91	-509.9	-295.0	308.4	277.2	31.21	9.882		
5,500.0	5,428.7	5,474.6	5,442.3	19.5	16.3	-139.09	-518.4	-300.3	314.1	282.4	31.67	9.917		
5,600.0	5,528.1	5,569.0	5,536.5	19.8	16.5	-139.34	-524.3	-304.0	318.8	286.8	32.03	9.955		
5,700.0	5,627.8	5,663.4	5,630.9	20.0	16.6	-139.65	-527.6	-306.1	322.6	290.3	32.30	9.989		
5,800.0	5,727.7	5,759.3	5,726.7	20.1	16.8	-140.03	-528.3	-306.5	325.4	292.9	32.52	10.007		
5,900.0	5,827.7	5,859.2	5,826.7	20.2	16.9	89.99	-528.3	-306.5	326.1	293.4	32.67	9.980		
6,000.0	5,927.6	5,959.1	5,926.5	20.4	17.0	89.42	-527.6	-306.5	326.1	293.1	33.03	9.871		
6,100.0	6,026.4	6,058.5	6,024.6	20.4	17.0	89.44	-512.9	-306.3	326.1	293.0	33.08	9.858		
6,200.0	6,120.5	6,157.9	6,118.2	20.3	17.0	89.47	-479.9	-306.0	326.1	293.2	32.85	9.926		
6,300.0	6,206.5	6,257.3	6,203.9	20.0	16.8	89.53	-429.8	-305.5	326.1	293.7	32.43	10.054		
6,400.0	6,281.2	6,356.8	6,278.6	19.8	16.5	89.60	-364.2	-304.9	326.1	294.2	31.93	10.213		
6,500.0	6,342.0	6,456.5	6,339.5	19.4	16.3	89.69	-285.6	-304.1	326.1	294.6	31.48	10.357		
6,600.0	6,386.5	6,556.2	6,384.4	19.1	16.0	89.79	-196.7	-303.2	326.1	294.8	31.24	10.436		
6,700.0	6,413.1	6,656.0	6,411.6	18.7	15.9	89.90	-100.8	-302.2	326.1	294.7	31.33	10.407		
6,800.0	6,421.0	6,756.0	6,420.0	18.5	16.0	90.00	-1.4	-301.2	326.1	294.3	31.82	10.249		
6,900.0	6,421.0	6,856.0	6,420.0	18.3	16.4	90.00	98.6	-300.2	326.1	293.4	32.72	9.966		
7,000.0	6,421.0	6,956.0	6,420.0	18.3	17.1	90.00	198.6	-299.2	326.1	292.0	34.05	9.577		
7,100.0	6,421.0	7,056.0	6,420.0	18.7	18.0	90.00	298.6	-298.2	326.1	290.3	35.72	9.128		
7,200.0	6,421.0	7,156.0	6,420.0	19.6	19.1	90.00	398.6	-297.2	326.1	288.4	37.71	8.646		
7,300.0	6,421.0	7,256.0	6,420.0	20.7	20.3	90.00	498.6	-296.2	326.1	286.1	39.97	8.157		
7,400.0	6,421.0	7,356.0	6,420.0	21.9	21.6	90.00	598.6	-295.2	326.1	283.6	42.46	7.679		
7,500.0	6,421.0	7,456.0	6,420.0	23.2	23.0	90.00	698.6	-294.2	326.1	280.9	45.14	7.224		
7,600.0	6,421.0	7,556.0	6,420.0	24.6	24.4	90.00	798.6	-293.2	326.1	278.1	47.97	6.797		
7,700.0	6,421.0	7,656.0	6,420.0	26.1	25.9	90.00	898.6	-292.2	326.1	275.1	50.94	6.401		
7,800.0	6,421.0	7,756.0	6,420.0	27.6	27.5	90.00	998.6	-291.2	326.1	272.0	54.01	6.037		
7,900.0	6,421.0	7,856.0	6,420.0	29.1	29.1	90.00	1,098.6	-290.2	326.1	268.9	57.18	5.702		
8,000.0	6,421.0	7,956.0	6,420.0	30.7	30.7	90.00	1,198.6	-289.2	326.1	265.6	60.42	5.396		
8,100.0	6,421.0	8,056.0	6,420.0	32.3	32.4	90.00	1,298.6	-288.2	326.1	262.3	63.73	5.116		
8,200.0	6,421.0	8,156.0	6,420.0	34.0	34.1	90.00	1,398.6	-287.2	326.1	259.0	67.10	4.859		
8,300.0	6,421.0	8,256.0	6,420.0	35.7	35.8	90.00	1,498.5	-286.2	326.1	255.5	70.52	4.624		
8,400.0	6,421.0	8,356.0	6,420.0	37.4	37.5	90.00	1,598.5	-285.2	326.0	252.1	73.97	4.408		
8,500.0	6,421.0	8,456.0	6,420.0	39.1	39.3	90.00	1,698.5	-284.2	326.0	248.6	77.46	4.209		
8,600.0	6,421.0	8,556.0	6,420.0	40.8	41.1	90.00	1,798.5	-283.2	326.0	245.1	80.99	4.026		
8,700.0	6,421.0	8,656.0	6,420.0	42.6	42.8	90.00	1,898.5	-282.2	326.0	241.5	84.54	3.857		
8,800.0	6,421.0	8,756.0	6,420.0	44.3	44.6	90.00	1,998.5	-281.2	326.0	237.9	88.11	3.700		
8,900.0	6,421.0	8,856.0	6,420.0	46.1	46.4	90.00	2,098.5	-280.2	326.0	234.3	91.71	3.555		
9,000.0	6,421.0	8,956.0	6,420.0	47.9	48.2	90.00	2,198.5	-279.2	326.0	230.7	95.32	3.420		
9,100.0	6,421.0	9,056.0	6,420.0	49.7	50.1	90.00	2,298.5	-278.2	326.0	227.1	98.95	3.295		
9,200.0	6,421.0	9,156.0	6,420.0	51.5	51.9	90.00	2,398.5	-277.2	326.0	223.4	102.60	3.178		
9,300.0	6,421.0	9,256.0	6,420.0	53.3	53.7	90.00	2,498.5	-276.2	326.0	219.8	106.25	3.068		
9,400.0	6,421.0	9,356.0	6,420.0	55.1	55.6	90.00	2,598.5	-275.2	326.0	216.1	109.92	2.966		
9,500.0	6,421.0	9,456.0	6,420.0	56.9	57.4	90.00	2,698.5	-274.2	326.0	212.4	113.61	2.870		
9,600.0	6,421.0	9,556.0	6,420.0	58.7	59.2	90.00	2,798.5	-273.2	326.0	208.7	117.30	2.779		
9,700.0	6,421.0	9,656.0	6,420.0	60.6	61.1	90.00	2,898.5	-272.2	326.0	205.0	121.00	2.694		
9,800.0	6,421.0	9,756.0	6,420.0	62.4	62.9	90.00	2,998.5	-271.2	326.0	201.3	124.71	2.614		
9,900.0	6,421.0	9,856.0	6,420.0	64.3	64.8	90.00	3,098.5	-270.2	326.0	197.6	128.42	2.539		
10,000.0	6,421.0	9,956.0	6,420.0	66.1	66.7	90.00	3,198.5	-269.2	326.0	193.9	132.15	2.467		

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 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Offset Design											State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O24-K21-26HNC - Wellbore #1		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 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		
10,100.0	6,421.0	10,056.0	6,420.0	68.0	68.5	90.00	3,298.5	-268.2	326.0	190.1	135.88	2.399		
10,200.0	6,421.0	10,156.0	6,420.0	69.8	70.4	90.00	3,398.5	-267.2	326.0	186.4	139.61	2.335		
10,300.0	6,421.0	10,256.0	6,420.0	71.7	72.3	90.00	3,498.4	-266.2	326.0	182.7	143.35	2.274		
10,400.0	6,421.0	10,356.0	6,420.0	73.5	74.1	90.00	3,598.4	-265.1	326.0	178.9	147.10	2.216		
10,500.0	6,421.0	10,456.0	6,420.0	75.4	76.0	90.00	3,698.4	-264.1	326.0	175.2	150.85	2.161		
10,600.0	6,421.0	10,556.0	6,420.0	77.3	77.9	90.00	3,798.4	-263.1	326.0	171.4	154.60	2.109		
10,700.0	6,421.0	10,656.0	6,420.0	79.1	79.8	90.00	3,898.4	-262.1	326.0	167.7	158.36	2.059		
10,800.0	6,421.0	10,756.0	6,420.0	81.0	81.6	90.00	3,998.4	-261.1	326.0	163.9	162.12	2.011		
10,900.0	6,421.0	10,856.0	6,420.0	82.9	83.5	90.00	4,098.4	-260.1	326.0	160.1	165.88	1.965		
11,000.0	6,421.0	10,956.0	6,420.0	84.7	85.4	90.00	4,198.4	-259.1	326.0	156.4	169.65	1.922		
11,001.9	6,421.0	10,957.9	6,420.0	84.8	85.5	90.00	4,200.3	-259.1	326.0	156.3	169.72	1.921		
11,002.5	6,421.0	10,958.1	6,420.0	84.8	85.5	90.00	4,200.5	-259.1	326.0	156.3	169.74	1.921 SF		

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O-K-26HNB - Wellbore #1 - Pla													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
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-180.00	-58.3	0.0	58.3				
100.0	100.0	98.0	98.0	0.1	0.1	-180.00	-180.00	-58.3	0.0	58.3	58.1	0.22	261.894	
200.0	200.0	198.0	198.0	0.3	0.3	-180.00	-180.00	-58.3	0.0	58.3	57.6	0.67	87.007 CC, ES	
300.0	300.0	296.1	296.1	0.6	0.5	-179.55	-179.55	-59.8	-0.5	59.9	58.8	1.09	54.753	
400.0	400.0	393.9	393.8	0.8	0.7	-178.32	-178.32	-64.6	-1.9	64.7	63.2	1.52	42.537	
500.0	500.0	491.3	490.8	1.0	1.0	-176.62	-176.62	-72.4	-4.3	72.9	70.9	1.98	36.849	
600.0	600.0	590.2	589.1	1.2	1.2	-174.90	-174.90	-82.7	-7.4	83.5	81.0	2.46	33.870	
700.0	700.0	689.6	687.9	1.5	1.5	-173.56	-173.56	-93.0	-10.5	94.1	91.2	2.96	31.816	
800.0	800.0	789.0	786.7	1.7	1.8	-172.49	-172.49	-103.4	-13.6	104.9	101.4	3.46	30.323	
900.0	900.0	888.5	885.7	1.9	2.1	-42.21	-42.21	-113.7	-16.8	114.3	110.6	3.75	30.526	
1,000.0	999.8	988.3	984.8	2.1	2.4	-42.98	-42.98	-124.1	-19.9	121.2	117.1	4.16	29.106	
1,100.0	1,099.5	1,088.1	1,084.1	2.3	2.7	-44.79	-44.79	-134.5	-23.0	125.6	121.0	4.60	27.288	
1,200.0	1,198.7	1,187.9	1,183.2	2.5	3.0	-47.63	-47.63	-144.9	-26.2	127.8	122.7	5.07	25.198	
1,300.0	1,297.5	1,287.5	1,282.3	2.8	3.3	-51.58	-51.58	-155.3	-29.3	128.1	122.5	5.59	22.938	
1,400.0	1,395.8	1,386.9	1,381.1	3.1	3.6	-56.38	-56.38	-165.6	-32.5	127.7	121.5	6.16	20.719	
1,404.4	1,400.1	1,391.2	1,385.4	3.1	3.6	-56.60	-56.60	-166.1	-32.6	127.7	121.5	6.19	20.630	
1,500.0	1,494.2	1,486.3	1,479.9	3.4	3.9	-61.22	-61.22	-176.0	-35.6	128.1	121.3	6.79	18.875	
1,600.0	1,592.5	1,585.7	1,578.7	3.8	4.2	-65.98	-65.98	-186.3	-38.7	129.4	122.0	7.45	17.368	
1,700.0	1,690.9	1,685.1	1,677.5	4.2	4.6	-70.62	-70.62	-196.7	-41.8	131.6	123.5	8.15	16.151	
1,800.0	1,789.2	1,784.5	1,776.4	4.5	4.9	-75.08	-75.08	-207.0	-45.0	134.7	125.8	8.87	15.179	
1,900.0	1,887.6	1,883.9	1,875.2	4.9	5.2	-79.32	-79.32	-217.4	-48.1	138.5	128.9	9.61	14.412	
2,000.0	1,985.9	1,983.3	1,974.0	5.3	5.5	-83.31	-83.31	-227.7	-51.2	143.1	132.7	10.36	13.814	
2,100.0	2,084.3	2,082.8	2,072.8	5.7	5.8	-87.04	-87.04	-238.1	-54.4	148.3	137.2	11.11	13.353	
2,200.0	2,182.6	2,182.2	2,171.6	6.1	6.1	-90.51	-90.51	-248.4	-57.5	154.1	142.3	11.85	13.004	
2,300.0	2,281.0	2,281.6	2,270.5	6.5	6.4	-93.71	-93.71	-258.8	-60.6	160.4	147.9	12.59	12.744	
2,400.0	2,379.3	2,381.0	2,369.3	6.9	6.7	-96.67	-96.67	-269.1	-63.7	167.2	153.9	13.32	12.555	
2,500.0	2,477.6	2,480.4	2,468.1	7.3	7.0	-99.39	-99.39	-279.5	-66.9	174.4	160.4	14.04	12.422	
2,600.0	2,576.0	2,579.8	2,566.9	7.7	7.3	-101.89	-101.89	-289.8	-70.0	182.0	167.3	14.76	12.335	
2,700.0	2,674.3	2,679.2	2,665.7	8.1	7.6	-104.18	-104.18	-300.2	-73.1	189.9	174.4	15.46	12.284	
2,800.0	2,772.7	2,778.6	2,764.6	8.5	7.9	-106.30	-106.30	-310.5	-76.3	198.1	181.9	16.15	12.261	
2,900.0	2,871.0	2,878.0	2,863.4	8.9	8.2	-108.24	-108.24	-320.9	-79.4	206.5	189.6	16.84	12.260	
3,000.0	2,969.4	2,977.4	2,962.2	9.3	8.5	-110.03	-110.03	-331.2	-82.5	215.1	197.6	17.52	12.277	
3,100.0	3,067.7	3,076.9	3,061.0	9.8	8.8	-111.68	-111.68	-341.6	-85.6	223.9	205.7	18.19	12.308	
3,200.0	3,166.1	3,176.3	3,159.8	10.2	9.2	-113.21	-113.21	-351.9	-88.8	232.9	214.1	18.86	12.350	
3,300.0	3,264.4	3,275.7	3,258.7	10.6	9.5	-114.62	-114.62	-362.3	-91.9	242.1	222.6	19.52	12.400	
3,400.0	3,362.8	3,375.1	3,357.5	11.0	9.8	-115.93	-115.93	-372.6	-95.0	251.4	231.2	20.18	12.456	
3,500.0	3,461.1	3,474.5	3,456.3	11.4	10.1	-117.14	-117.14	-383.0	-98.2	260.8	239.9	20.83	12.517	
3,600.0	3,559.5	3,573.9	3,555.1	11.8	10.4	-118.27	-118.27	-393.3	-101.3	270.3	248.8	21.48	12.582	
3,700.0	3,657.8	3,673.3	3,653.9	12.2	10.7	-119.32	-119.32	-403.7	-104.4	279.9	257.8	22.13	12.649	
3,800.0	3,756.2	3,772.7	3,752.8	12.6	11.0	-120.31	-120.31	-414.0	-107.6	289.6	266.8	22.77	12.718	
3,900.0	3,854.5	3,872.1	3,851.6	13.1	11.3	-121.22	-121.22	-424.4	-110.7	299.4	276.0	23.41	12.787	
4,000.0	3,952.9	3,971.5	3,950.4	13.5	11.6	-122.08	-122.08	-434.7	-113.8	309.2	285.2	24.05	12.858	
4,100.0	4,051.2	4,070.9	4,049.2	13.9	11.9	-122.89	-122.89	-445.1	-116.9	319.1	294.4	24.69	12.928	
4,200.0	4,149.6	4,170.4	4,148.0	14.3	12.2	-123.65	-123.65	-455.4	-120.1	329.1	303.8	25.32	12.998	
4,300.0	4,247.9	4,269.8	4,246.9	14.7	12.5	-124.36	-124.36	-465.8	-123.2	339.1	313.2	25.95	13.068	
4,400.0	4,346.2	4,369.2	4,345.7	15.1	12.8	-125.04	-125.04	-476.1	-126.3	349.2	322.6	26.58	13.137	
4,500.0	4,444.6	4,468.6	4,444.5	15.6	13.2	-125.67	-125.67	-486.5	-129.5	359.3	332.1	27.21	13.205	
4,600.0	4,542.9	4,568.0	4,543.3	16.0	13.5	-126.27	-126.27	-496.8	-132.6	369.5	341.7	27.84	13.272	
4,700.0	4,641.3	4,667.4	4,642.1	16.4	13.8	-126.84	-126.84	-507.2	-135.7	379.7	351.2	28.47	13.337	
4,800.0	4,739.6	4,766.3	4,740.4	16.8	14.0	-127.45	-127.45	-517.0	-138.7	390.0	360.9	29.06	13.422	
4,900.0	4,838.0	4,864.3	4,838.2	17.2	14.2	-128.45	-128.45	-523.9	-140.8	400.6	371.0	29.52	13.568	

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

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O-K-26HNB - Wellbore #1 - Pla													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)			
5,000.0	4,936.3	4,961.6	4,935.5	17.6	14.4	-129.85	-527.6	-141.9	411.7	381.8	29.90	13.770		
5,100.0	5,034.7	5,058.8	5,032.7	18.1	14.5	-131.59	-528.3	-142.1	423.5	393.3	30.22	14.016		
5,200.0	5,133.0	5,157.2	5,131.0	18.5	14.7	-133.36	-528.3	-142.1	435.8	405.3	30.50	14.288		
5,300.0	5,231.4	5,255.5	5,229.4	18.9	14.8	-135.03	-528.3	-142.1	448.6	417.8	30.78	14.572		
5,400.0	5,329.8	5,354.0	5,327.8	19.3	14.9	-136.65	-528.3	-142.1	461.4	430.3	31.04	14.861		
5,500.0	5,428.7	5,452.9	5,426.7	19.5	15.1	-138.02	-528.3	-142.1	472.2	441.0	31.25	15.108		
5,600.0	5,528.1	5,552.2	5,526.1	19.8	15.2	-139.02	-528.3	-142.1	480.6	449.2	31.48	15.270		
5,700.0	5,627.8	5,651.9	5,625.8	20.0	15.3	-139.69	-528.3	-142.1	486.5	454.8	31.70	15.346		
5,800.0	5,727.7	5,751.8	5,725.7	20.1	15.5	-140.06	-528.3	-142.1	489.8	457.9	31.94	15.336		
5,900.0	5,827.7	5,851.7	5,825.5	20.2	15.6	89.97	-528.1	-142.1	490.5	458.4	32.12	15.272		
6,000.0	5,927.6	5,949.1	5,922.1	20.4	15.7	88.09	-516.3	-142.0	490.8	458.6	32.20	15.239		
6,100.0	6,026.4	6,043.5	6,012.0	20.4	15.6	86.29	-488.0	-141.7	491.5	459.6	31.90	15.409		
6,200.0	6,120.5	6,135.5	6,093.3	20.3	15.5	84.63	-445.2	-141.3	492.7	461.3	31.41	15.685		
6,300.0	6,206.5	6,225.5	6,164.4	20.0	15.3	83.17	-390.2	-140.7	494.0	463.2	30.84	16.017		
6,400.0	6,281.2	6,314.0	6,224.0	19.8	15.1	81.95	-324.9	-140.1	495.4	465.1	30.31	16.344		
6,500.0	6,342.0	6,400.0	6,270.6	19.4	15.0	81.01	-252.8	-139.3	496.6	466.7	29.92	16.599		
6,600.0	6,386.5	6,487.7	6,305.2	19.1	15.0	80.34	-172.3	-138.5	497.5	467.8	29.78	16.705		
6,700.0	6,413.1	6,573.6	6,325.6	18.7	15.1	79.98	-89.0	-137.7	498.1	468.1	29.97	16.616		
6,800.0	6,421.0	6,659.9	6,332.0	18.5	15.4	79.94	-3.0	-136.8	498.1	467.6	30.51	16.326		
6,900.0	6,421.0	6,759.9	6,332.0	18.3	15.9	79.94	97.0	-135.8	498.1	466.7	31.43	15.848		
7,000.0	6,421.0	6,859.9	6,332.0	18.3	16.7	79.94	197.0	-134.8	498.1	465.3	32.78	15.194		
7,100.0	6,421.0	6,959.9	6,332.0	18.7	17.7	79.94	297.0	-133.8	498.1	463.6	34.48	14.448		
7,200.0	6,421.0	7,059.9	6,332.0	19.6	18.8	79.94	397.0	-132.8	498.1	461.6	36.49	13.652		
7,300.0	6,421.0	7,159.9	6,332.0	20.7	20.0	79.94	497.0	-131.8	498.1	459.3	38.76	12.850		
7,400.0	6,421.0	7,259.9	6,332.0	21.9	21.3	79.94	596.9	-130.8	498.1	456.8	41.26	12.072		
7,500.0	6,421.0	7,359.9	6,332.0	23.2	22.7	79.94	696.9	-129.8	498.1	454.2	43.94	11.335		
7,600.0	6,421.0	7,459.9	6,332.0	24.6	24.2	79.94	796.9	-128.8	498.1	451.3	46.78	10.648		
7,700.0	6,421.0	7,559.9	6,332.0	26.1	25.8	79.94	896.9	-127.8	498.1	448.4	49.74	10.014		
7,800.0	6,421.0	7,659.9	6,332.0	27.6	27.4	79.94	996.9	-126.8	498.1	445.3	52.81	9.432		
7,900.0	6,421.0	7,759.9	6,332.0	29.1	29.0	79.94	1,096.9	-125.8	498.1	442.1	55.97	8.900		
8,000.0	6,421.0	7,859.9	6,332.0	30.7	30.6	79.94	1,196.9	-124.8	498.1	438.9	59.20	8.415		
8,100.0	6,421.0	7,959.9	6,332.0	32.3	32.3	79.94	1,296.9	-123.8	498.1	435.6	62.49	7.971		
8,200.0	6,421.0	8,059.9	6,332.0	34.0	34.0	79.94	1,396.9	-122.8	498.1	432.3	65.83	7.566		
8,300.0	6,421.0	8,159.9	6,332.0	35.7	35.8	79.94	1,496.9	-121.8	498.1	428.9	69.22	7.195		
8,400.0	6,421.0	8,259.9	6,332.0	37.4	37.5	79.94	1,596.9	-120.8	498.1	425.4	72.65	6.856		
8,500.0	6,421.0	8,359.9	6,332.0	39.1	39.3	79.94	1,696.9	-119.8	498.1	422.0	76.12	6.544		
8,600.0	6,421.0	8,459.9	6,332.0	40.8	41.1	79.94	1,796.9	-118.8	498.1	418.5	79.61	6.256		
8,700.0	6,421.0	8,559.9	6,332.0	42.6	42.9	79.94	1,896.9	-117.8	498.1	415.0	83.13	5.992		
8,800.0	6,421.0	8,659.9	6,332.0	44.3	44.7	79.94	1,996.9	-116.8	498.1	411.4	86.67	5.747		
8,900.0	6,421.0	8,759.9	6,332.0	46.1	46.5	79.94	2,096.9	-115.8	498.1	407.8	90.23	5.520		
9,000.0	6,421.0	8,859.9	6,332.0	47.9	48.3	79.94	2,196.9	-114.8	498.1	404.3	93.81	5.309		
9,100.0	6,421.0	8,959.9	6,332.0	49.7	50.1	79.94	2,296.9	-113.8	498.1	400.7	97.41	5.113		
9,200.0	6,421.0	9,059.9	6,332.0	51.5	52.0	79.94	2,396.9	-112.8	498.1	397.1	101.01	4.931		
9,300.0	6,421.0	9,159.9	6,332.0	53.3	53.8	79.94	2,496.9	-111.8	498.1	393.4	104.63	4.760		
9,400.0	6,421.0	9,259.9	6,332.0	55.1	55.6	79.94	2,596.8	-110.8	498.1	389.8	108.27	4.600		
9,500.0	6,421.0	9,359.9	6,332.0	56.9	57.5	79.94	2,696.8	-109.8	498.1	386.2	111.91	4.451		
9,600.0	6,421.0	9,459.9	6,332.0	58.7	59.3	79.94	2,796.8	-108.8	498.1	382.5	115.56	4.310		
9,700.0	6,421.0	9,559.9	6,332.0	60.6	61.2	79.94	2,896.8	-107.8	498.1	378.8	119.22	4.178		
9,800.0	6,421.0	9,659.9	6,332.0	62.4	63.1	79.94	2,996.8	-106.8	498.1	375.2	122.89	4.053		
9,900.0	6,421.0	9,759.9	6,332.0	64.3	64.9	79.94	3,096.8	-105.8	498.1	371.5	126.56	3.935		
10,000.0	6,421.0	9,859.9	6,332.0	66.1	66.8	79.94	3,196.8	-104.8	498.1	367.8	130.24	3.824		

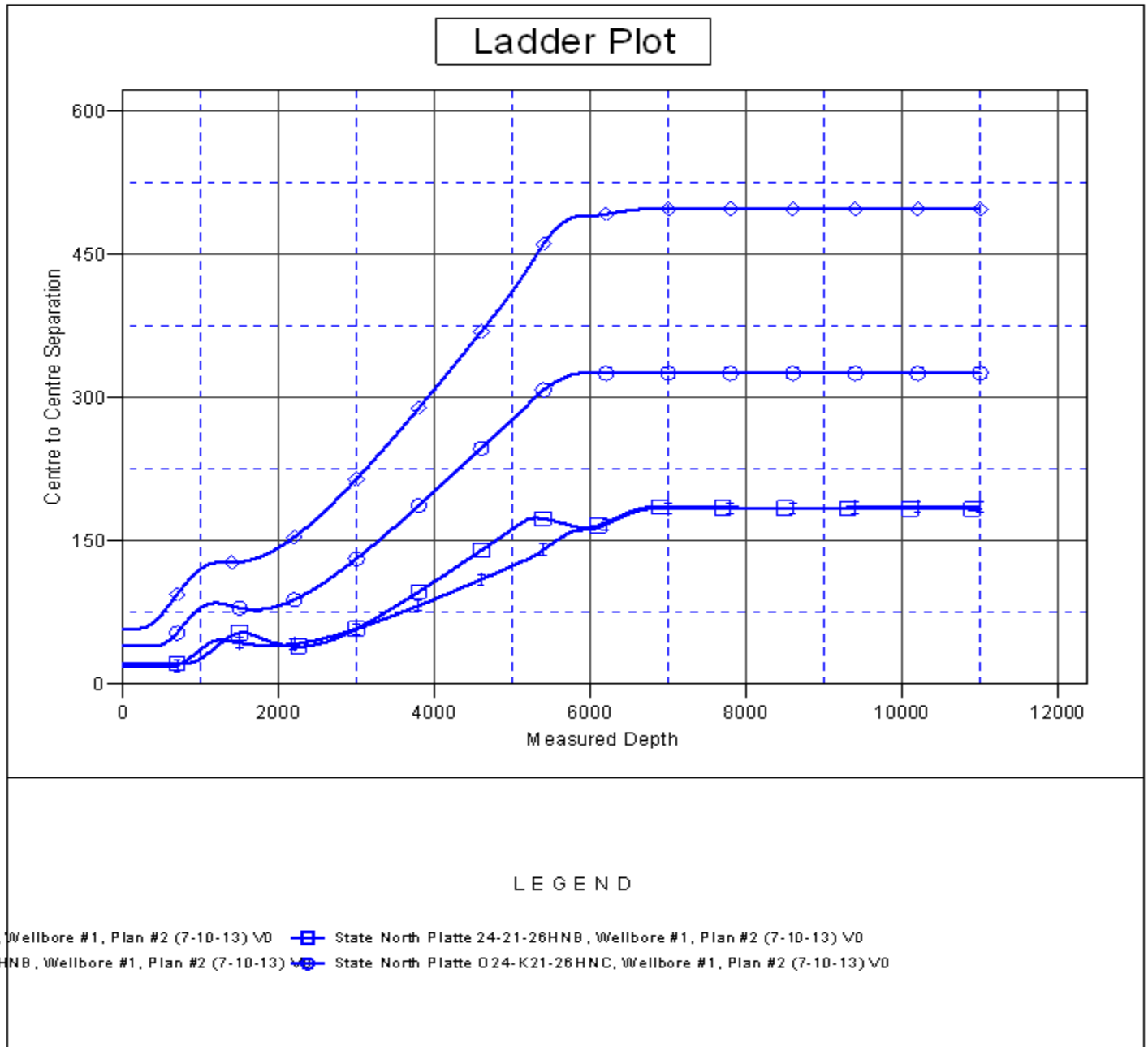
Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Offset Design										State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O-K-26HNB - Wellbore #1 - Pla		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)				
10,100.0	6,421.0	9,959.9	6,332.0	68.0	68.7	79.94	3,296.8	-103.8	498.1	364.1	133.93	3.719			
10,200.0	6,421.0	10,059.9	6,332.0	69.8	70.5	79.94	3,396.8	-102.8	498.1	360.4	137.62	3.619			
10,300.0	6,421.0	10,159.9	6,332.0	71.7	72.4	79.94	3,496.8	-101.8	498.1	356.7	141.32	3.524			
10,400.0	6,421.0	10,259.9	6,332.0	73.5	74.3	79.94	3,596.8	-100.8	498.1	353.0	145.02	3.434			
10,500.0	6,421.0	10,359.9	6,332.0	75.4	76.2	79.94	3,696.8	-99.8	498.1	349.3	148.73	3.349			
10,600.0	6,421.0	10,459.9	6,332.0	77.3	78.0	79.94	3,796.8	-98.8	498.0	345.6	152.44	3.267			
10,700.0	6,421.0	10,559.9	6,332.0	79.1	79.9	79.94	3,896.8	-97.8	498.0	341.9	156.15	3.190			
10,800.0	6,421.0	10,659.9	6,332.0	81.0	81.8	79.94	3,996.8	-96.8	498.0	338.2	159.87	3.115			
10,900.0	6,421.0	10,759.9	6,332.0	82.9	83.7	79.94	4,096.8	-95.8	498.0	334.5	163.59	3.045			
11,000.0	6,421.0	10,859.9	6,332.0	84.7	85.6	79.94	4,196.8	-94.8	498.0	330.7	167.31	2.977			
11,002.5	6,421.0	10,862.4	6,332.0	84.8	85.6	79.94	4,199.3	-94.7	498.0	330.6	167.40	2.975 SF			

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4566.0ft (RKB-15')
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: State North Platte 24-21-26HNC
 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 24-21-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4566.0ft (RKB-15')
Reference Site:	State North Platte 24-21-26HNB Sec.26-T5N-R63W	MD Reference:	WELL @ 4566.0ft (RKB-15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 24-21-26HNC	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 (7-10-13)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4566.0ft (RKB-15')
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: State North Platte 24-21-26HNC
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.71°

