

BONANZA CREEK ENERGY OPERATING

Well Name: **State North Platte 41-44-26HNC**

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

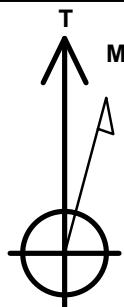
Ground Elevation: 4563.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1381490.13	3307465.11	40.375340	-104.396410	

RKB - 15' WELL @ 4578.0ft (RKB - 15')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 758'FNL & 764'FEL	1.0	0.0	0.0	Point
BHL 470'FSL & 800'FEL	6464.0	-3963.7	-99.8	Point
T1 531'FNL & 800'FEL	6464.0	225.9	-32.9	Point



Azimuths to True North
Magnetic North: 8.37°

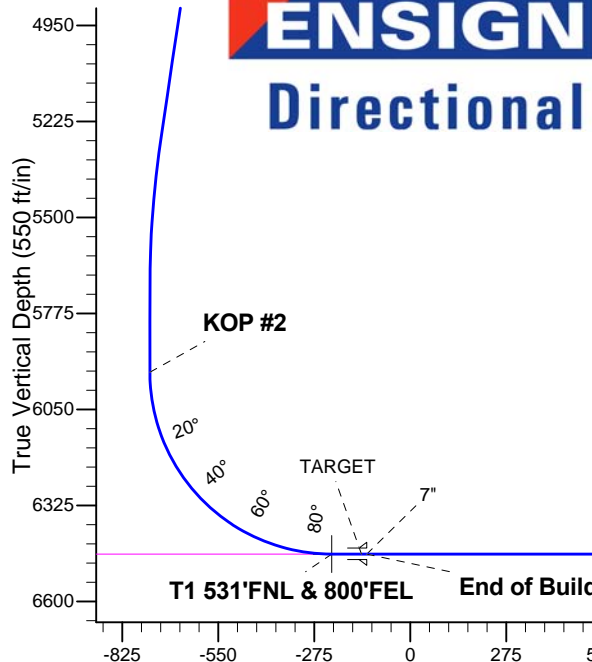
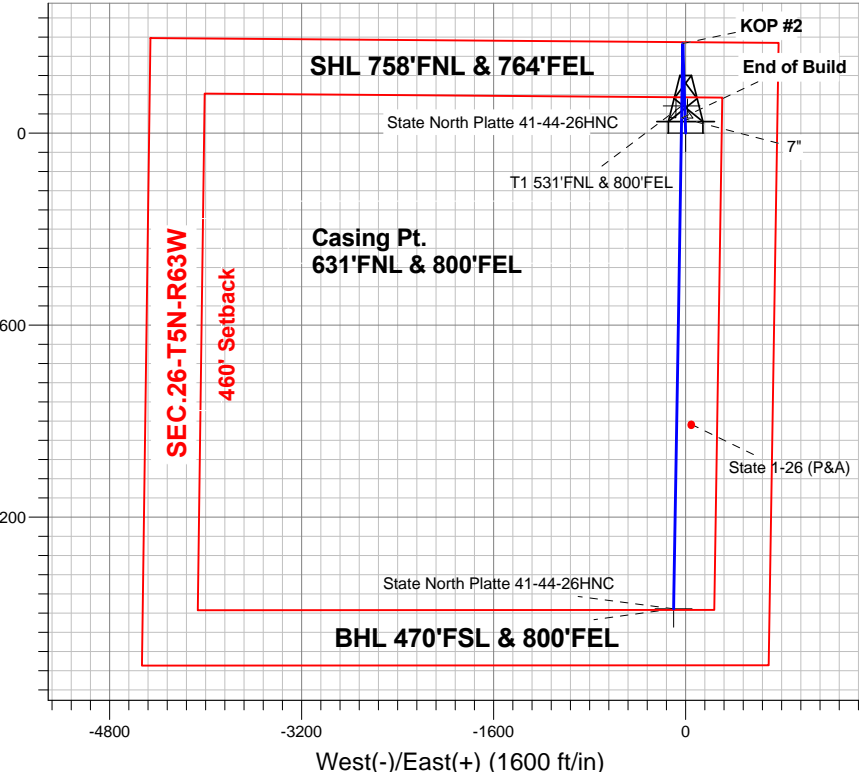
Magnetic Field
Strength: 52926.6snT
Dip Angle: 67.01°
Date: 8/29/2013
Model: IGRF2010

State North Platte 41-26 Pad Sec.26-T5N-R63W
State North Platte 41-44-26HNC
Plan #4 (8-29-13)
8:18, August 30 2013

ANNOTATIONS

TVD	MD	Annotation
200.0	200.0	KOP #1
5943.1	5996.3	KOP #2
6464.0	6914.5	End of Build

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



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	618.3	8.37	358.26	616.8	30.5	-0.9	2.00	358.26	-30.4	
4	5334.8	8.37	358.26	5283.2	716.4	-21.8	0.00	0.00	-715.4	
5	5753.2	0.00	0.00	5700.0	746.9	-22.7	2.00	180.00	-745.9	
6	5996.3	0.00	0.00	5943.1	746.9	-22.7	0.00	0.00	-745.9	
7	6814.5	90.00	180.94	6464.0	226.1	-31.2	11.00	180.94	-225.0	
8	6914.5	90.00	180.94	6464.0	126.1	-32.9	0.00	0.00	-125.0	
9	6914.5	90.00	180.94	6464.0	126.1	-32.9	11.00	180.00	-125.0	
10	11004.8	90.00	180.94	6464.0	-3963.7	-99.8	0.00	0.00	3964.9	BHL 470'FSL & 800'FEL

BHL 470'FSL & 800'FEL

Vertical Section at 181.75° (550 ft/in)



BONANZA CREEK ENERGY OPERATING

SEC.26-T5N-R63W

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

State North Platte 41-44-26HNC

Wellbore #1

Plan: Plan #4 (8-29-13)

Standard Planning Report

30 August, 2013

Database:	Landmark	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Company:	BONANZA CREEK ENERGY OPERATING	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Project:	SEC.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	North Reference:	True
Well:	State North Platte 41-44-26HNC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #4 (8-29-13)		

Project	SEC.26-T5N-R63W, Weld County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site						State North Platte 41-26 Pad Sec.26-T5N-R63W											
Site Position:						Northing:			1,381,369.93 ft			Latitude:			40.375010		
From:			Lat/Long			Easting:			3,307,466.61 ft			Longitude:			-104.396410		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.71 °		

Well	State North Platte 41-44-26HNC					
Well Position	+N/-S	120.2 ft	Northing:	1,381,490.13 ft	Latitude:	40.375340
	+E/-W	0.0 ft	Easting:	3,307,465.11 ft	Longitude:	-104.396410
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,563.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/29/2013	8.37	67.01	52,927

Design	Plan #4 (8-29-13)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	181.75

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
618.3	8.37	358.26	616.8	30.5	-0.9	2.00	2.00	0.00	358.26	
5,334.8	8.37	358.26	5,283.2	716.4	-21.8	0.00	0.00	0.00	0.00	
5,753.2	0.00	0.00	5,700.0	746.9	-22.7	2.00	-2.00	0.00	180.00	
5,996.3	0.00	0.00	5,943.1	746.9	-22.7	0.00	0.00	0.00	0.00	
6,814.5	90.00	180.94	6,464.0	226.1	-31.2	11.00	11.00	0.00	180.94	
6,914.5	90.00	180.94	6,464.0	126.1	-32.9	0.00	0.00	0.00	0.00	
6,914.5	90.00	180.94	6,464.0	126.1	-32.9	11.00	11.00	0.00	180.00	
11,004.8	90.00	180.94	6,464.0	-3,963.7	-99.8	0.00	0.00	0.00	0.00	BHL 470'FSL & 80C

Database:	Landmark	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Company:	BONANZA CREEK ENERGY OPERATING	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Project:	SEC.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	North Reference:	True
Well:	State North Platte 41-44-26HNC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #4 (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
KOP #1									
300.0	2.00	358.26	300.0	1.7	-0.1	-1.7	2.00	2.00	0.00
400.0	4.00	358.26	399.8	7.0	-0.2	-7.0	2.00	2.00	0.00
500.0	6.00	358.26	499.5	15.7	-0.5	-15.7	2.00	2.00	0.00
600.0	8.00	358.26	598.7	27.9	-0.8	-27.8	2.00	2.00	0.00
618.3	8.37	358.26	616.8	30.5	-0.9	-30.4	2.00	2.00	0.00
700.0	8.37	358.26	697.6	42.4	-1.3	-42.3	0.00	0.00	0.00
800.0	8.37	358.26	796.6	56.9	-1.7	-56.8	0.00	0.00	0.00
900.0	8.37	358.26	895.5	71.4	-2.2	-71.3	0.00	0.00	0.00
1,000.0	8.37	358.26	994.5	86.0	-2.6	-85.9	0.00	0.00	0.00
1,100.0	8.37	358.26	1,093.4	100.5	-3.1	-100.4	0.00	0.00	0.00
1,200.0	8.37	358.26	1,192.3	115.1	-3.5	-114.9	0.00	0.00	0.00
1,300.0	8.37	358.26	1,291.3	129.6	-3.9	-129.4	0.00	0.00	0.00
1,400.0	8.37	358.26	1,390.2	144.2	-4.4	-144.0	0.00	0.00	0.00
1,500.0	8.37	358.26	1,489.1	158.7	-4.8	-158.5	0.00	0.00	0.00
1,600.0	8.37	358.26	1,588.1	173.2	-5.3	-173.0	0.00	0.00	0.00
1,700.0	8.37	358.26	1,687.0	187.8	-5.7	-187.5	0.00	0.00	0.00
1,800.0	8.37	358.26	1,785.9	202.3	-6.1	-202.1	0.00	0.00	0.00
1,900.0	8.37	358.26	1,884.9	216.9	-6.6	-216.6	0.00	0.00	0.00
2,000.0	8.37	358.26	1,983.8	231.4	-7.0	-231.1	0.00	0.00	0.00
2,100.0	8.37	358.26	2,082.7	246.0	-7.5	-245.6	0.00	0.00	0.00
2,200.0	8.37	358.26	2,181.7	260.5	-7.9	-260.1	0.00	0.00	0.00
2,300.0	8.37	358.26	2,280.6	275.1	-8.4	-274.7	0.00	0.00	0.00
2,400.0	8.37	358.26	2,379.6	289.6	-8.8	-289.2	0.00	0.00	0.00
2,500.0	8.37	358.26	2,478.5	304.1	-9.2	-303.7	0.00	0.00	0.00
2,600.0	8.37	358.26	2,577.4	318.7	-9.7	-318.2	0.00	0.00	0.00
2,700.0	8.37	358.26	2,676.4	333.2	-10.1	-332.8	0.00	0.00	0.00
2,800.0	8.37	358.26	2,775.3	347.8	-10.6	-347.3	0.00	0.00	0.00
2,900.0	8.37	358.26	2,874.2	362.3	-11.0	-361.8	0.00	0.00	0.00
3,000.0	8.37	358.26	2,973.2	376.9	-11.5	-376.3	0.00	0.00	0.00
3,100.0	8.37	358.26	3,072.1	391.4	-11.9	-390.9	0.00	0.00	0.00
3,200.0	8.37	358.26	3,171.0	405.9	-12.3	-405.4	0.00	0.00	0.00
3,300.0	8.37	358.26	3,270.0	420.5	-12.8	-419.9	0.00	0.00	0.00
3,400.0	8.37	358.26	3,368.9	435.0	-13.2	-434.4	0.00	0.00	0.00
3,500.0	8.37	358.26	3,467.8	449.6	-13.7	-448.9	0.00	0.00	0.00
3,600.0	8.37	358.26	3,566.8	464.1	-14.1	-463.5	0.00	0.00	0.00
3,700.0	8.37	358.26	3,665.7	478.7	-14.5	-478.0	0.00	0.00	0.00
3,800.0	8.37	358.26	3,764.7	493.2	-15.0	-492.5	0.00	0.00	0.00
3,900.0	8.37	358.26	3,863.6	507.7	-15.4	-507.0	0.00	0.00	0.00
4,000.0	8.37	358.26	3,962.5	522.3	-15.9	-521.6	0.00	0.00	0.00
4,100.0	8.37	358.26	4,061.5	536.8	-16.3	-536.1	0.00	0.00	0.00
4,200.0	8.37	358.26	4,160.4	551.4	-16.8	-550.6	0.00	0.00	0.00
4,300.0	8.37	358.26	4,259.3	565.9	-17.2	-565.1	0.00	0.00	0.00
4,400.0	8.37	358.26	4,358.3	580.5	-17.6	-579.7	0.00	0.00	0.00
4,500.0	8.37	358.26	4,457.2	595.0	-18.1	-594.2	0.00	0.00	0.00
4,600.0	8.37	358.26	4,556.1	609.6	-18.5	-608.7	0.00	0.00	0.00
4,700.0	8.37	358.26	4,655.1	624.1	-19.0	-623.2	0.00	0.00	0.00
4,800.0	8.37	358.26	4,754.0	638.6	-19.4	-637.8	0.00	0.00	0.00
4,900.0	8.37	358.26	4,852.9	653.2	-19.9	-652.3	0.00	0.00	0.00
5,000.0	8.37	358.26	4,951.9	667.7	-20.3	-666.8	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Company:	BONANZA CREEK ENERGY OPERATING	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Project:	SEC.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	North Reference:	True
Well:	State North Platte 41-44-26HNC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #4 (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	8.37	358.26	5,050.8	682.3	-20.7	-681.3	0.00	0.00	0.00
5,200.0	8.37	358.26	5,149.8	696.8	-21.2	-695.8	0.00	0.00	0.00
5,300.0	8.37	358.26	5,248.7	711.4	-21.6	-710.4	0.00	0.00	0.00
5,334.8	8.37	358.26	5,283.2	716.4	-21.8	-715.4	0.00	0.00	0.00
5,400.0	7.06	358.26	5,347.7	725.2	-22.0	-724.2	2.00	-2.00	0.00
5,500.0	5.06	358.26	5,447.2	735.7	-22.4	-734.7	2.00	-2.00	0.00
5,600.0	3.06	358.26	5,546.9	742.8	-22.6	-741.8	2.00	-2.00	0.00
5,700.0	1.06	358.26	5,646.8	746.4	-22.7	-745.4	2.00	-2.00	0.00
5,753.2	0.00	0.00	5,700.0	746.9	-22.7	-745.9	2.00	-2.00	0.00
5,800.0	0.00	0.00	5,746.8	746.9	-22.7	-745.9	0.00	0.00	0.00
5,900.0	0.00	0.00	5,846.8	746.9	-22.7	-745.9	0.00	0.00	0.00
5,996.3	0.00	0.00	5,943.1	746.9	-22.7	-745.9	0.00	0.00	0.00
KOP #2									
6,000.0	0.41	180.94	5,946.8	746.9	-22.7	-745.8	11.02	11.02	0.00
6,100.0	11.41	180.94	6,046.2	736.6	-22.9	-735.6	11.00	11.00	0.00
6,200.0	22.41	180.94	6,141.7	707.6	-23.3	-706.5	11.00	11.00	0.00
6,300.0	33.41	180.94	6,229.9	660.8	-24.1	-659.8	11.00	11.00	0.00
6,400.0	44.41	180.94	6,307.6	598.1	-25.1	-597.1	11.00	11.00	0.00
6,500.0	55.41	180.94	6,371.9	521.8	-26.4	-520.7	11.00	11.00	0.00
6,600.0	66.41	180.94	6,420.5	434.5	-27.8	-433.5	11.00	11.00	0.00
6,700.0	77.41	180.94	6,451.5	339.6	-29.4	-338.6	11.00	11.00	0.00
6,800.0	88.41	180.94	6,463.8	240.6	-31.0	-239.5	11.00	11.00	0.00
6,814.5	90.00	180.94	6,464.0	226.1	-31.2	-225.0	11.00	11.00	0.00
TARGET									
6,900.0	90.00	180.94	6,464.0	140.6	-32.6	-139.5	0.00	0.00	0.00
6,914.5	90.00	180.94	6,464.0	126.1	-32.9	-125.0	0.00	0.00	0.00
End of Build - 7"									
7,000.0	90.00	180.94	6,464.0	40.6	-34.3	-39.5	0.00	0.00	0.00
7,100.0	90.00	180.94	6,464.0	-59.4	-35.9	60.5	0.00	0.00	0.00
7,200.0	90.00	180.94	6,464.0	-159.4	-37.5	160.4	0.00	0.00	0.00
7,300.0	90.00	180.94	6,464.0	-259.4	-39.2	260.4	0.00	0.00	0.00
7,400.0	90.00	180.94	6,464.0	-359.3	-40.8	360.4	0.00	0.00	0.00
7,500.0	90.00	180.94	6,464.0	-459.3	-42.4	460.4	0.00	0.00	0.00
7,600.0	90.00	180.94	6,464.0	-559.3	-44.1	560.4	0.00	0.00	0.00
7,700.0	90.00	180.94	6,464.0	-659.3	-45.7	660.4	0.00	0.00	0.00
7,800.0	90.00	180.94	6,464.0	-759.3	-47.4	760.4	0.00	0.00	0.00
7,900.0	90.00	180.94	6,464.0	-859.3	-49.0	860.4	0.00	0.00	0.00
8,000.0	90.00	180.94	6,464.0	-959.3	-50.6	960.4	0.00	0.00	0.00
8,100.0	90.00	180.94	6,464.0	-1,059.3	-52.3	1,060.4	0.00	0.00	0.00
8,200.0	90.00	180.94	6,464.0	-1,159.2	-53.9	1,160.3	0.00	0.00	0.00
8,300.0	90.00	180.94	6,464.0	-1,259.2	-55.5	1,260.3	0.00	0.00	0.00
8,400.0	90.00	180.94	6,464.0	-1,359.2	-57.2	1,360.3	0.00	0.00	0.00
8,500.0	90.00	180.94	6,464.0	-1,459.2	-58.8	1,460.3	0.00	0.00	0.00
8,600.0	90.00	180.94	6,464.0	-1,559.2	-60.4	1,560.3	0.00	0.00	0.00
8,700.0	90.00	180.94	6,464.0	-1,659.2	-62.1	1,660.3	0.00	0.00	0.00
8,800.0	90.00	180.94	6,464.0	-1,759.2	-63.7	1,760.3	0.00	0.00	0.00
8,900.0	90.00	180.94	6,464.0	-1,859.1	-65.4	1,860.3	0.00	0.00	0.00
9,000.0	90.00	180.94	6,464.0	-1,959.1	-67.0	1,960.3	0.00	0.00	0.00
9,100.0	90.00	180.94	6,464.0	-2,059.1	-68.6	2,060.3	0.00	0.00	0.00
9,200.0	90.00	180.94	6,464.0	-2,159.1	-70.3	2,160.2	0.00	0.00	0.00
9,300.0	90.00	180.94	6,464.0	-2,259.1	-71.9	2,260.2	0.00	0.00	0.00
9,400.0	90.00	180.94	6,464.0	-2,359.1	-73.5	2,360.2	0.00	0.00	0.00
9,500.0	90.00	180.94	6,464.0	-2,459.1	-75.2	2,460.2	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Company:	BONANZA CREEK ENERGY OPERATING	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Project:	SEC.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	North Reference:	True
Well:	State North Platte 41-44-26HNC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #4 (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)
9,600.0	90.00	180.94	6,464.0	-2,559.1	-76.8	2,560.2	0.00	0.00	0.00
9,700.0	90.00	180.94	6,464.0	-2,659.0	-78.4	2,660.2	0.00	0.00	0.00
9,800.0	90.00	180.94	6,464.0	-2,759.0	-80.1	2,760.2	0.00	0.00	0.00
9,900.0	90.00	180.94	6,464.0	-2,859.0	-81.7	2,860.2	0.00	0.00	0.00
10,000.0	90.00	180.94	6,464.0	-2,959.0	-83.4	2,960.2	0.00	0.00	0.00
10,100.0	90.00	180.94	6,464.0	-3,059.0	-85.0	3,060.2	0.00	0.00	0.00
10,200.0	90.00	180.94	6,464.0	-3,159.0	-86.6	3,160.1	0.00	0.00	0.00
10,300.0	90.00	180.94	6,464.0	-3,259.0	-88.3	3,260.1	0.00	0.00	0.00
10,400.0	90.00	180.94	6,464.0	-3,358.9	-89.9	3,360.1	0.00	0.00	0.00
10,500.0	90.00	180.94	6,464.0	-3,458.9	-91.5	3,460.1	0.00	0.00	0.00
10,600.0	90.00	180.94	6,464.0	-3,558.9	-93.2	3,560.1	0.00	0.00	0.00
10,700.0	90.00	180.94	6,464.0	-3,658.9	-94.8	3,660.1	0.00	0.00	0.00
10,800.0	90.00	180.94	6,464.0	-3,758.9	-96.4	3,760.1	0.00	0.00	0.00
10,900.0	90.00	180.94	6,464.0	-3,858.9	-98.1	3,860.1	0.00	0.00	0.00
11,000.0	90.00	180.94	6,464.0	-3,958.9	-99.7	3,960.1	0.00	0.00	0.00
11,004.8	90.00	180.94	6,464.0	-3,963.7	-99.8	3,964.9	0.00	0.00	0.00

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
6,914.5	6,464.0	7"	7	7-1/2

Formations				
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)
6,814.5	6,464.0	TARGET		0.00

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP #1
5,996.3	5,943.1	746.9	-22.7	KOP #2
6,914.5	6,464.0	126.1	-32.9	End of Build



BONANZA CREEK ENERGY OPERATING

SEC.26-T5N-R63W

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

State North Platte 41-44-26HNC

Wellbore #1

Plan #4 (8-29-13)

Anticollision Report

30 August, 2013

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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
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
1,300.0	1,291.3	1,269.3	1,269.3	3.7	25.4	-179.40	-179.40	-2,426.3	47.4	2,556.4	2,528.4	28.07	91.087	
1,400.0	1,390.2	1,368.2	1,368.2	4.0	27.4	-179.41	-179.41	-2,426.3	47.4	2,571.0	2,540.7	30.27	84.938	
1,500.0	1,489.1	1,467.1	1,467.1	4.3	29.3	-179.41	-179.41	-2,426.3	47.4	2,585.5	2,553.1	32.47	79.622	
1,600.0	1,588.1	1,566.1	1,566.1	4.7	31.3	-179.41	-179.41	-2,426.3	47.4	2,600.1	2,565.4	34.68	74.982	
1,700.0	1,687.0	1,665.0	1,665.0	5.0	33.3	-179.42	-179.42	-2,426.3	47.4	2,614.6	2,577.8	36.88	70.895	
1,800.0	1,785.9	1,763.9	1,763.9	5.4	35.3	-179.42	-179.42	-2,426.3	47.4	2,629.2	2,590.1	39.08	67.270	
1,900.0	1,884.9	1,862.9	1,862.9	5.7	37.3	-179.42	-179.42	-2,426.3	47.4	2,643.7	2,602.4	41.29	64.031	
2,000.0	1,983.8	1,961.8	1,961.8	6.1	39.2	-179.43	-179.43	-2,426.3	47.4	2,658.3	2,614.8	43.49	61.120	
2,100.0	2,082.7	2,060.7	2,060.7	6.4	41.2	-179.43	-179.43	-2,426.3	47.4	2,672.8	2,627.1	45.70	58.490	
2,200.0	2,181.7	2,159.7	2,159.7	6.8	43.2	-179.43	-179.43	-2,426.3	47.4	2,687.4	2,639.5	47.90	56.102	
2,300.0	2,280.6	2,258.6	2,258.6	7.1	45.2	-179.44	-179.44	-2,426.3	47.4	2,701.9	2,651.8	50.11	53.924	
2,400.0	2,379.6	2,357.6	2,357.6	7.5	47.2	-179.44	-179.44	-2,426.3	47.4	2,716.5	2,664.2	52.31	51.930	
2,500.0	2,478.5	2,456.5	2,456.5	7.8	49.1	-179.44	-179.44	-2,426.3	47.4	2,731.0	2,676.5	54.52	50.097	
2,600.0	2,577.4	2,555.4	2,555.4	8.1	51.1	-179.44	-179.44	-2,426.3	47.4	2,745.6	2,688.9	56.72	48.406	
2,700.0	2,676.4	2,654.4	2,654.4	8.5	53.1	-179.45	-179.45	-2,426.3	47.4	2,760.1	2,701.2	58.92	46.842	
2,800.0	2,775.3	2,753.3	2,753.3	8.8	55.1	-179.45	-179.45	-2,426.3	47.4	2,774.7	2,713.6	61.13	45.390	
2,900.0	2,874.2	2,852.2	2,852.2	9.2	57.0	-179.45	-179.45	-2,426.3	47.4	2,789.2	2,725.9	63.33	44.040	
3,000.0	2,973.2	2,951.2	2,951.2	9.5	59.0	-179.46	-179.46	-2,426.3	47.4	2,803.8	2,738.2	65.54	42.780	
3,100.0	3,072.1	3,050.1	3,050.1	9.9	61.0	-179.46	-179.46	-2,426.3	47.4	2,818.3	2,750.6	67.74	41.603	
3,200.0	3,171.0	3,149.0	3,149.0	10.2	63.0	-179.46	-179.46	-2,426.3	47.4	2,832.9	2,762.9	69.95	40.499	
3,300.0	3,270.0	3,248.0	3,248.0	10.6	65.0	-179.46	-179.46	-2,426.3	47.4	2,847.4	2,775.3	72.15	39.464	
3,400.0	3,368.9	3,346.9	3,346.9	10.9	66.9	-179.47	-179.47	-2,426.3	47.4	2,862.0	2,787.6	74.36	38.489	
3,500.0	3,467.8	3,445.8	3,445.8	11.3	68.9	-179.47	-179.47	-2,426.3	47.4	2,876.5	2,800.0	76.56	37.571	
3,600.0	3,566.8	3,544.8	3,544.8	11.6	70.9	-179.47	-179.47	-2,426.3	47.4	2,891.1	2,812.3	78.77	36.704	
3,700.0	3,665.7	3,643.7	3,643.7	12.0	72.9	-179.47	-179.47	-2,426.3	47.4	2,905.6	2,824.7	80.97	35.884	
3,800.0	3,764.7	3,742.7	3,742.7	12.3	74.9	-179.48	-179.48	-2,426.3	47.4	2,920.2	2,837.0	83.18	35.108	
3,900.0	3,863.6	3,841.6	3,841.6	12.7	76.8	-179.48	-179.48	-2,426.3	47.4	2,934.7	2,849.3	85.38	34.371	
4,000.0	3,962.5	3,940.5	3,940.5	13.0	78.8	-179.48	-179.48	-2,426.3	47.4	2,949.3	2,861.7	87.59	33.672	
4,100.0	4,061.5	4,039.5	4,039.5	13.4	80.8	-179.48	-179.48	-2,426.3	47.4	2,963.8	2,874.0	89.79	33.007	
4,200.0	4,160.4	4,138.4	4,138.4	13.7	82.8	-179.49	-179.49	-2,426.3	47.4	2,978.4	2,886.4	92.00	32.374	
4,300.0	4,259.3	4,237.3	4,237.3	14.1	84.7	-179.49	-179.49	-2,426.3	47.4	2,992.9	2,898.7	94.20	31.771	
4,400.0	4,358.3	4,336.3	4,336.3	14.4	86.7	-179.49	-179.49	-2,426.3	47.4	3,007.5	2,911.1	96.41	31.195	
4,500.0	4,457.2	4,435.2	4,435.2	14.8	88.7	-179.49	-179.49	-2,426.3	47.4	3,022.0	2,923.4	98.61	30.645	
4,600.0	4,556.1	4,534.1	4,534.1	15.1	90.7	-179.50	-179.50	-2,426.3	47.4	3,036.6	2,935.8	100.82	30.119	
4,700.0	4,655.1	4,633.1	4,633.1	15.4	92.7	-179.50	-179.50	-2,426.3	47.4	3,051.1	2,948.1	103.02	29.616	
4,800.0	4,754.0	4,732.0	4,732.0	15.8	94.6	-179.50	-179.50	-2,426.3	47.4	3,065.7	2,960.5	105.23	29.134	
4,900.0	4,852.9	4,830.9	4,830.9	16.1	96.6	-179.50	-179.50	-2,426.3	47.4	3,080.2	2,972.8	107.43	28.671	
5,000.0	4,951.9	4,929.9	4,929.9	16.5	98.6	-179.51	-179.51	-2,426.3	47.4	3,094.8	2,985.1	109.64	28.227	
5,100.0	5,050.8	5,028.8	5,028.8	16.8	100.6	-179.51	-179.51	-2,426.3	47.4	3,109.3	2,997.5	111.84	27.801	
5,200.0	5,149.8	5,127.8	5,127.8	17.2	102.6	-179.51	-179.51	-2,426.3	47.4	3,123.9	3,009.8	114.05	27.391	
5,300.0	5,248.7	5,226.7	5,226.7	17.5	104.5	-179.51	-179.51	-2,426.3	47.4	3,138.4	3,022.2	116.25	26.996	
5,334.8	5,283.2	5,261.2	5,261.2	17.7	105.2	-179.51	-179.51	-2,426.3	47.4	3,143.5	3,026.5	117.02	26.863	
5,400.0	5,347.7	5,325.7	5,325.7	17.9	106.5	-179.52	-179.52	-2,426.3	47.4	3,152.2	3,033.5	118.77	26.542	
5,500.0	5,447.2	5,425.2	5,425.2	18.1	108.5	-179.52	-179.52	-2,426.3	47.4	3,162.8	3,041.5	121.31	26.072	
5,600.0	5,546.9	5,524.9	5,524.9	18.3	110.5	-179.52	-179.52	-2,426.3	47.4	3,169.9	3,046.2	123.72	25.621	
5,700.0	5,646.8	5,624.8	5,624.8	18.4	112.5	-179.52	-179.52	-2,426.3	47.4	3,173.5	3,047.5	125.98	25.190	
5,753.2	5,700.0	5,678.0	5,678.0	18.5	113.6	178.74	178.74	-2,426.3	47.4	3,174.0	3,046.9	127.12	24.968	
5,800.0	5,746.8	5,724.8	5,724.8	18.6	114.5	178.74	178.74	-2,426.3	47.4	3,174.0	3,045.8	128.14	24.769	
5,900.0	5,846.8	5,824.8	5,824.8	18.7	116.5	178.74	178.74	-2,426.3	47.4	3,174.0	3,043.6	130.35	24.350	
5,996.3	5,943.1	5,921.1	5,921.1	18.9	118.4	178.74	178.74	-2,426.3	47.4	3,174.0	3,041.5	132.47	23.959	
6,000.0	5,946.8	5,924.8	5,924.8	18.9	118.5	-2.20	-2.20	-2,426.3	47.4	3,174.0	3,041.4	132.54	23.947	

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 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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 (°)	Distance		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
6,050.0	5,996.7	5,974.7	5,974.7	18.9	119.5	-2.22	-2,426.3	47.4	3,171.2	3,038.4	132.77	23.885		
6,100.0	6,046.2	6,024.2	6,024.2	18.9	120.5	-2.25	-2,426.3	47.4	3,163.7	3,031.9	131.76	24.011		
6,150.0	6,094.6	6,072.6	6,072.6	18.8	121.5	-2.32	-2,426.3	47.4	3,151.5	3,022.0	129.49	24.337		
6,200.0	6,141.7	6,119.7	6,119.7	18.7	122.4	-2.41	-2,426.3	47.4	3,134.7	3,008.7	125.97	24.884		
6,250.0	6,186.9	6,164.9	6,164.9	18.6	123.3	-2.54	-2,426.3	47.4	3,113.5	2,992.2	121.22	25.684		
6,300.0	6,229.9	6,207.9	6,207.9	18.4	124.2	-2.71	-2,426.3	47.4	3,088.0	2,972.7	115.27	26.789		
6,350.0	6,270.3	6,248.3	6,248.3	18.2	125.0	-2.94	-2,426.3	47.4	3,058.5	2,950.3	108.18	28.272		
6,400.0	6,307.6	6,285.6	6,285.6	17.9	125.7	-3.23	-2,426.3	47.4	3,025.3	2,925.3	100.04	30.241		
6,450.0	6,341.6	6,319.6	6,319.6	17.7	126.4	-3.63	-2,426.3	47.4	2,988.7	2,897.8	90.96	32.859		
6,500.0	6,371.9	6,349.9	6,349.9	17.4	127.0	-4.17	-2,426.3	47.4	2,949.0	2,867.9	81.09	36.367		
6,550.0	6,398.3	6,376.3	6,376.3	17.2	127.5	-4.94	-2,426.3	47.4	2,906.6	2,835.9	70.68	41.125		
6,600.0	6,420.5	6,398.5	6,398.5	17.0	128.0	-6.08	-2,426.3	47.4	2,861.8	2,801.7	60.14	47.584		
6,650.0	6,438.2	6,416.2	6,416.2	16.8	128.3	-7.95	-2,426.3	47.4	2,815.2	2,764.7	50.48	55.772		
6,700.0	6,451.5	6,429.5	6,429.5	16.6	128.6	-11.44	-2,426.3	47.4	2,767.0	2,722.1	44.88	61.655		
6,750.0	6,460.0	6,438.0	6,438.0	16.5	128.8	-20.00	-2,426.3	47.4	2,717.8	2,662.8	55.05	49.367		
6,800.0	6,463.8	6,441.8	6,441.8	16.4	128.8	-58.74	-2,426.3	47.4	2,668.0	2,543.4	124.61	21.411		
6,814.5	6,464.0	6,442.0	6,442.0	16.4	128.8	-90.00	-2,426.3	47.4	2,653.6	2,508.4	145.21	18.274		
6,900.0	6,464.0	6,442.0	6,442.0	16.4	128.8	-90.00	-2,426.3	47.4	2,568.1	2,422.9	145.22	17.684		
6,914.5	6,464.0	6,442.0	6,442.0	16.4	128.8	-90.00	-2,426.3	47.4	2,553.7	2,408.4	145.24	17.582		
6,914.5	6,464.0	6,442.0	6,442.0	16.4	128.8	-90.00	-2,426.3	47.4	2,553.7	2,408.4	145.24	17.582		
6,919.5	6,464.0	6,442.0	6,442.0	16.4	128.8	-90.00	-2,426.3	47.4	2,548.7	2,403.4	145.25	17.547		
7,000.0	6,464.0	6,442.0	6,442.0	16.6	128.8	-90.00	-2,426.3	47.4	2,468.3	2,322.8	145.44	16.971		
7,100.0	6,464.0	6,442.0	6,442.0	17.0	128.8	-90.00	-2,426.3	47.4	2,368.4	2,222.5	145.87	16.236		
7,200.0	6,464.0	6,442.0	6,442.0	17.7	128.8	-90.00	-2,426.3	47.4	2,268.5	2,122.0	146.50	15.484		
7,300.0	6,464.0	6,442.0	6,442.0	18.5	128.8	-90.00	-2,426.3	47.4	2,168.7	2,021.4	147.31	14.722		
7,400.0	6,464.0	6,442.0	6,442.0	19.4	128.8	-90.00	-2,426.3	47.4	2,068.8	1,920.6	148.28	13.952		
7,500.0	6,464.0	6,442.0	6,442.0	20.5	128.8	-90.00	-2,426.3	47.4	1,969.0	1,819.7	149.38	13.182		
7,600.0	6,464.0	6,442.0	6,442.0	21.7	128.8	-90.00	-2,426.3	47.4	1,869.2	1,718.6	150.59	12.413		
7,700.0	6,464.0	6,442.0	6,442.0	23.1	128.8	-90.00	-2,426.3	47.4	1,769.5	1,617.6	151.90	11.649		
7,800.0	6,464.0	6,442.0	6,442.0	24.4	128.8	-90.00	-2,426.3	47.4	1,669.7	1,516.4	153.28	10.893		
7,900.0	6,464.0	6,442.0	6,442.0	25.9	128.8	-90.00	-2,426.3	47.4	1,570.0	1,415.3	154.74	10.146		
8,000.0	6,464.0	6,442.0	6,442.0	27.4	128.8	-90.00	-2,426.3	47.4	1,470.3	1,314.1	156.25	9.410		
8,100.0	6,464.0	6,442.0	6,442.0	29.0	128.8	-90.00	-2,426.3	47.4	1,370.7	1,212.9	157.81	8.686		
8,200.0	6,464.0	6,442.0	6,442.0	30.6	128.8	-90.00	-2,426.3	47.4	1,271.1	1,111.7	159.41	7.974		
8,300.0	6,464.0	6,442.0	6,442.0	32.2	128.8	-90.00	-2,426.3	47.4	1,171.6	1,010.6	161.05	7.275		
8,400.0	6,464.0	6,442.0	6,442.0	33.9	128.8	-90.00	-2,426.3	47.4	1,072.2	909.5	162.71	6.590		
8,500.0	6,464.0	6,442.0	6,442.0	35.6	128.8	-90.00	-2,426.3	47.4	972.9	808.5	164.40	5.918		
8,600.0	6,464.0	6,442.0	6,442.0	37.3	128.8	-90.00	-2,426.3	47.4	873.8	707.7	166.11	5.260		
8,700.0	6,464.0	6,442.0	6,442.0	39.0	128.8	-90.00	-2,426.3	47.4	774.9	607.1	167.84	4.617		
8,800.0	6,464.0	6,442.0	6,442.0	40.8	128.8	-90.00	-2,426.3	47.4	676.3	506.7	169.59	3.988		
8,900.0	6,464.0	6,442.0	6,442.0	42.5	128.8	-90.00	-2,426.3	47.4	578.3	406.9	171.35	3.375		
9,000.0	6,464.0	6,442.0	6,442.0	44.3	128.8	-90.00	-2,426.3	47.4	481.0	307.8	173.13	2.778		
9,100.0	6,464.0	6,442.0	6,442.0	46.1	128.8	-90.00	-2,426.3	47.4	385.1	210.2	174.91	2.202		
9,200.0	6,464.0	6,442.0	6,442.0	47.9	128.8	-90.00	-2,426.3	47.4	292.0	115.2	176.71	1.652		
9,300.0	6,464.0	6,442.0	6,442.0	49.7	128.8	-90.00	-2,426.3	47.4	205.4	26.9	178.51	1.151 Level 2		
9,400.0	6,464.0	6,442.0	6,442.0	51.5	128.8	-90.00	-2,426.3	47.4	138.3	-42.0	180.32	0.767 Level 1		
9,465.2	6,464.0	6,442.0	6,442.0	52.7	128.8	-90.00	-2,426.3	47.4	122.0	-59.5	181.51	0.672 Level 1, CC, ES, SF		
9,500.0	6,464.0	6,442.0	6,442.0	53.3	128.8	-90.00	-2,426.3	47.4	126.8	-55.3	182.14	0.696 Level 1		
9,600.0	6,464.0	6,442.0	6,442.0	55.1	128.8	-90.00	-2,426.3	47.4	181.8	-2.2	183.97	0.988 Level 1		
9,700.0	6,464.0	6,442.0	6,442.0	57.0	128.8	-90.00	-2,426.3	47.4	264.6	78.8	185.80	1.424 Level 3		
9,800.0	6,464.0	6,442.0	6,442.0	58.8	128.8	-90.00	-2,426.3	47.4	356.3	168.7	187.64	1.899		

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 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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			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)					
9,900.0	6,464.0	6,442.0	6,442.0	60.6	128.8	-90.00	-2,426.3	47.4	451.5	262.1	189.48	2.383				
10,000.0	6,464.0	6,442.0	6,442.0	62.5	128.8	-90.00	-2,426.3	47.4	548.5	357.2	191.33	2.867				
10,100.0	6,464.0	6,442.0	6,442.0	64.3	128.8	-90.00	-2,426.3	47.4	646.4	453.2	193.18	3.346				
10,200.0	6,464.0	6,442.0	6,442.0	66.2	128.8	-90.00	-2,426.3	47.4	744.8	549.8	195.04	3.819				
10,300.0	6,464.0	6,442.0	6,442.0	68.1	128.8	-90.00	-2,426.3	47.4	843.6	646.7	196.89	4.285				
10,400.0	6,464.0	6,442.0	6,442.0	69.9	128.8	-90.00	-2,426.3	47.4	942.7	743.9	198.75	4.743				
10,500.0	6,464.0	6,442.0	6,442.0	71.8	128.8	-90.00	-2,426.3	47.4	1,041.9	841.3	200.62	5.194				
10,600.0	6,464.0	6,442.0	6,442.0	73.6	128.8	-90.00	-2,426.3	47.4	1,141.3	938.8	202.49	5.636				
10,700.0	6,464.0	6,442.0	6,442.0	75.5	128.8	-90.00	-2,426.3	47.4	1,240.8	1,036.4	204.35	6.072				
10,800.0	6,464.0	6,442.0	6,442.0	77.4	128.8	-90.00	-2,426.3	47.4	1,340.3	1,134.1	206.23	6.499				
10,900.0	6,464.0	6,442.0	6,442.0	79.3	128.8	-90.00	-2,426.3	47.4	1,439.9	1,231.8	208.10	6.919				
11,004.8	6,464.0	6,442.0	6,442.0	81.2	128.8	-90.00	-2,426.3	47.4	1,544.4	1,334.3	210.07	7.352				

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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	
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-120.2	0.0	120.2					
100.0	100.0	98.0	98.0	0.1	0.1	180.00	-120.2	0.0	120.2	120.0	0.22	540.290		
200.0	200.0	198.0	198.0	0.3	0.3	180.00	-120.2	0.0	120.2	119.6	0.67	179.495 CC, ES		
300.0	300.0	297.9	297.9	0.6	0.5	-177.50	-120.2	-1.7	122.0	120.9	1.12	109.139		
400.0	399.8	397.5	397.4	0.8	0.8	-175.28	-120.2	-6.8	127.4	125.8	1.58	80.698		
500.0	499.5	498.1	497.6	1.0	1.0	-171.95	-119.9	-15.4	136.4	134.4	2.07	65.985		
600.0	598.7	600.0	598.8	1.3	1.3	-168.06	-117.5	-26.8	147.6	145.1	2.59	57.055		
618.3	616.8	618.7	617.3	1.4	1.4	-167.32	-116.7	-29.1	149.9	147.2	2.69	55.727		
700.0	697.6	701.6	699.3	1.6	1.6	-163.89	-112.5	-40.7	159.8	156.7	3.14	50.827		
800.0	796.6	802.9	799.0	2.0	2.0	-159.28	-105.0	-57.0	171.1	167.4	3.76	45.516		
900.0	895.5	903.6	897.4	2.3	2.4	-154.27	-95.1	-75.7	182.1	177.7	4.44	40.993		
1,000.0	994.5	1,003.5	994.3	2.6	2.9	-148.90	-82.9	-96.7	193.3	188.1	5.19	37.214		
1,100.0	1,093.4	1,102.4	1,089.4	3.0	3.4	-143.26	-68.4	-119.8	205.4	199.4	6.01	34.153		
1,200.0	1,192.3	1,200.0	1,182.2	3.3	4.0	-137.47	-51.8	-144.9	218.9	212.0	6.89	31.782		
1,300.0	1,291.3	1,296.3	1,273.1	3.7	4.6	-131.83	-33.8	-171.3	234.4	226.7	7.79	30.087		
1,400.0	1,390.2	1,392.4	1,363.7	4.0	5.3	-126.87	-15.6	-197.8	252.1	243.4	8.69	29.018		
1,500.0	1,489.1	1,488.5	1,454.3	4.3	5.9	-122.56	2.5	-224.2	271.3	261.8	9.56	28.381		
1,600.0	1,588.1	1,584.7	1,544.9	4.7	6.6	-118.82	20.7	-250.7	291.9	281.5	10.41	28.032		
1,700.0	1,687.0	1,680.8	1,635.5	5.0	7.2	-115.56	38.8	-277.2	313.6	302.4	11.25	27.878		
1,800.0	1,785.9	1,776.9	1,726.1	5.4	7.9	-112.73	57.0	-303.7	336.1	324.1	12.07	27.855		
1,900.0	1,884.9	1,873.1	1,816.7	5.7	8.5	-110.24	75.1	-330.1	359.4	346.5	12.87	27.921		
2,000.0	1,983.8	1,969.2	1,907.3	6.1	9.2	-108.06	93.3	-356.6	383.2	369.5	13.66	28.045		
2,100.0	2,082.7	2,065.3	1,998.0	6.4	9.9	-106.13	111.4	-383.1	407.5	393.0	14.45	28.208		
2,200.0	2,181.7	2,161.4	2,088.6	6.8	10.5	-104.41	129.5	-409.6	432.2	416.9	15.22	28.395		
2,300.0	2,280.6	2,257.6	2,179.2	7.1	11.2	-102.88	147.7	-436.0	457.2	441.2	15.99	28.597		
2,400.0	2,379.6	2,353.7	2,269.8	7.5	11.9	-101.50	165.8	-462.5	482.5	465.7	16.75	28.807		
2,500.0	2,478.5	2,449.8	2,360.4	7.8	12.5	-100.27	184.0	-489.0	508.0	490.5	17.50	29.020		
2,600.0	2,577.4	2,545.9	2,451.0	8.1	13.2	-99.15	202.1	-515.4	533.7	515.5	18.26	29.233		
2,700.0	2,676.4	2,642.1	2,541.6	8.5	13.9	-98.13	220.3	-541.9	559.6	540.6	19.01	29.443		
2,800.0	2,775.3	2,738.2	2,632.2	8.8	14.6	-97.20	238.4	-568.4	585.7	565.9	19.75	29.650		
2,900.0	2,874.2	2,834.3	2,722.8	9.2	15.2	-96.35	256.6	-594.9	611.9	591.4	20.50	29.850		
3,000.0	2,973.2	2,930.4	2,813.4	9.5	15.9	-95.57	274.7	-621.3	638.2	616.9	21.24	30.046		
3,100.0	3,072.1	3,026.6	2,904.1	9.9	16.6	-94.85	292.9	-647.8	664.6	642.6	21.98	30.234		
3,200.0	3,171.0	3,122.7	2,994.7	10.2	17.3	-94.18	311.0	-674.3	691.1	668.4	22.72	30.417		
3,300.0	3,270.0	3,218.8	3,085.3	10.6	17.9	-93.57	329.1	-700.7	717.6	694.2	23.46	30.593		
3,400.0	3,368.9	3,314.9	3,175.9	10.9	18.6	-93.00	347.3	-727.2	744.3	720.1	24.19	30.762		
3,500.0	3,467.8	3,411.1	3,266.5	11.3	19.3	-92.46	365.4	-753.7	771.0	746.1	24.93	30.926		
3,600.0	3,566.8	3,507.2	3,357.1	11.6	19.9	-91.97	383.6	-780.2	797.8	772.1	25.67	31.083		
3,700.0	3,665.7	3,603.3	3,447.7	12.0	20.6	-91.50	401.7	-806.6	824.6	798.2	26.40	31.234		
3,800.0	3,764.7	3,699.4	3,538.3	12.3	21.3	-91.07	419.9	-833.1	851.5	824.3	27.13	31.379		
3,900.0	3,863.6	3,795.6	3,628.9	12.7	22.0	-90.66	438.0	-859.6	878.4	850.5	27.87	31.519		
4,000.0	3,962.5	3,891.7	3,719.5	13.0	22.6	-90.27	456.2	-886.0	905.3	876.7	28.60	31.654		
4,100.0	4,061.5	3,987.8	3,810.2	13.4	23.3	-89.91	474.3	-912.5	932.3	903.0	29.33	31.783		
4,200.0	4,160.4	4,083.9	3,900.8	13.7	24.0	-89.57	492.5	-939.0	959.4	929.3	30.07	31.908		
4,300.0	4,259.3	4,180.1	3,991.4	14.1	24.7	-89.25	510.6	-965.5	986.4	955.6	30.80	32.028		
4,400.0	4,358.3	4,276.2	4,082.0	14.4	25.3	-88.94	528.8	-991.9	1,013.5	982.0	31.53	32.143		
4,500.0	4,457.2	4,372.3	4,172.6	14.8	26.0	-88.65	546.9	-1,018.4	1,040.6	1,008.3	32.26	32.255		
4,600.0	4,556.1	4,468.4	4,263.2	15.1	26.7	-88.37	565.0	-1,044.9	1,067.7	1,034.7	32.99	32.362		
4,700.0	4,655.1	4,564.6	4,353.8	15.4	27.4	-88.11	583.2	-1,071.4	1,094.9	1,061.1	33.72	32.465		
4,800.0	4,754.0	4,660.7	4,444.4	15.8	28.0	-87.86	601.3	-1,097.8	1,122.0	1,087.6	34.46	32.565		
4,900.0	4,852.9	4,756.8	4,535.0	16.1	28.7	-87.62	619.5	-1,124.3	1,149.2	1,114.0	35.19	32.662		

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 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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	Semi Major Axis 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	4,951.9	4,852.9	4,625.6	16.5	29.4	-87.40	637.6	-1,150.8	1,176.4	1,140.5	35.92	32.755		
5,100.0	5,050.8	4,949.1	4,716.2	16.8	30.1	-87.18	655.8	-1,177.2	1,203.7	1,167.0	36.65	32.844		
5,200.0	5,149.8	5,082.4	4,842.5	17.2	30.8	-86.95	679.9	-1,212.5	1,229.9	1,192.4	37.46	32.833		
5,300.0	5,248.7	5,234.6	4,988.9	17.5	31.5	-86.89	703.5	-1,246.8	1,252.1	1,213.8	38.30	32.691		
5,334.8	5,283.2	5,288.3	5,041.0	17.7	31.8	-86.92	710.7	-1,257.4	1,258.8	1,220.2	38.60	32.615		
5,400.0	5,347.7	5,389.5	5,139.9	17.9	32.1	-87.22	722.9	-1,275.2	1,270.0	1,230.8	39.16	32.430		
5,500.0	5,447.2	5,546.6	5,294.8	18.1	32.6	-87.57	737.9	-1,297.0	1,283.5	1,243.7	39.87	32.190		
5,600.0	5,546.9	5,705.3	5,452.4	18.3	33.0	-87.81	748.1	-1,312.0	1,292.7	1,252.3	40.45	31.958		
5,700.0	5,646.8	5,864.9	5,611.7	18.4	33.2	-87.92	753.4	-1,319.7	1,297.4	1,256.6	40.88	31.739		
5,753.2	5,700.0	5,950.0	5,696.8	18.5	33.3	-89.68	754.2	-1,320.8	1,298.1	1,256.8	41.33	31.406		
5,800.0	5,746.8	5,998.0	5,744.8	18.6	33.3	-89.68	754.2	-1,320.8	1,298.1	1,256.7	41.45	31.320		
5,900.0	5,846.8	6,098.0	5,844.8	18.7	33.4	-89.68	754.2	-1,320.8	1,298.1	1,256.4	41.71	31.126		
5,996.3	5,943.1	6,194.3	5,941.1	18.9	33.5	-89.68	754.2	-1,320.8	1,298.1	1,256.2	41.96	30.939		
6,000.0	5,946.8	6,197.9	5,944.7	18.9	33.5	-89.38	754.2	-1,320.8	1,298.1	1,256.4	41.69	31.140		
6,050.0	5,996.7	6,246.6	5,993.3	18.9	33.5	-89.39	751.6	-1,320.8	1,298.1	1,256.4	41.74	31.099		
6,100.0	6,046.2	6,295.2	6,041.3	18.9	33.5	-89.40	744.4	-1,321.0	1,298.1	1,256.4	41.69	31.134		
6,150.0	6,094.6	6,343.8	6,088.6	18.8	33.4	-89.41	732.9	-1,321.2	1,298.1	1,256.6	41.55	31.243		
6,200.0	6,141.7	6,392.5	6,134.6	18.7	33.3	-89.43	716.9	-1,321.4	1,298.1	1,256.8	41.31	31.422		
6,250.0	6,186.9	6,441.3	6,178.9	18.6	33.2	-89.45	696.7	-1,321.8	1,298.1	1,257.1	40.99	31.666		
6,300.0	6,229.9	6,490.0	6,221.2	18.4	33.1	-89.48	672.5	-1,322.2	1,298.2	1,257.5	40.61	31.970		
6,350.0	6,270.3	6,538.9	6,261.1	18.2	33.0	-89.52	644.3	-1,322.7	1,298.2	1,258.0	40.16	32.327		
6,400.0	6,307.6	6,587.8	6,298.3	17.9	32.8	-89.56	612.5	-1,323.2	1,298.2	1,258.5	39.67	32.727		
6,450.0	6,341.6	6,636.9	6,332.3	17.7	32.6	-89.60	577.2	-1,323.8	1,298.2	1,259.1	39.15	33.160		
6,500.0	6,371.9	6,686.0	6,363.0	17.4	32.4	-89.64	538.9	-1,324.5	1,298.2	1,259.6	38.62	33.612		
6,550.0	6,398.3	6,735.2	6,389.9	17.2	32.2	-89.69	497.7	-1,325.2	1,298.2	1,260.1	38.10	34.071		
6,600.0	6,420.5	6,784.6	6,412.9	17.0	32.0	-89.75	454.1	-1,325.9	1,298.3	1,260.7	37.61	34.518		
6,650.0	6,438.2	6,834.0	6,431.7	16.8	31.8	-89.80	408.4	-1,326.7	1,298.3	1,261.1	37.16	34.938		
6,700.0	6,451.5	6,883.6	6,446.1	16.6	31.5	-89.86	360.9	-1,327.5	1,298.3	1,261.6	36.77	35.313		
6,750.0	6,460.0	6,933.3	6,456.0	16.5	31.3	-89.91	312.2	-1,328.3	1,298.4	1,261.9	36.44	35.629		
6,800.0	6,463.8	6,983.2	6,461.2	16.4	31.1	-89.97	262.7	-1,329.2	1,298.4	1,262.2	36.20	35.871		
6,814.5	6,464.0	6,997.7	6,461.8	16.4	31.1	-89.99	248.2	-1,329.4	1,298.4	1,262.3	36.14	35.930		
6,900.0	6,464.0	7,083.2	6,462.0	16.4	30.7	-90.00	162.7	-1,330.9	1,298.5	1,262.5	35.99	36.076		
6,914.5	6,464.0	7,097.6	6,462.0	16.4	30.7	-90.00	148.3	-1,331.1	1,298.5	1,262.5	35.99	36.082		
6,914.5	6,464.0	7,097.6	6,462.0	16.4	30.7	-90.00	148.3	-1,331.1	1,298.5	1,262.5	35.99	36.082		
6,914.5	6,464.0	7,097.6	6,462.0	16.4	30.7	-90.00	148.3	-1,331.1	1,298.5	1,262.5	35.99	36.082		
7,000.0	6,464.0	7,183.2	6,462.0	16.6	30.4	-90.00	62.8	-1,332.6	1,298.5	1,262.3	36.19	35.879		
7,100.0	6,464.0	7,283.2	6,462.0	17.0	30.1	-90.00	-37.2	-1,334.3	1,298.6	1,261.8	36.79	35.294		
7,200.0	6,464.0	7,383.2	6,462.0	17.7	30.0	-90.00	-137.2	-1,336.0	1,298.7	1,260.9	37.77	34.380		
7,300.0	6,464.0	7,483.2	6,462.0	18.5	29.8	-90.00	-237.2	-1,337.7	1,298.7	1,259.6	39.10	33.212		
7,400.0	6,464.0	7,583.2	6,462.0	19.4	29.8	-90.00	-337.2	-1,339.4	1,298.8	1,258.1	40.75	31.873		
7,500.0	6,464.0	7,683.2	6,462.0	20.5	29.9	-90.00	-437.2	-1,341.1	1,298.9	1,256.2	42.67	30.439		
7,600.0	6,464.0	7,783.2	6,462.0	21.7	30.1	-90.00	-537.2	-1,342.8	1,298.9	1,254.1	44.84	28.968		
7,700.0	6,464.0	7,883.2	6,462.0	23.1	30.5	-90.00	-637.1	-1,344.5	1,299.0	1,251.8	47.22	27.510		
7,800.0	6,464.0	7,983.2	6,462.0	24.4	31.1	-90.00	-737.1	-1,346.2	1,299.1	1,249.3	49.78	26.098		
7,900.0	6,464.0	8,083.2	6,462.0	25.9	31.8	-90.00	-837.1	-1,348.0	1,299.2	1,246.7	52.49	24.751		
8,000.0	6,464.0	8,183.2	6,462.0	27.4	32.8	-90.00	-937.1	-1,349.7	1,299.2	1,243.9	55.33	23.480		
8,100.0	6,464.0	8,283.2	6,462.0	29.0	33.8	-90.00	-1,037.1	-1,351.4	1,299.3	1,241.0	58.29	22.290		
8,200.0	6,464.0	8,383.2	6,462.0	30.6	35.0	-90.00	-1,137.1	-1,353.1	1,299.4	1,238.0	61.34	21.182		
8,300.0	6,464.0	8,483.2	6,462.0	32.2	36.3	-90.00	-1,237.1	-1,354.8	1,299.4	1,235.0	64.48	20.153		
8,400.0	6,464.0	8,583.2	6,462.0	33.9	37.7	-90.00	-1,337.0	-1,356.5	1,299.5	1,231.8	67.69	19.199		
8,500.0	6,464.0	8,683.2	6,462.0	35.6	39.1	-90.00	-1,437.0	-1,358.2	1,299.6	1,228.6	70.95	18.315		

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 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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	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
8,600.0	6,464.0	8,783.2	6,462.0	37.3	40.6	90.00	90.00	-1,537.0	-1,359.9	1,299.6	1,225.4	74.28	17.497	
8,700.0	6,464.0	8,883.2	6,462.0	39.0	42.1	90.00	90.00	-1,637.0	-1,361.6	1,299.7	1,222.1	77.65	16.739	
8,800.0	6,464.0	8,983.2	6,462.0	40.8	43.6	90.00	90.00	-1,737.0	-1,363.3	1,299.8	1,218.7	81.06	16.035	
8,900.0	6,464.0	9,083.2	6,462.0	42.5	45.2	90.00	90.00	-1,837.0	-1,365.0	1,299.8	1,215.3	84.50	15.382	
9,000.0	6,464.0	9,183.2	6,462.0	44.3	46.8	90.00	90.00	-1,937.0	-1,366.7	1,299.9	1,211.9	87.98	14.775	
9,100.0	6,464.0	9,283.2	6,462.0	46.1	48.4	90.00	90.00	-2,036.9	-1,368.4	1,300.0	1,208.5	91.49	14.209	
9,200.0	6,464.0	9,383.2	6,462.0	47.9	50.1	90.00	90.00	-2,136.9	-1,370.1	1,300.1	1,205.0	95.02	13.682	
9,300.0	6,464.0	9,483.2	6,462.0	49.7	51.8	90.00	90.00	-2,236.9	-1,371.8	1,300.1	1,201.6	98.57	13.189	
9,400.0	6,464.0	9,583.2	6,462.0	51.5	53.4	90.00	90.00	-2,336.9	-1,373.5	1,300.2	1,198.0	102.15	12.729	
9,500.0	6,464.0	9,683.2	6,462.0	53.3	55.1	90.00	90.00	-2,436.9	-1,375.2	1,300.3	1,194.5	105.74	12.297	
9,600.0	6,464.0	9,783.2	6,462.0	55.1	56.9	90.00	90.00	-2,536.9	-1,377.0	1,300.3	1,191.0	109.35	11.892	
9,700.0	6,464.0	9,883.2	6,462.0	57.0	58.6	90.00	90.00	-2,636.9	-1,378.7	1,300.4	1,187.4	112.97	11.511	
9,800.0	6,464.0	9,983.2	6,462.0	58.8	60.3	90.00	90.00	-2,736.8	-1,380.4	1,300.5	1,183.9	116.61	11.153	
9,900.0	6,464.0	10,083.2	6,462.0	60.6	62.1	90.00	90.00	-2,836.8	-1,382.1	1,300.5	1,180.3	120.26	10.815	
10,000.0	6,464.0	10,183.2	6,462.0	62.5	63.8	90.00	90.00	-2,936.8	-1,383.8	1,300.6	1,176.7	123.92	10.496	
10,100.0	6,464.0	10,283.2	6,462.0	64.3	65.6	90.00	90.00	-3,036.8	-1,385.5	1,300.7	1,173.1	127.59	10.195	
10,200.0	6,464.0	10,383.2	6,462.0	66.2	67.4	90.00	90.00	-3,136.8	-1,387.2	1,300.8	1,169.5	131.26	9.909	
10,300.0	6,464.0	10,483.2	6,462.0	68.1	69.1	90.00	90.00	-3,236.8	-1,388.9	1,300.8	1,165.9	134.95	9.639	
10,400.0	6,464.0	10,583.2	6,462.0	69.9	70.9	90.00	90.00	-3,336.8	-1,390.6	1,300.9	1,162.2	138.65	9.383	
10,500.0	6,464.0	10,683.2	6,462.0	71.8	72.7	90.00	90.00	-3,436.7	-1,392.3	1,301.0	1,158.6	142.35	9.139	
10,600.0	6,464.0	10,783.2	6,462.0	73.6	74.5	90.00	90.00	-3,536.7	-1,394.0	1,301.0	1,155.0	146.06	8.908	
10,700.0	6,464.0	10,883.2	6,462.0	75.5	76.3	90.00	90.00	-3,636.7	-1,395.7	1,301.1	1,151.3	149.77	8.687	
10,800.0	6,464.0	10,983.2	6,462.0	77.4	78.1	90.00	90.00	-3,736.7	-1,397.4	1,301.2	1,147.7	153.49	8.477	
10,900.0	6,464.0	11,083.2	6,462.0	79.3	80.0	90.00	90.00	-3,836.7	-1,399.1	1,301.2	1,144.0	157.22	8.277	
11,004.8	6,464.0	11,188.0	6,462.0	81.2	81.9	90.00	90.00	-3,941.5	-1,400.9	1,301.3	1,140.2	161.13	8.076 SF	

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		
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	+N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)					
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-102.0	0.0	0.0	102.0							
100.0	100.0	99.0	99.0	0.1	0.1	-180.00	-102.0	0.0	0.0	102.0	101.8	0.22	456.131				
200.0	200.0	199.0	199.0	0.3	0.3	-180.00	-102.0	0.0	0.0	102.0	101.3	0.67	151.791 CC, ES				
300.0	300.0	299.0	299.0	0.6	0.6	-178.29	-102.0	0.0	0.0	103.8	102.6	1.13	91.851				
400.0	399.8	398.8	398.8	0.8	0.8	-178.37	-102.0	0.0	0.0	109.0	107.4	1.59	68.483				
500.0	499.5	498.5	498.5	1.0	1.0	-178.48	-102.0	0.0	0.0	117.7	115.6	2.05	57.332				
600.0	598.7	597.7	597.7	1.3	1.2	-178.62	-102.0	0.0	0.0	129.9	127.4	2.51	51.650				
618.3	616.8	615.8	615.8	1.4	1.3	-178.65	-102.0	0.0	0.0	132.5	129.9	2.60	50.974				
700.0	697.6	696.6	696.6	1.6	1.5	-178.76	-102.0	0.0	0.0	144.4	141.4	2.97	48.643				
800.0	796.6	795.6	795.6	2.0	1.7	-178.87	-102.0	0.0	0.0	158.9	155.5	3.42	46.420				
900.0	895.5	894.5	894.5	2.3	1.9	-178.97	-102.0	0.0	0.0	173.5	169.6	3.88	44.686				
1,000.0	994.5	993.5	993.5	2.6	2.1	-179.05	-102.0	0.0	0.0	188.0	183.7	4.34	43.298				
1,100.0	1,093.4	1,092.4	1,092.4	3.0	2.3	-179.11	-102.0	0.0	0.0	202.6	197.8	4.80	42.164				
1,200.0	1,192.3	1,191.3	1,191.3	3.3	2.6	-179.17	-102.0	0.0	0.0	217.1	211.8	5.27	41.221				
1,300.0	1,291.3	1,295.3	1,295.3	3.7	2.8	-178.93	-101.0	-1.2	-1.2	230.7	224.9	5.74	40.215				
1,400.0	1,390.2	1,400.3	1,400.2	4.0	3.0	-178.03	-97.5	-5.3	-5.3	241.9	235.7	6.21	38.974				
1,500.0	1,489.1	1,505.5	1,505.0	4.3	3.3	-176.53	-91.4	-12.4	-12.4	250.8	244.1	6.69	37.493				
1,600.0	1,588.1	1,610.7	1,609.3	4.7	3.5	-174.46	-82.9	-22.3	-22.3	257.7	250.5	7.19	35.817				
1,700.0	1,687.0	1,715.5	1,712.7	5.0	3.8	-171.84	-71.9	-35.1	-35.1	262.7	255.0	7.73	33.982				
1,800.0	1,785.9	1,819.7	1,814.8	5.4	4.1	-168.64	-58.6	-50.7	-50.7	266.3	258.0	8.32	32.024				
1,900.0	1,884.9	1,922.9	1,915.3	5.7	4.5	-164.88	-42.9	-68.9	-68.9	269.0	260.1	8.97	29.990				
2,000.0	1,983.8	2,025.1	2,013.7	6.1	4.9	-160.56	-25.2	-89.6	-89.6	271.3	261.6	9.71	27.940				
2,100.0	2,082.7	2,125.9	2,109.8	6.4	5.4	-155.70	-5.5	-112.6	-112.6	274.0	263.4	10.55	25.957				
2,200.0	2,181.7	2,225.1	2,203.3	6.8	5.9	-150.36	16.1	-137.7	-137.7	277.7	266.2	11.50	24.138				
2,300.0	2,280.6	2,321.4	2,293.4	7.1	6.5	-144.90	38.4	-163.8	-163.8	283.4	270.9	12.53	22.617				
2,400.0	2,379.6	2,417.4	2,383.0	7.5	7.1	-139.70	60.7	-189.8	-189.8	291.8	278.2	13.59	21.475				
2,500.0	2,478.5	2,513.3	2,472.6	7.8	7.8	-134.81	83.0	-215.8	-215.8	302.6	287.9	14.65	20.654				
2,600.0	2,577.4	2,609.2	2,562.2	8.1	8.4	-130.27	105.3	-241.7	-241.7	315.6	299.9	15.70	20.097				
2,700.0	2,676.4	2,705.1	2,651.8	8.5	9.0	-126.08	127.6	-267.7	-267.7	330.5	313.7	16.73	19.754				
2,800.0	2,775.3	2,801.0	2,741.4	8.8	9.7	-122.26	149.9	-293.7	-293.7	347.0	329.3	17.73	19.577				
2,900.0	2,874.2	2,897.0	2,831.0	9.2	10.4	-118.78	172.2	-319.7	-319.7	365.0	346.3	18.69	19.530				
3,000.0	2,973.2	2,992.9	2,920.6	9.5	11.0	-115.62	194.4	-345.7	-345.7	384.2	364.6	19.62	19.583				
3,100.0	3,072.1	3,088.8	3,010.2	9.9	11.7	-112.76	216.7	-371.7	-371.7	404.5	384.0	20.52	19.711				
3,200.0	3,171.0	3,184.7	3,099.8	10.2	12.4	-110.16	239.0	-397.6	-397.6	425.8	404.4	21.40	19.896				
3,300.0	3,270.0	3,280.6	3,189.4	10.6	13.1	-107.81	261.3	-423.6	-423.6	447.7	425.5	22.25	20.122				
3,400.0	3,368.9	3,376.6	3,279.0	10.9	13.8	-105.68	283.6	-449.6	-449.6	470.4	447.3	23.08	20.378				
3,500.0	3,467.8	3,472.5	3,368.6	11.3	14.5	-103.74	305.9	-475.6	-475.6	493.7	469.8	23.90	20.656				
3,600.0	3,566.8	3,568.4	3,458.2	11.6	15.2	-101.97	328.1	-501.6	-501.6	517.4	492.7	24.70	20.949				
3,700.0	3,665.7	3,664.3	3,547.8	12.0	15.9	-100.35	350.4	-527.6	-527.6	541.6	516.1	25.49	21.250				
3,800.0	3,764.7	3,760.2	3,637.4	12.3	16.6	-98.87	372.7	-553.6	-553.6	566.1	539.9	26.26	21.557				
3,900.0	3,863.6	3,856.2	3,727.0	12.7	17.3	-97.51	395.0	-579.5	-579.5	591.0	564.0	27.03	21.865				
4,000.0	3,962.5	3,952.1	3,816.6	13.0	18.0	-96.26	417.3	-605.5	-605.5	616.2	588.4	27.79	22.173				
4,100.0	4,061.5	4,048.0	3,906.3	13.4	18.7	-95.11	439.6	-631.5	-631.5	641.6	613.1	28.54	22.479				
4,200.0	4,160.4	4,143.9	3,995.9	13.7	19.4	-94.05	461.8	-657.5	-657.5	667.3	638.0	29.29	22.781				
4,300.0	4,259.3	4,239.8	4,085.5	14.1	20.1	-93.06	484.1	-683.5	-683.5	693.2	663.1	30.04	23.078				
4,400.0	4,358.3	4,335.8	4,175.1	14.4	20.8	-92.14	506.4	-709.5	-709.5	719.2	688.5	30.78	23.370				
4,500.0	4,457.2	4,431.7	4,264.7	14.8	21.5	-91.29	528.7	-735.4	-735.4	745.5	713.9	31.51	23.655				
4,600.0	4,556.1	4,527.6	4,354.3	15.1	22.2	-90.49	551.0	-761.4	-761.4	771.8	739.6	32.25	23.934				
4,700.0	4,655.1	4,623.5	4,443.9	15.4	22.9	-89.75	573.3	-787.4	-787.4	798.3	765.3	32.98	24.206				
4,800.0	4,754.0	4,719.4	4,533.5	15.8	23.6	-89.05	595.5	-813.4	-813.4	824.9	791.2	33.71	24.472				
4,900.0	4,852.9	4,815.4	4,623.1	16.1	24.3	-88.40	617.8	-839.4	-839.4	851.6	817.2	34.44	24.730				

COMPASS 2003.21 Build 46

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		
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	4,951.9	4,922.7	4,723.5	16.5	25.0	-87.73	642.5	-868.2	878.2	843.0	35.17	24.967					
5,100.0	5,050.8	5,049.6	4,843.7	16.8	25.7	-87.18	668.9	-899.0	902.2	866.3	35.92	25.119					
5,200.0	5,149.8	5,178.9	4,968.0	17.2	26.3	-86.90	692.3	-926.2	922.9	886.2	36.67	25.166					
5,300.0	5,248.7	5,310.1	5,095.5	17.5	26.9	-86.86	712.2	-949.4	940.2	902.8	37.44	25.116					
5,334.8	5,283.2	5,356.2	5,140.7	17.7	27.0	-86.90	718.3	-956.5	945.4	907.7	37.70	25.078					
5,400.0	5,347.7	5,442.8	5,225.8	17.9	27.3	-87.18	728.5	-968.4	954.1	915.9	38.19	24.983					
5,500.0	5,447.2	5,576.5	5,358.1	18.1	27.7	-87.50	740.9	-982.9	964.5	925.7	38.81	24.852					
5,600.0	5,546.9	5,711.0	5,492.0	18.3	28.0	-87.71	749.3	-992.7	971.6	932.3	39.32	24.712					
5,700.0	5,646.8	5,846.0	5,626.8	18.4	28.2	-87.82	753.6	-997.7	975.2	935.5	39.70	24.564					
5,753.2	5,700.0	5,917.8	5,698.6	18.5	28.2	-89.57	754.2	-998.4	975.7	935.6	40.08	24.343					
5,800.0	5,746.8	5,965.0	5,745.8	18.6	28.3	-89.57	754.2	-998.4	975.7	935.5	40.20	24.273					
5,862.7	5,809.5	6,027.7	5,808.5	18.7	28.3	-89.57	754.2	-998.4	975.7	935.4	40.36	24.173					
5,900.0	5,846.8	6,064.8	5,845.7	18.7	28.4	-89.58	754.1	-998.4	975.7	935.3	40.46	24.117					
5,996.3	5,943.1	6,158.2	5,938.4	18.9	28.4	-90.18	743.9	-998.6	975.9	935.2	40.73	23.962					
6,000.0	5,946.8	6,161.7	5,941.8	18.9	28.4	88.84	743.2	-998.6	975.9	935.4	40.52	24.083					
6,050.0	5,996.7	6,208.5	5,987.1	18.9	28.3	88.28	731.5	-998.8	976.1	935.5	40.61	24.038					
6,100.0	6,046.2	6,254.6	6,030.6	18.9	28.2	87.73	716.1	-999.0	976.5	935.9	40.59	24.054					
6,150.0	6,094.6	6,300.0	6,071.8	18.8	28.1	87.21	697.3	-999.3	976.9	936.4	40.48	24.130					
6,200.0	6,141.7	6,344.8	6,110.8	18.7	28.0	86.71	675.3	-999.7	977.3	937.0	40.28	24.265					
6,250.0	6,186.9	6,389.0	6,147.3	18.6	27.8	86.24	650.3	-1,000.1	977.8	937.8	39.98	24.455					
6,300.0	6,229.9	6,432.7	6,181.1	18.4	27.6	85.81	622.7	-1,000.5	978.3	938.7	39.62	24.695					
6,350.0	6,270.3	6,476.0	6,212.2	18.2	27.5	85.41	592.6	-1,001.0	978.8	939.6	39.18	24.981					
6,400.0	6,307.6	6,518.9	6,240.5	17.9	27.3	85.04	560.4	-1,001.5	979.3	940.6	38.70	25.306					
6,450.0	6,341.6	6,561.4	6,265.8	17.7	27.1	84.72	526.3	-1,002.0	979.8	941.6	38.18	25.663					
6,500.0	6,371.9	6,600.0	6,286.3	17.4	26.9	84.46	493.6	-1,002.6	980.2	942.6	37.66	26.029					
6,550.0	6,398.3	6,645.6	6,307.4	17.2	26.6	84.20	453.1	-1,003.2	980.6	943.5	37.10	26.429					
6,600.0	6,420.5	6,687.4	6,323.5	17.0	26.4	84.01	414.5	-1,003.8	980.9	944.3	36.59	26.811					
6,650.0	6,438.2	6,729.1	6,336.4	16.8	26.2	83.87	374.9	-1,004.5	981.2	945.1	36.11	27.175					
6,700.0	6,451.5	6,770.6	6,346.1	16.6	26.0	83.77	334.6	-1,005.1	981.3	945.6	35.68	27.504					
6,750.0	6,460.0	6,812.1	6,352.5	16.5	25.8	83.72	293.6	-1,005.8	981.4	946.1	35.32	27.786					
6,800.0	6,463.8	6,853.6	6,355.7	16.4	25.6	83.73	252.3	-1,006.4	981.4	946.3	35.04	28.009					
6,814.5	6,464.0	6,865.6	6,356.0	16.4	25.6	83.74	240.3	-1,006.6	981.3	946.4	34.97	28.060					
7,000.0	6,464.0	7,049.7	6,356.0	16.6	24.8	83.74	56.2	-1,009.6	981.3	946.1	35.16	27.909					
7,100.0	6,464.0	7,149.7	6,356.0	17.0	24.5	83.74	-43.8	-1,011.2	981.2	945.4	35.83	27.387					
7,200.0	6,464.0	7,249.7	6,356.0	17.7	24.3	83.74	-143.8	-1,012.8	981.2	944.3	36.88	26.604					
7,300.0	6,464.0	7,349.7	6,356.0	18.5	24.1	83.74	-243.8	-1,014.3	981.2	942.9	38.29	25.627					
7,400.0	6,464.0	7,449.7	6,356.0	19.4	24.1	83.74	-343.8	-1,015.9	981.1	941.1	39.99	24.532					
7,500.0	6,464.0	7,549.7	6,356.0	20.5	24.3	83.74	-443.7	-1,017.5	981.1	939.1	41.99	23.364					
7,600.0	6,464.0	7,649.7	6,356.0	21.7	24.9	83.74	-543.7	-1,019.1	981.0	936.8	44.22	22.184					
7,700.0	6,464.0	7,749.7	6,356.0	23.1	25.7	83.74	-643.7	-1,020.7	981.0	934.3	46.66	21.026					
7,800.0	6,464.0	7,849.7	6,356.0	24.4	26.8	83.74	-743.7	-1,022.3	981.0	931.7	49.27	19.911					
7,900.0	6,464.0	7,949.7	6,356.0	25.9	28.0	83.74	-843.7	-1,023.9	980.9	928.9	52.02	18.855					
8,000.0	6,464.0	8,049.7	6,356.0	27.4	29.3	83.74	-943.7	-1,025.5	980.9	926.0	54.91	17.864					
8,100.0	6,464.0	8,149.7	6,356.0	29.0	30.7	83.74	-1,043.7	-1,027.1	980.8	923.0	57.90	16.941					
8,200.0	6,464.0	8,249.7	6,356.0	30.6	32.2	83.74	-1,143.7	-1,028.7	980.8	919.8	60.98	16.084					
8,300.0	6,464.0	8,349.7	6,356.0	32.2	33.7	83.74	-1,243.6	-1,030.3	980.8	916.6	64.14	15.291					
8,400.0	6,464.0	8,449.7	6,356.0	33.9	35.2	83.74	-1,343.6	-1,031.9	980.7	913.4	67.37	14.558					
8,500.0	6,464.0	8,549.7	6,356.0	35.6	36.8	83.74	-1,443.6	-1,033.5	980.7	910.0	70.65	13.880					
8,600.0	6,464.0	8,649.7	6,356.0	37.3	38.4	83.74	-1,543.6	-1,035.1	980.7	906.7	73.99	13.254					
8,700.0	6,464.0	8,749.7	6,356.0	39.0	40.0	83.74	-1,643.6	-1,036.7	980.6	903.2	77.37	12.674					
8,800.0	6,464.0	8,849.7	6,356.0	40.8	41.7	83.74	-1,743.6	-1,038.3	980.6	899.8	80.79	12.137					

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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
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)				
8,900.0	6,464.0	8,949.7	6,356.0	42.5	43.4	83.74	-1,843.6	-1,039.9	980.5	896.3	84.24	11.639		
9,000.0	6,464.0	9,049.7	6,356.0	44.3	45.1	83.73	-1,943.6	-1,041.5	980.5	892.8	87.73	11.177		
9,100.0	6,464.0	9,149.7	6,356.0	46.1	46.8	83.73	-2,043.5	-1,043.1	980.5	889.2	91.23	10.747		
9,200.0	6,464.0	9,249.7	6,356.0	47.9	48.5	83.73	-2,143.5	-1,044.7	980.4	885.7	94.77	10.346		
9,300.0	6,464.0	9,349.7	6,356.0	49.7	50.2	83.73	-2,243.5	-1,046.3	980.4	882.1	98.32	9.971		
9,400.0	6,464.0	9,449.7	6,356.0	51.5	52.0	83.73	-2,343.5	-1,047.9	980.4	878.5	101.89	9.622		
9,500.0	6,464.0	9,549.7	6,356.0	53.3	53.7	83.73	-2,443.5	-1,049.5	980.3	874.8	105.48	9.294		
9,600.0	6,464.0	9,649.7	6,356.0	55.1	55.5	83.73	-2,543.5	-1,051.1	980.3	871.2	109.08	8.986		
9,700.0	6,464.0	9,749.7	6,356.0	57.0	57.3	83.73	-2,643.5	-1,052.7	980.2	867.5	112.70	8.698		
9,800.0	6,464.0	9,849.7	6,356.0	58.8	59.0	83.73	-2,743.5	-1,054.3	980.2	863.9	116.33	8.426		
9,900.0	6,464.0	9,949.7	6,356.0	60.6	60.8	83.73	-2,843.4	-1,055.9	980.2	860.2	119.97	8.170		
10,000.0	6,464.0	10,049.7	6,356.0	62.5	62.6	83.73	-2,943.4	-1,057.5	980.1	856.5	123.62	7.928		
10,100.0	6,464.0	10,149.7	6,356.0	64.3	64.4	83.73	-3,043.4	-1,059.1	980.1	852.8	127.28	7.700		
10,200.0	6,464.0	10,249.7	6,356.0	66.2	66.2	83.73	-3,143.4	-1,060.7	980.0	849.1	130.95	7.484		
10,300.0	6,464.0	10,349.7	6,356.0	68.1	68.1	83.73	-3,243.4	-1,062.3	980.0	845.4	134.63	7.279		
10,400.0	6,464.0	10,449.7	6,356.0	69.9	69.9	83.73	-3,343.4	-1,063.9	980.0	841.7	138.32	7.085		
10,500.0	6,464.0	10,549.7	6,356.0	71.8	71.7	83.73	-3,443.4	-1,065.5	979.9	837.9	142.01	6.901		
10,600.0	6,464.0	10,649.7	6,356.0	73.6	73.5	83.73	-3,543.4	-1,067.1	979.9	834.2	145.70	6.725		
10,700.0	6,464.0	10,749.7	6,356.0	75.5	75.4	83.73	-3,643.3	-1,068.7	979.9	830.4	149.41	6.558		
10,800.0	6,464.0	10,849.7	6,356.0	77.4	77.2	83.73	-3,743.3	-1,070.3	979.8	826.7	153.12	6.399		
10,900.0	6,464.0	10,949.7	6,356.0	79.3	79.0	83.73	-3,843.3	-1,071.9	979.8	822.9	156.83	6.247		
11,004.8	6,464.0	11,054.5	6,356.0	81.2	81.0	83.73	-3,948.1	-1,073.6	979.7	819.0	160.73	6.096 SF		

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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)	+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	-61.9	0.0	62.0				
100.0	100.0	99.0	99.0	0.1	0.1	-180.00	-180.00	-61.9	0.0	61.9	61.7	0.22	276.999	
200.0	200.0	199.0	199.0	0.3	0.3	-180.00	-180.00	-61.9	0.0	61.9	61.3	0.67	92.179 CC, ES	
300.0	300.0	299.0	299.0	0.6	0.6	-178.31	-178.31	-61.9	0.0	63.7	62.6	1.13	56.386	
400.0	399.8	398.8	398.8	0.8	0.8	-178.43	-178.43	-61.9	0.0	68.9	67.3	1.59	43.310	
500.0	499.5	498.5	498.5	1.0	1.0	-178.60	-178.60	-61.9	0.0	77.6	75.6	2.05	37.818	
600.0	598.7	597.7	597.7	1.3	1.2	-178.79	-178.79	-61.9	0.0	89.8	87.3	2.51	35.719	
618.3	616.8	615.8	615.8	1.4	1.3	-178.82	-178.82	-61.9	0.0	92.4	89.8	2.60	35.561	
700.0	697.6	696.6	696.6	1.6	1.5	-178.96	-178.96	-61.9	0.0	104.3	101.3	2.97	35.146	
800.0	796.6	795.6	795.6	2.0	1.7	-179.08	-179.08	-61.9	0.0	118.9	115.4	3.42	34.719	
900.0	895.5	898.7	898.7	2.3	1.9	-178.91	-178.91	-60.4	-0.7	131.9	128.0	3.89	33.950	
1,000.0	994.5	1,002.8	1,002.7	2.6	2.1	-178.17	-178.17	-55.4	-2.8	141.6	137.3	4.35	32.552	
1,100.0	1,093.4	1,107.4	1,106.8	3.0	2.4	-176.94	-176.94	-46.8	-6.5	148.1	143.2	4.83	30.665	
1,200.0	1,192.3	1,212.2	1,210.8	3.3	2.7	-175.18	-175.18	-34.7	-11.6	151.3	146.0	5.32	28.429	
1,300.0	1,291.3	1,317.0	1,314.2	3.7	3.0	-172.84	-172.84	-19.2	-18.3	151.4	145.6	5.84	25.943	
1,400.0	1,390.2	1,419.3	1,414.6	4.0	3.3	-169.89	-169.89	-0.9	-26.1	148.9	142.5	6.38	23.356	
1,500.0	1,489.1	1,519.0	1,512.3	4.3	3.6	-166.81	-166.81	17.3	-33.9	146.3	139.4	6.94	21.093	
1,600.0	1,588.1	1,618.6	1,609.9	4.7	4.0	-163.63	-163.63	35.6	-41.7	144.2	136.7	7.53	19.140	
1,700.0	1,687.0	1,718.3	1,707.5	5.0	4.4	-160.36	-160.36	53.9	-49.6	142.6	134.4	8.16	17.461	
1,800.0	1,785.9	1,817.9	1,805.2	5.4	4.8	-157.03	-157.03	72.1	-57.4	141.4	132.5	8.83	16.005	
1,900.0	1,884.9	1,917.6	1,902.8	5.7	5.2	-153.66	-153.66	90.4	-65.2	140.7	131.1	9.54	14.748	
1,990.7	1,974.6	2,007.9	1,991.4	6.0	5.5	-150.58	-150.58	107.0	-72.3	140.5	130.3	10.21	13.760	
2,000.0	1,983.8	2,017.2	2,000.5	6.1	5.6	-150.26	-150.26	108.7	-73.0	140.5	130.2	10.28	13.665	
2,100.0	2,082.7	2,116.9	2,098.1	6.4	6.0	-146.87	-146.87	126.9	-80.8	140.8	129.7	11.05	12.736	
2,200.0	2,181.7	2,216.5	2,195.8	6.8	6.4	-143.50	-143.50	145.2	-88.6	141.6	129.7	11.86	11.940	
2,300.0	2,280.6	2,316.2	2,293.4	7.1	6.8	-140.18	-140.18	163.5	-96.5	142.8	130.2	12.68	11.263	
2,400.0	2,379.6	2,415.8	2,391.1	7.5	7.2	-136.93	-136.93	181.8	-104.3	144.6	131.1	13.53	10.690	
2,500.0	2,478.5	2,515.5	2,488.7	7.8	7.6	-133.77	-133.77	200.0	-112.1	146.8	132.4	14.38	10.206	
2,600.0	2,577.4	2,615.1	2,586.4	8.1	8.0	-130.70	-130.70	218.3	-119.9	149.4	134.2	15.25	9.800	
2,700.0	2,676.4	2,714.8	2,684.0	8.5	8.5	-127.76	-127.76	236.6	-127.7	152.5	136.4	16.12	9.462	
2,800.0	2,775.3	2,814.4	2,781.7	8.8	8.9	-124.93	-124.93	254.8	-135.6	155.9	138.9	16.98	9.181	
2,900.0	2,874.2	2,914.1	2,879.3	9.2	9.3	-122.23	-122.23	273.1	-143.4	159.7	141.9	17.85	8.950	
3,000.0	2,973.2	3,013.7	2,977.0	9.5	9.7	-119.67	-119.67	291.4	-151.2	163.9	145.2	18.70	8.762	
3,100.0	3,072.1	3,113.4	3,074.6	9.9	10.1	-117.23	-117.23	309.6	-159.0	168.3	148.8	19.55	8.610	
3,200.0	3,171.0	3,213.0	3,172.3	10.2	10.6	-114.92	-114.92	327.9	-166.8	173.1	152.7	20.39	8.488	
3,300.0	3,270.0	3,312.7	3,269.9	10.6	11.0	-112.74	-112.74	346.2	-174.6	178.1	156.9	21.22	8.393	
3,400.0	3,368.9	3,412.3	3,367.6	10.9	11.4	-110.68	-110.68	364.4	-182.5	183.4	161.3	22.04	8.320	
3,500.0	3,467.8	3,512.0	3,465.2	11.3	11.9	-108.74	-108.74	382.7	-190.3	188.9	166.0	22.85	8.266	
3,600.0	3,566.8	3,611.6	3,562.9	11.6	12.3	-106.90	-106.90	401.0	-198.1	194.5	170.9	23.65	8.228	
3,700.0	3,665.7	3,711.3	3,660.5	12.0	12.7	-105.18	-105.18	419.3	-205.9	200.4	176.0	24.43	8.203	
3,800.0	3,764.7	3,810.9	3,758.2	12.3	13.1	-103.55	-103.55	437.5	-213.7	206.5	181.3	25.21	8.190	
3,900.0	3,863.6	3,910.6	3,855.8	12.7	13.6	-102.02	-102.02	455.8	-221.6	212.7	186.7	25.98	8.186	
4,000.0	3,962.5	4,010.2	3,953.5	13.0	14.0	-100.57	-100.57	474.1	-229.4	219.0	192.3	26.74	8.190	
4,100.0	4,061.5	4,109.9	4,051.1	13.4	14.4	-99.21	-99.21	492.3	-237.2	225.5	198.0	27.50	8.202	
4,200.0	4,160.4	4,209.5	4,148.8	13.7	14.9	-97.92	-97.92	510.6	-245.0	232.1	203.9	28.24	8.219	
4,300.0	4,259.3	4,309.2	4,246.4	14.1	15.3	-96.71	-96.71	528.9	-252.8	238.8	209.8	28.98	8.240	
4,400.0	4,358.3	4,408.8	4,344.0	14.4	15.7	-95.56	-95.56	547.1	-260.6	245.6	215.9	29.71	8.266	
4,500.0	4,457.2	4,508.5	4,441.7	14.8	16.1	-94.47	-94.47	565.4	-268.5	252.5	222.1	30.44	8.295	
4,600.0	4,556.1	4,608.1	4,539.3	15.1	16.6	-93.44	-93.44	583.7	-276.3	259.5	228.4	31.17	8.327	
4,700.0	4,655.1	4,707.8	4,637.0	15.4	17.0	-92.47	-92.47	602.0	-284.1	266.6	234.7	31.88	8.362	
4,800.0	4,754.0	4,807.4	4,734.6	15.8	17.4	-91.54	-91.54	620.2	-291.9	273.7	241.1	32.60	8.397	

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 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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	
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		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
4,900.0	4,852.9	4,907.1	4,832.3	16.1	17.9	-90.67	638.5	-299.7	281.0	247.6	33.31	8.435			
5,000.0	4,951.9	5,006.7	4,929.9	16.5	18.3	-89.83	656.8	-307.5	288.2	254.2	34.02	8.473			
5,100.0	5,050.8	5,106.4	5,027.6	16.8	18.7	-89.04	675.0	-315.4	295.6	260.8	34.72	8.513			
5,200.0	5,149.8	5,206.0	5,125.2	17.2	19.2	-88.29	693.3	-323.2	302.9	267.5	35.42	8.553			
5,300.0	5,248.7	5,310.0	5,227.4	17.5	19.5	-87.84	710.8	-330.7	309.7	273.6	36.09	8.581			
5,334.8	5,283.2	5,346.4	5,263.3	17.7	19.6	-87.84	716.1	-332.9	311.7	275.4	36.31	8.585			
5,400.0	5,347.7	5,414.4	5,330.7	17.9	19.8	-87.97	724.9	-336.7	315.1	278.4	36.70	8.585			
5,500.0	5,447.2	5,518.9	5,434.5	18.1	20.1	-88.12	735.5	-341.2	319.1	281.9	37.19	8.581			
5,600.0	5,546.9	5,623.4	5,538.8	18.3	20.3	-88.22	742.7	-344.3	321.8	284.2	37.60	8.560			
5,700.0	5,646.8	5,728.0	5,643.3	18.4	20.4	-88.26	746.3	-345.9	323.2	285.3	37.92	8.522			
5,753.2	5,700.0	5,783.7	5,699.0	18.5	20.5	-90.01	746.9	-346.1	323.4	285.3	38.14	8.479			
5,800.0	5,746.8	5,830.6	5,745.8	18.6	20.6	-90.01	746.9	-346.1	323.4	285.1	38.27	8.451			
5,862.7	5,809.5	5,893.3	5,808.5	18.7	20.7	-90.01	746.9	-346.1	323.4	285.0	38.45	8.412			
5,900.0	5,846.8	5,930.5	5,845.7	18.7	20.7	-90.03	746.7	-346.1	323.4	284.9	38.55	8.389			
5,996.3	5,943.1	6,024.3	5,938.9	18.9	20.7	-91.86	736.4	-346.3	323.8	284.9	38.81	8.342			
6,000.0	5,946.8	6,027.8	5,942.3	18.9	20.7	87.08	735.7	-346.3	323.8	285.0	38.76	8.354			
6,050.0	5,996.7	6,074.9	5,987.9	18.9	20.6	85.38	723.9	-346.5	324.5	285.6	38.83	8.356			
6,100.0	6,046.2	6,121.2	6,031.5	18.9	20.5	83.73	708.4	-346.7	325.4	286.6	38.78	8.391			
6,150.0	6,094.6	6,166.8	6,072.9	18.8	20.4	82.16	689.4	-347.1	326.5	287.9	38.61	8.456			
6,200.0	6,141.7	6,211.7	6,112.0	18.7	20.2	80.66	667.2	-347.4	327.9	289.5	38.34	8.551			
6,250.0	6,186.9	6,256.1	6,148.5	18.6	20.0	79.26	642.1	-347.8	329.3	291.3	37.96	8.675			
6,300.0	6,229.9	6,300.0	6,182.4	18.4	19.8	77.96	614.2	-348.3	330.8	293.3	37.49	8.825			
6,350.0	6,270.3	6,343.4	6,213.5	18.2	19.6	76.77	584.0	-348.8	332.4	295.5	36.93	8.999			
6,400.0	6,307.6	6,386.3	6,241.7	17.9	19.4	75.69	551.6	-349.4	333.9	297.6	36.32	9.193			
6,450.0	6,341.6	6,429.0	6,267.0	17.7	19.1	74.74	517.3	-349.9	335.4	299.7	35.68	9.400			
6,500.0	6,371.9	6,471.3	6,289.2	17.4	18.9	73.91	481.2	-350.5	336.7	301.7	35.02	9.615			
6,550.0	6,398.3	6,513.4	6,308.3	17.2	18.7	73.21	443.8	-351.2	337.9	303.6	34.38	9.830			
6,600.0	6,420.5	6,555.3	6,324.3	17.0	18.4	72.63	405.1	-351.8	339.0	305.2	33.78	10.035			
6,650.0	6,438.2	6,600.0	6,337.8	16.8	18.2	72.17	362.5	-352.5	339.8	306.6	33.23	10.225			
6,700.0	6,451.5	6,638.5	6,346.5	16.6	18.0	71.89	324.9	-353.1	340.4	307.6	32.81	10.375			
6,750.0	6,460.0	6,680.0	6,352.8	16.5	17.8	71.72	283.9	-353.8	340.7	308.2	32.48	10.491			
6,800.0	6,463.8	6,721.5	6,355.7	16.4	17.7	71.68	242.6	-354.5	340.8	308.5	32.26	10.564			
6,814.5	6,464.0	6,733.5	6,356.0	16.4	17.6	71.70	230.6	-354.7	340.8	308.5	32.22	10.577			
6,834.5	6,464.0	6,752.7	6,356.0	16.4	17.5	71.70	211.4	-355.0	340.8	308.6	32.21	10.579			
6,900.0	6,464.0	6,818.1	6,356.0	16.4	17.3	71.70	146.0	-356.1	340.8	308.6	32.22	10.577			
7,000.0	6,464.0	6,918.1	6,356.0	16.6	17.2	71.70	46.0	-357.8	340.8	308.2	32.61	10.452			
7,100.0	6,464.0	7,018.1	6,356.0	17.0	17.3	71.70	-54.0	-359.5	340.8	307.5	33.39	10.209			
7,200.0	6,464.0	7,118.1	6,356.0	17.7	17.7	71.71	-154.0	-361.1	340.9	306.3	34.54	9.869			
7,300.0	6,464.0	7,218.1	6,356.0	18.5	18.4	71.71	-254.0	-362.8	340.9	304.9	36.03	9.462			
7,400.0	6,464.0	7,318.1	6,356.0	19.4	19.3	71.71	-353.9	-364.5	340.9	303.1	37.81	9.016			
7,500.0	6,464.0	7,418.1	6,356.0	20.5	20.3	71.71	-453.9	-366.1	341.0	301.1	39.86	8.554			
7,600.0	6,464.0	7,518.1	6,356.0	21.7	21.5	71.71	-553.9	-367.8	341.0	298.9	42.13	8.095			
7,700.0	6,464.0	7,618.1	6,356.0	23.1	22.8	71.71	-653.9	-369.5	341.0	296.4	44.58	7.650			
7,800.0	6,464.0	7,718.1	6,356.0	24.4	24.1	71.72	-753.9	-371.1	341.1	293.9	47.19	7.228			
7,900.0	6,464.0	7,818.1	6,356.0	25.9	25.6	71.72	-853.9	-372.8	341.1	291.2	49.93	6.831			
8,000.0	6,464.0	7,918.1	6,356.0	27.4	27.1	71.72	-953.9	-374.5	341.1	288.3	52.79	6.462			
8,100.0	6,464.0	8,018.1	6,356.0	29.0	28.6	71.72	-1,053.8	-376.1	341.1	285.4	55.74	6.121			
8,200.0	6,464.0	8,118.1	6,356.0	30.6	30.2	71.72	-1,153.8	-377.8	341.2	282.4	58.77	5.806			
8,300.0	6,464.0	8,218.1	6,356.0	32.2	31.8	71.72	-1,253.8	-379.5	341.2	279.3	61.87	5.515			
8,400.0	6,464.0	8,318.1	6,356.0	33.9	33.4	71.73	-1,353.8	-381.2	341.2	276.2	65.03	5.248			
8,500.0	6,464.0	8,418.1	6,356.0	35.6	35.1	71.73	-1,453.8	-382.8	341.3	273.0	68.24	5.001			

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 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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 Reference	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,600.0	6,464.0	8,518.1	6,356.0	37.3	36.8	71.73	71.73	-1,553.8	-384.5	341.3	269.8	71.49	4.774	
8,700.0	6,464.0	8,618.1	6,356.0	39.0	38.5	71.73	71.73	-1,653.8	-386.2	341.3	266.5	74.78	4.564	
8,800.0	6,464.0	8,718.1	6,356.0	40.8	40.2	71.73	71.73	-1,753.8	-387.8	341.4	263.2	78.11	4.370	
8,900.0	6,464.0	8,818.1	6,356.0	42.5	41.9	71.73	71.73	-1,853.7	-389.5	341.4	259.9	81.46	4.191	
9,000.0	6,464.0	8,918.1	6,356.0	44.3	43.7	71.74	71.74	-1,953.7	-391.2	341.4	256.6	84.84	4.024	
9,100.0	6,464.0	9,018.1	6,356.0	46.1	45.5	71.74	71.74	-2,053.7	-392.8	341.4	253.2	88.25	3.869	
9,200.0	6,464.0	9,118.1	6,356.0	47.9	47.3	71.74	71.74	-2,153.7	-394.5	341.5	249.8	91.67	3.725	
9,300.0	6,464.0	9,218.1	6,356.0	49.7	49.1	71.74	71.74	-2,253.7	-396.2	341.5	246.4	95.11	3.590	
9,400.0	6,464.0	9,318.1	6,356.0	51.5	50.9	71.74	71.74	-2,353.7	-397.8	341.5	243.0	98.57	3.465	
9,500.0	6,464.0	9,418.1	6,356.0	53.3	52.7	71.74	71.74	-2,453.7	-399.5	341.6	239.5	102.05	3.347	
9,600.0	6,464.0	9,518.1	6,356.0	55.1	54.5	71.75	71.75	-2,553.6	-401.2	341.6	236.1	105.53	3.237	
9,700.0	6,464.0	9,618.1	6,356.0	57.0	56.3	71.75	71.75	-2,653.6	-402.8	341.6	232.6	109.03	3.133	
9,800.0	6,464.0	9,718.1	6,356.0	58.8	58.1	71.75	71.75	-2,753.6	-404.5	341.7	229.1	112.54	3.036	
9,900.0	6,464.0	9,818.1	6,356.0	60.6	60.0	71.75	71.75	-2,853.6	-406.2	341.7	225.6	116.06	2.944	
10,000.0	6,464.0	9,918.1	6,356.0	62.5	61.8	71.75	71.75	-2,953.6	-407.8	341.7	222.1	119.59	2.857	
10,100.0	6,464.0	10,018.1	6,356.0	64.3	63.6	71.75	71.75	-3,053.6	-409.5	341.7	218.6	123.13	2.776	
10,200.0	6,464.0	10,118.1	6,356.0	66.2	65.5	71.76	71.76	-3,153.6	-411.2	341.8	215.1	126.67	2.698	
10,300.0	6,464.0	10,218.1	6,356.0	68.1	67.3	71.76	71.76	-3,253.5	-412.9	341.8	211.6	130.22	2.625	
10,400.0	6,464.0	10,318.1	6,356.0	69.9	69.2	71.76	71.76	-3,353.5	-414.5	341.8	208.1	133.78	2.555	
10,500.0	6,464.0	10,418.1	6,356.0	71.8	71.0	71.76	71.76	-3,453.5	-416.2	341.9	204.5	137.34	2.489	
10,600.0	6,464.0	10,518.1	6,356.0	73.6	72.9	71.76	71.76	-3,553.5	-417.9	341.9	201.0	140.91	2.426	
10,700.0	6,464.0	10,618.1	6,356.0	75.5	74.8	71.76	71.76	-3,653.5	-419.5	341.9	197.4	144.48	2.367	
10,800.0	6,464.0	10,718.1	6,356.0	77.4	76.6	71.77	71.77	-3,753.5	-421.2	342.0	193.9	148.06	2.310	
10,900.0	6,464.0	10,818.1	6,356.0	79.3	78.5	71.77	71.77	-3,853.5	-422.9	342.0	190.3	151.64	2.255	
11,004.8	6,464.0	10,922.9	6,356.0	81.2	80.5	71.77	71.77	-3,958.3	-424.6	342.0	186.6	155.40	2.201 SF	

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte P-T-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	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		-80.2	0.0	80.2				
100.0	100.0	99.0	99.0	0.1	0.1	180.00		-80.2	0.0	80.2	79.9	0.22	358.429	
200.0	200.0	199.0	199.0	0.3	0.3	180.00		-80.2	0.0	80.2	79.5	0.67	119.278 CC, ES	
300.0	300.0	299.0	299.0	0.6	0.6	-178.30		-80.2	0.0	81.9	80.8	1.13	72.508	
400.0	399.8	398.8	398.8	0.8	0.8	-178.39		-80.2	0.0	87.1	85.5	1.59	54.753	
500.0	499.5	498.5	498.5	1.0	1.0	-178.54		-80.2	0.0	95.8	93.8	2.05	46.688	
600.0	598.7	597.7	597.7	1.3	1.2	-178.70		-80.2	0.0	108.0	105.5	2.51	42.961	
618.3	616.8	615.8	615.8	1.4	1.3	-178.73		-80.2	0.0	110.6	108.0	2.60	42.567	
700.0	697.6	696.6	696.6	1.6	1.5	-178.85		-80.2	0.0	122.5	119.6	2.97	41.281	
800.0	796.6	795.6	795.6	2.0	1.7	-178.97		-80.2	0.0	137.1	133.6	3.42	40.038	
900.0	895.5	894.5	894.5	2.3	1.9	-179.07		-80.2	0.0	151.6	147.7	3.88	39.058	
1,000.0	994.5	993.5	993.5	2.6	2.1	-179.15		-80.2	0.0	166.2	161.8	4.34	38.267	
1,100.0	1,093.4	1,092.2	1,092.2	3.0	2.4	-178.90		-78.9	-1.0	179.5	174.7	4.81	37.323	
1,200.0	1,192.3	1,201.8	1,201.7	3.3	2.6	-177.96		-74.6	-4.5	190.0	184.7	5.28	35.997	
1,300.0	1,291.3	1,306.9	1,306.3	3.7	2.8	-176.40		-67.4	-10.3	197.8	192.0	5.76	34.332	
1,400.0	1,390.2	1,412.0	1,410.5	4.0	3.1	-174.24		-57.2	-18.6	203.0	196.7	6.26	32.409	
1,500.0	1,489.1	1,516.8	1,514.0	4.3	3.4	-171.45		-44.0	-29.3	205.9	199.1	6.80	30.288	
1,600.0	1,588.1	1,621.2	1,616.4	4.7	3.7	-167.97		-28.0	-42.3	206.7	199.4	7.38	28.022	
1,700.0	1,687.0	1,724.9	1,717.2	5.0	4.1	-163.74		-9.3	-57.4	206.1	198.1	8.03	25.680	
1,800.0	1,785.9	1,824.1	1,813.1	5.4	4.5	-159.18		10.3	-73.3	205.4	196.6	8.74	23.488	
1,808.4	1,794.2	1,832.4	1,821.1	5.4	4.5	-158.80		12.0	-74.7	205.4	196.6	8.81	23.320	
1,900.0	1,884.9	1,922.7	1,908.5	5.7	4.9	-154.63		29.8	-89.2	205.9	196.4	9.51	21.643	
2,000.0	1,983.8	2,021.3	2,003.8	6.1	5.4	-150.13		49.4	-105.0	207.8	197.5	10.34	20.096	
2,100.0	2,082.7	2,119.9	2,099.2	6.4	5.9	-145.74		68.9	-120.8	211.0	199.8	11.21	18.824	
2,200.0	2,181.7	2,218.6	2,194.6	6.8	6.3	-141.50		88.4	-136.6	215.4	203.3	12.10	17.793	
2,300.0	2,280.6	2,317.2	2,289.9	7.1	6.8	-137.45		107.9	-152.5	220.9	207.9	13.02	16.970	
2,400.0	2,379.6	2,415.8	2,385.3	7.5	7.3	-133.60		127.5	-168.3	227.5	213.6	13.94	16.324	
2,500.0	2,478.5	2,514.4	2,480.6	7.8	7.8	-129.99		147.0	-184.1	235.1	220.3	14.86	15.825	
2,600.0	2,577.4	2,613.0	2,576.0	8.1	8.3	-126.61		166.5	-200.0	243.6	227.9	15.77	15.448	
2,700.0	2,676.4	2,711.6	2,671.4	8.5	8.8	-123.46		186.0	-215.8	252.9	236.3	16.67	15.170	
2,800.0	2,775.3	2,810.3	2,766.7	8.8	9.3	-120.54		205.5	-231.6	262.9	245.4	17.56	14.974	
2,900.0	2,874.2	2,908.9	2,862.1	9.2	9.8	-117.84		225.1	-247.4	273.6	255.2	18.43	14.843	
3,000.0	2,973.2	3,007.5	2,957.5	9.5	10.3	-115.34		244.6	-263.3	284.8	265.5	19.29	14.765	
3,100.0	3,072.1	3,106.1	3,052.8	9.9	10.8	-113.03		264.1	-279.1	296.5	276.4	20.13	14.729	
3,200.0	3,171.0	3,204.7	3,148.2	10.2	11.3	-110.90		283.6	-294.9	308.7	287.7	20.96	14.727	
3,300.0	3,270.0	3,303.4	3,243.5	10.6	11.9	-108.93		303.2	-310.7	321.2	299.5	21.77	14.753	
3,400.0	3,368.9	3,402.0	3,338.9	10.9	12.4	-107.11		322.7	-326.6	334.1	311.6	22.58	14.800	
3,500.0	3,467.8	3,500.6	3,434.3	11.3	12.9	-105.42		342.2	-342.4	347.3	324.0	23.37	14.863	
3,600.0	3,566.8	3,599.2	3,529.6	11.6	13.4	-103.86		361.7	-358.2	360.8	336.7	24.15	14.941	
3,700.0	3,665.7	3,697.8	3,625.0	12.0	13.9	-102.41		381.3	-374.0	374.6	349.6	24.92	15.028	
3,800.0	3,764.7	3,796.5	3,720.4	12.3	14.4	-101.07		400.8	-389.9	388.5	362.8	25.69	15.123	
3,900.0	3,863.6	3,895.1	3,815.7	12.7	15.0	-99.81		420.3	-405.7	402.7	376.2	26.45	15.225	
4,000.0	3,962.5	3,993.7	3,911.1	13.0	15.5	-98.64		439.8	-421.5	417.0	389.8	27.20	15.330	
4,100.0	4,061.5	4,092.3	4,006.5	13.4	16.0	-97.55		459.3	-437.3	431.5	403.5	27.95	15.439	
4,200.0	4,160.4	4,190.9	4,101.8	13.7	16.5	-96.53		478.9	-453.2	446.1	417.4	28.69	15.550	
4,300.0	4,259.3	4,289.6	4,197.2	14.1	17.1	-95.58		498.4	-469.0	460.9	431.5	29.43	15.661	
4,400.0	4,358.3	4,388.2	4,292.5	14.4	17.6	-94.68		517.9	-484.8	475.8	445.6	30.16	15.774	
4,500.0	4,457.2	4,486.8	4,387.9	14.8	18.1	-93.84		537.4	-500.6	490.8	459.9	30.89	15.886	
4,600.0	4,556.1	4,585.4	4,483.3	15.1	18.6	-93.05		557.0	-516.5	505.9	474.2	31.62	15.998	
4,700.0	4,655.1	4,684.0	4,578.6	15.4	19.1	-92.30		576.5	-532.3	521.0	488.7	32.35	16.108	
4,800.0	4,754.0	4,782.7	4,674.0	15.8	19.7	-91.60		596.0	-548.1	536.3	503.2	33.07	16.218	

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

Offset Design										State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte P-T-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									
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)					
4,900.0	4,852.9	4,881.3	4,769.4	16.1	20.2	-90.93	615.5	-564.0	551.6	517.8	33.79	16.326				
5,000.0	4,951.9	4,979.9	4,864.7	16.5	20.7	-90.30	635.1	-579.8	567.0	532.5	34.51	16.432				
5,100.0	5,050.8	5,078.5	4,960.1	16.8	21.2	-89.71	654.6	-595.6	582.5	547.3	35.22	16.537				
5,200.0	5,149.8	5,177.1	5,055.4	17.2	21.8	-89.14	674.1	-611.4	598.0	562.1	35.94	16.640				
5,300.0	5,248.7	5,288.5	5,163.5	17.5	22.2	-88.66	694.9	-628.3	612.7	576.1	36.62	16.731				
5,334.8	5,283.2	5,328.3	5,202.4	17.7	22.4	-88.57	701.6	-633.7	617.3	580.4	36.86	16.748				
5,400.0	5,347.7	5,403.1	5,275.7	17.9	22.6	-88.59	713.0	-642.9	625.1	587.8	37.29	16.763				
5,500.0	5,447.2	5,518.3	5,389.4	18.1	23.0	-88.55	727.6	-654.8	635.0	597.2	37.83	16.787				
5,600.0	5,546.9	5,634.1	5,504.3	18.3	23.3	-88.43	738.7	-663.8	642.6	604.3	38.28	16.787				
5,700.0	5,646.8	5,750.4	5,620.2	18.4	23.5	-88.24	746.2	-669.8	647.7	609.0	38.63	16.765				
5,753.2	5,700.0	5,812.4	5,682.1	18.5	23.6	-89.85	748.7	-671.9	649.4	610.5	38.93	16.682				
5,800.0	5,746.8	5,867.1	5,736.7	18.6	23.7	-89.73	750.0	-673.0	650.3	611.3	39.05	16.654				
5,900.0	5,846.8	5,976.2	5,845.8	18.7	23.8	-89.68	750.5	-673.4	650.7	611.4	39.33	16.546				
5,964.2	5,911.0	6,040.4	5,910.0	18.8	23.9	-89.68	750.5	-673.4	650.7	611.2	39.51	16.472				
5,996.3	5,943.1	6,072.4	5,942.1	18.9	23.9	-89.68	750.5	-673.4	650.7	611.1	39.59	16.434				
6,000.0	5,946.8	6,076.1	5,945.8	18.9	23.9	89.38	750.5	-673.4	650.7	611.2	39.46	16.490				
6,050.0	5,996.7	6,125.5	5,995.1	18.9	23.9	89.39	747.8	-673.4	650.7	611.2	39.52	16.467				
6,100.0	6,046.2	6,174.8	6,043.9	18.9	23.9	89.39	740.5	-673.6	650.7	611.2	39.47	16.485				
6,150.0	6,094.6	6,224.2	6,091.8	18.8	23.9	89.41	728.6	-673.8	650.7	611.4	39.33	16.545				
6,200.0	6,141.7	6,273.6	6,138.3	18.7	23.8	89.43	712.2	-674.0	650.7	611.6	39.09	16.646				
6,250.0	6,186.9	6,323.0	6,183.2	18.6	23.6	89.45	691.4	-674.3	650.7	611.9	38.77	16.784				
6,300.0	6,229.9	6,372.5	6,225.8	18.4	23.4	89.48	666.5	-674.7	650.7	612.3	38.38	16.955				
6,350.0	6,270.3	6,422.0	6,266.0	18.2	23.2	89.52	637.6	-675.2	650.7	612.7	37.92	17.157				
6,400.0	6,307.6	6,471.5	6,303.3	17.9	23.0	89.56	605.0	-675.7	650.6	613.2	37.43	17.384				
6,450.0	6,341.6	6,521.0	6,337.3	17.7	22.8	89.60	569.0	-676.3	650.6	613.7	36.90	17.630				
6,500.0	6,371.9	6,570.6	6,367.8	17.4	22.5	89.65	529.9	-676.9	650.6	614.2	36.37	17.887				
6,550.0	6,398.3	6,620.3	6,394.4	17.2	22.3	89.70	488.1	-677.6	650.6	614.7	35.85	18.147				
6,600.0	6,420.5	6,670.0	6,417.0	17.0	22.0	89.75	443.8	-678.3	650.6	615.2	35.36	18.400				
6,650.0	6,438.2	6,719.8	6,435.2	16.8	21.7	89.80	397.5	-679.0	650.5	615.6	34.91	18.635				
6,700.0	6,451.5	6,769.6	6,449.0	16.6	21.4	89.86	349.7	-679.8	650.5	616.0	34.52	18.844				
6,750.0	6,460.0	6,819.5	6,458.1	16.5	21.2	89.92	300.7	-680.6	650.5	616.3	34.21	19.015				
6,800.0	6,463.8	6,869.4	6,462.6	16.4	20.9	89.98	250.9	-681.4	650.5	616.5	33.98	19.144				
6,814.5	6,464.0	6,883.9	6,463.0	16.4	20.9	90.00	236.5	-681.6	650.5	616.5	33.93	19.172				
7,000.0	6,464.0	7,069.4	6,463.0	16.6	20.1	90.00	51.0	-684.6	650.4	616.3	34.11	19.069				
7,100.0	6,464.0	7,169.4	6,463.0	17.0	19.7	90.00	-49.0	-686.2	650.4	615.6	34.80	18.689				
7,200.0	6,464.0	7,269.4	6,463.0	17.7	19.5	90.00	-149.0	-687.8	650.3	614.4	35.89	18.121				
7,300.0	6,464.0	7,369.4	6,463.0	18.5	19.4	90.00	-249.0	-689.4	650.3	612.9	37.34	17.417				
7,400.0	6,464.0	7,469.4	6,463.0	19.4	20.1	90.00	-349.0	-691.0	650.2	611.1	39.11	16.626				
7,500.0	6,464.0	7,569.4	6,463.0	20.5	21.2	90.00	-448.9	-692.6	650.2	609.0	41.16	15.796				
7,600.0	6,464.0	7,669.4	6,463.0	21.7	22.4	90.00	-548.9	-694.2	650.2	606.7	43.46	14.961				
7,700.0	6,464.0	7,769.4	6,463.0	23.1	23.6	90.00	-648.9	-695.8	650.1	604.2	45.96	14.146				
7,800.0	6,464.0	7,869.4	6,463.0	24.4	25.0	90.00	-748.9	-697.4	650.1	601.5	48.63	13.368				
7,900.0	6,464.0	7,969.4	6,463.0	25.9	26.4	90.00	-848.9	-698.9	650.0	598.6	51.45	12.634				
8,000.0	6,464.0	8,069.4	6,463.0	27.4	27.8	90.00	-948.9	-700.5	650.0	595.6	54.39	11.950				
8,100.0	6,464.0	8,169.4	6,463.0	29.0	29.3	90.00	-1,048.9	-702.1	650.0	592.5	57.44	11.315				
8,200.0	6,464.0	8,269.4	6,463.0	30.6	30.9	90.00	-1,148.9	-703.7	649.9	589.3	60.58	10.728				
8,300.0	6,464.0	8,369.4	6,463.0	32.2	32.5	90.00	-1,248.8	-705.3	649.9	586.1	63.79	10.187				
8,400.0	6,464.0	8,469.4	6,463.0	33.9	34.1	90.00	-1,348.8	-706.9	649.8	582.8	67.07	9.689				
8,500.0	6,464.0	8,569.4	6,463.0	35.6	35.7	90.00	-1,448.8	-708.5	649.8	579.4	70.41	9.229				
8,600.0	6,464.0	8,669.4	6,463.0	37.3	37.3	90.00	-1,548.8	-710.1	649.8	576.0	73.79	8.806				
8,700.0	6,464.0	8,769.4	6,463.0	39.0	39.0	90.00	-1,648.8	-711.7	649.7	572.5	77.21	8.415				

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (8-29-13)	Offset TVD Reference:	Offset Datum

Offset Design State North Platte 41-26 Pad Sec.26-T5N-R63W - State North Platte P-T-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	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	
8,800.0	6,464.0	8,869.4	6,463.0	40.8	40.7	90.00	-1,748.8	-713.3	649.7	569.0	80.67	8.053		
8,900.0	6,464.0	8,969.4	6,463.0	42.5	42.4	90.00	-1,848.8	-714.9	649.6	565.5	84.17	7.718		
9,000.0	6,464.0	9,069.4	6,463.0	44.3	44.2	90.00	-1,948.8	-716.5	649.6	561.9	87.69	7.408		
9,100.0	6,464.0	9,169.4	6,463.0	46.1	45.9	90.00	-2,048.7	-718.1	649.6	558.3	91.24	7.120		
9,200.0	6,464.0	9,269.4	6,463.0	47.9	47.7	90.00	-2,148.7	-719.7	649.5	554.7	94.81	6.851		
9,300.0	6,464.0	9,369.4	6,463.0	49.7	49.4	90.00	-2,248.7	-721.3	649.5	551.1	98.39	6.601		
9,400.0	6,464.0	9,469.4	6,463.0	51.5	51.2	90.00	-2,348.7	-722.9	649.5	547.4	102.00	6.367		
9,500.0	6,464.0	9,569.4	6,463.0	53.3	53.0	90.00	-2,448.7	-724.5	649.4	543.8	105.62	6.148		
9,600.0	6,464.0	9,669.4	6,463.0	55.1	54.8	90.00	-2,548.7	-726.1	649.4	540.1	109.26	5.943		
9,700.0	6,464.0	9,769.4	6,463.0	57.0	56.6	90.00	-2,648.7	-727.7	649.3	536.4	112.91	5.751		
9,800.0	6,464.0	9,869.4	6,463.0	58.8	58.4	90.00	-2,748.7	-729.3	649.3	532.7	116.57	5.570		
9,900.0	6,464.0	9,969.4	6,463.0	60.6	60.2	90.00	-2,848.6	-730.9	649.3	529.0	120.24	5.400		
10,000.0	6,464.0	10,069.4	6,463.0	62.5	62.1	90.00	-2,948.6	-732.5	649.2	525.3	123.92	5.239		
10,100.0	6,464.0	10,169.4	6,463.0	64.3	63.9	90.00	-3,048.6	-734.1	649.2	521.6	127.62	5.087		
10,200.0	6,464.0	10,269.4	6,463.0	66.2	65.7	90.00	-3,148.6	-735.7	649.1	517.8	131.31	4.943		
10,300.0	6,464.0	10,369.4	6,463.0	68.1	67.5	90.00	-3,248.6	-737.3	649.1	514.1	135.02	4.807		
10,400.0	6,464.0	10,469.4	6,463.0	69.9	69.4	90.00	-3,348.6	-738.9	649.1	510.3	138.73	4.678		
10,500.0	6,464.0	10,569.4	6,463.0	71.8	71.2	90.00	-3,448.6	-740.5	649.0	506.6	142.45	4.556		
10,600.0	6,464.0	10,669.4	6,463.0	73.6	73.1	90.00	-3,548.6	-742.1	649.0	502.8	146.18	4.440		
10,700.0	6,464.0	10,769.4	6,463.0	75.5	74.9	90.00	-3,648.5	-743.7	648.9	499.0	149.91	4.329		
10,800.0	6,464.0	10,869.4	6,463.0	77.4	76.8	90.00	-3,748.5	-745.3	648.9	495.3	153.64	4.223		
10,900.0	6,464.0	10,969.4	6,463.0	79.3	78.6	90.00	-3,848.5	-746.9	648.9	491.5	157.38	4.123		
11,004.8	6,464.0	11,074.2	6,463.0	81.2	80.6	90.00	-3,953.3	-748.5	648.8	487.5	161.31	4.022 SF		

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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	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	-21.9	0.0	21.9				
100.0	100.0	100.0	100.0	0.1	0.1	-180.00	-180.00	-21.9	0.0	21.9	21.6	0.22	97.251	
200.0	200.0	200.0	200.0	0.3	0.3	-180.00	-180.00	-21.9	0.0	21.9	21.2	0.67	32.417 CC, ES	
300.0	300.0	300.0	300.0	0.6	0.6	-178.39	-178.39	-21.9	0.0	23.6	22.5	1.13	20.854	
400.0	399.8	399.8	399.8	0.8	0.8	-178.68	-178.68	-21.9	0.0	28.8	27.2	1.59	18.094	
500.0	499.5	500.6	500.6	1.0	1.0	179.94	179.94	-20.2	0.6	35.9	33.9	2.05	17.531	
600.0	598.7	601.6	601.4	1.3	1.2	177.16	177.16	-15.3	2.6	43.4	40.9	2.50	17.314	
618.3	616.8	620.1	619.9	1.4	1.3	176.56	176.56	-14.0	3.1	44.8	42.2	2.59	17.288	
700.0	697.6	702.8	702.2	1.6	1.5	173.50	173.50	-7.0	5.9	50.1	47.1	2.97	16.876	
800.0	796.6	804.2	802.9	2.0	1.8	168.69	168.69	4.6	10.5	54.0	50.6	3.46	15.631	
900.0	895.5	905.2	902.6	2.3	2.1	162.35	162.35	19.4	16.3	55.7	51.7	4.00	13.935	
1,000.0	994.5	1,005.0	1,001.0	2.6	2.4	155.69	155.69	35.0	22.5	57.2	52.6	4.59	12.461	
1,100.0	1,093.4	1,104.8	1,099.3	3.0	2.7	149.45	149.45	50.7	28.6	59.4	54.2	5.23	11.355	
1,200.0	1,192.3	1,204.6	1,197.7	3.3	3.1	143.72	143.72	66.3	34.8	62.3	56.3	5.91	10.527	
1,300.0	1,291.3	1,304.3	1,296.0	3.7	3.4	138.54	138.54	81.9	41.0	65.7	59.1	6.63	9.910	
1,400.0	1,390.2	1,404.1	1,394.4	4.0	3.8	133.91	133.91	97.6	47.2	69.6	62.3	7.36	9.454	
1,500.0	1,489.1	1,503.9	1,492.7	4.3	4.2	129.80	129.80	113.2	53.3	73.9	65.8	8.11	9.117	
1,600.0	1,588.1	1,603.6	1,591.1	4.7	4.5	126.15	126.15	128.8	59.5	78.6	69.7	8.86	8.870	
1,700.0	1,687.0	1,703.4	1,689.4	5.0	4.9	122.92	122.92	144.4	65.7	83.6	73.9	9.61	8.690	
1,800.0	1,785.9	1,803.2	1,787.8	5.4	5.3	120.06	120.06	160.1	71.9	88.7	78.4	10.37	8.560	
1,900.0	1,884.9	1,903.0	1,886.1	5.7	5.7	117.53	117.53	175.7	78.0	94.1	83.0	11.12	8.467	
2,000.0	1,983.8	2,002.7	1,984.5	6.1	6.0	115.27	115.27	191.3	84.2	99.7	87.8	11.86	8.402	
2,100.0	2,082.7	2,102.5	2,082.8	6.4	6.4	113.25	113.25	207.0	90.4	105.3	92.7	12.60	8.358	
2,200.0	2,181.7	2,202.3	2,181.1	6.8	6.8	111.44	111.44	222.6	96.6	111.1	97.8	13.34	8.330	
2,300.0	2,280.6	2,302.1	2,279.5	7.1	7.2	109.80	109.80	238.2	102.7	117.0	103.0	14.08	8.314	
2,400.0	2,379.6	2,401.8	2,377.8	7.5	7.5	108.33	108.33	253.9	108.9	123.0	108.2	14.81	8.307	
2,500.0	2,478.5	2,501.6	2,476.2	7.8	7.9	107.00	107.00	269.5	115.1	129.1	113.5	15.54	8.307	
2,600.0	2,577.4	2,601.4	2,574.5	8.1	8.3	105.78	105.78	285.1	121.3	135.2	118.9	16.26	8.313	
2,700.0	2,676.4	2,701.1	2,672.9	8.5	8.7	104.67	104.67	300.8	127.4	141.4	124.4	16.99	8.322	
2,800.0	2,775.3	2,800.9	2,771.2	8.8	9.1	103.65	103.65	316.4	133.6	147.6	129.9	17.71	8.334	
2,900.0	2,874.2	2,900.7	2,869.6	9.2	9.4	102.72	102.72	332.0	139.8	153.9	135.4	18.43	8.349	
3,000.0	2,973.2	3,000.5	2,967.9	9.5	9.8	101.86	101.86	347.6	145.9	160.2	141.0	19.15	8.365	
3,100.0	3,072.1	3,100.2	3,066.3	9.9	10.2	101.06	101.06	363.3	152.1	166.5	146.6	19.86	8.383	
3,200.0	3,171.0	3,200.0	3,164.6	10.2	10.6	100.33	100.33	378.9	158.3	172.9	152.3	20.58	8.401	
3,300.0	3,270.0	3,299.8	3,263.0	10.6	11.0	99.64	99.64	394.5	164.5	179.3	158.0	21.29	8.420	
3,400.0	3,368.9	3,399.6	3,361.3	10.9	11.3	99.01	99.01	410.2	170.6	185.7	163.7	22.00	8.439	
3,500.0	3,467.8	3,499.3	3,459.7	11.3	11.7	98.41	98.41	425.8	176.8	192.1	169.4	22.72	8.458	
3,600.0	3,566.8	3,599.1	3,558.0	11.6	12.1	97.85	97.85	441.4	183.0	198.6	175.2	23.43	8.477	
3,700.0	3,665.7	3,698.9	3,656.4	12.0	12.5	97.33	97.33	457.1	189.2	205.1	180.9	24.14	8.496	
3,800.0	3,764.7	3,798.7	3,754.7	12.3	12.9	96.84	96.84	472.7	195.3	211.6	186.7	24.84	8.515	
3,900.0	3,863.6	3,898.4	3,853.1	12.7	13.2	96.38	96.38	488.3	201.5	218.1	192.5	25.55	8.534	
4,000.0	3,962.5	3,998.2	3,951.4	13.0	13.6	95.95	95.95	504.0	207.7	224.6	198.3	26.26	8.553	
4,100.0	4,061.5	4,098.0	4,049.8	13.4	14.0	95.54	95.54	519.6	213.9	231.1	204.2	26.97	8.571	
4,200.0	4,160.4	4,197.7	4,148.1	13.7	14.4	95.16	95.16	535.2	220.0	237.7	210.0	27.67	8.588	
4,300.0	4,259.3	4,297.5	4,246.4	14.1	14.8	94.79	94.79	550.8	226.2	244.2	215.8	28.38	8.606	
4,400.0	4,358.3	4,397.3	4,344.8	14.4	15.1	94.44	94.44	566.5	232.4	250.8	221.7	29.08	8.623	
4,500.0	4,457.2	4,497.1	4,443.1	14.8	15.5	94.11	94.11	582.1	238.6	257.3	227.6	29.79	8.639	
4,600.0	4,556.1	4,596.8	4,541.5	15.1	15.9	93.80	93.80	597.7	244.7	263.9	233.4	30.49	8.656	
4,700.0	4,655.1	4,696.6	4,639.8	15.4	16.3	93.51	93.51	613.4	250.9	270.5	239.3	31.20	8.671	
4,800.0	4,754.0	4,796.4	4,738.2	15.8	16.7	93.22	93.22	629.0	257.1	277.1	245.2	31.90	8.687	
4,900.0	4,852.9	4,896.2	4,836.5	16.1	17.0	92.95	92.95	644.6	263.3	283.7	251.1	32.60	8.702	

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 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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	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
5,000.0	4,951.9	4,995.9	4,934.9	16.5	17.4	92.69	92.69	660.3	269.4	290.3	257.0	33.31	8.717	
5,100.0	5,050.8	5,095.7	5,033.2	16.8	17.8	92.45	92.45	675.9	275.6	296.9	262.9	34.01	8.731	
5,200.0	5,149.8	5,195.5	5,131.6	17.2	18.2	92.21	92.21	691.5	281.8	303.5	268.8	34.71	8.745	
5,300.0	5,248.7	5,295.8	5,230.4	17.5	18.6	91.99	91.99	707.2	288.0	310.2	274.7	35.41	8.759	
5,334.8	5,283.2	5,332.0	5,266.2	17.7	18.7	91.98	91.98	712.5	290.1	312.3	276.7	35.63	8.766	
5,400.0	5,347.7	5,399.7	5,333.2	17.9	18.9	92.10	92.10	721.3	293.5	315.9	279.9	36.01	8.772	
5,500.0	5,447.2	5,503.7	5,436.6	18.1	19.1	92.24	92.24	732.0	297.7	320.3	283.8	36.50	8.775	
5,600.0	5,546.9	5,607.9	5,540.5	18.3	19.3	92.33	92.33	739.1	300.6	323.2	286.3	36.91	8.758	
5,700.0	5,646.8	5,712.1	5,644.6	18.4	19.5	92.38	92.38	742.7	302.0	324.7	287.5	37.24	8.720	
5,753.2	5,700.0	5,767.5	5,700.0	18.5	19.5	90.65	90.65	743.2	302.2	324.9	287.6	37.33	8.704	
5,800.0	5,746.8	5,814.3	5,746.8	18.6	19.6	90.65	90.65	743.2	302.2	324.9	287.5	37.45	8.675	
5,900.0	5,846.8	5,914.3	5,846.9	18.7	19.7	90.66	90.66	743.1	302.2	324.9	287.2	37.74	8.610	
5,930.2	5,877.1	5,944.6	5,877.1	18.8	19.8	90.93	90.93	741.6	302.2	324.9	287.1	37.82	8.590	
5,996.3	5,943.1	6,009.4	5,941.2	18.9	19.7	92.53	92.53	732.5	302.0	325.1	287.1	37.98	8.557	
6,000.0	5,946.8	6,013.0	5,944.7	18.9	19.7	-88.27	-88.27	731.8	302.0	325.1	287.0	38.03	8.547	
6,050.0	5,996.7	6,060.6	5,990.8	18.9	19.7	-86.55	-86.55	719.8	301.8	325.5	287.5	38.06	8.553	
6,100.0	6,046.2	6,107.4	6,034.8	18.9	19.6	-84.88	-84.88	703.9	301.6	326.3	288.3	37.97	8.592	
6,150.0	6,094.6	6,153.5	6,076.6	18.8	19.4	-83.26	-83.26	684.4	301.3	327.3	289.5	37.78	8.663	
6,200.0	6,141.7	6,200.0	6,116.8	18.7	19.2	-81.69	-81.69	661.2	300.9	328.5	291.0	37.47	8.765	
6,250.0	6,186.9	6,243.6	6,152.5	18.6	19.1	-80.26	-80.26	636.1	300.5	329.8	292.7	37.08	8.894	
6,300.0	6,229.9	6,287.9	6,186.5	18.4	18.8	-78.90	-78.90	607.8	300.0	331.3	294.7	36.61	9.050	
6,350.0	6,270.3	6,331.6	6,217.6	18.2	18.6	-77.64	-77.64	577.1	299.5	332.8	296.8	36.06	9.229	
6,400.0	6,307.6	6,374.8	6,245.7	17.9	18.4	-76.49	-76.49	544.2	299.0	334.4	298.9	35.47	9.427	
6,450.0	6,341.6	6,417.7	6,270.8	17.7	18.2	-75.46	-75.46	509.5	298.4	335.9	301.0	34.85	9.638	
6,500.0	6,371.9	6,460.3	6,292.7	17.4	17.9	-74.55	-74.55	473.1	297.8	337.3	303.1	34.22	9.856	
6,550.0	6,398.3	6,500.0	6,310.5	17.2	17.7	-73.80	-73.80	437.5	297.3	338.6	305.0	33.63	10.068	
6,600.0	6,420.5	6,544.5	6,327.1	17.0	17.5	-73.10	-73.10	396.3	296.6	339.7	306.7	33.06	10.276	
6,650.0	6,438.2	6,586.3	6,339.5	16.8	17.3	-72.58	-72.58	356.3	296.0	340.7	308.1	32.57	10.459	
6,700.0	6,451.5	6,628.0	6,348.6	16.6	17.1	-72.18	-72.18	315.7	295.3	341.4	309.2	32.18	10.610	
6,750.0	6,460.0	6,669.6	6,354.4	16.5	16.9	-71.92	-71.92	274.5	294.6	341.9	310.0	31.89	10.721	
6,800.0	6,463.8	6,711.1	6,356.9	16.4	16.8	-71.79	-71.79	233.1	294.0	342.2	310.4	31.72	10.788	
6,814.5	6,464.0	6,723.4	6,357.0	16.4	16.8	-71.78	-71.78	220.9	293.8	342.2	310.5	31.69	10.797	
6,900.0	6,464.0	6,808.9	6,357.0	16.4	16.6	-71.78	-71.78	135.3	292.4	342.2	310.5	31.72	10.787	
6,914.5	6,464.0	6,823.4	6,357.0	16.4	16.6	-71.78	-71.78	120.9	292.2	342.2	310.5	31.76	10.775	
6,914.5	6,464.0	6,823.4	6,357.0	16.4	16.6	-71.78	-71.78	120.9	292.2	342.2	310.5	31.76	10.775	
6,914.5	6,464.0	6,823.4	6,357.0	16.4	16.6	-71.78	-71.78	120.9	292.2	342.2	310.5	31.76	10.775	
7,000.0	6,464.0	6,908.9	6,357.0	16.6	16.6	-71.78	-71.78	35.4	290.8	342.2	310.1	32.16	10.641	
7,100.0	6,464.0	7,008.9	6,357.0	17.0	16.9	-71.78	-71.78	-64.6	289.2	342.3	309.3	32.99	10.374	
7,200.0	6,464.0	7,108.9	6,357.0	17.7	17.5	-71.78	-71.78	-164.6	287.5	342.3	308.1	34.20	10.007	
7,300.0	6,464.0	7,208.9	6,357.0	18.5	18.3	-71.78	-71.78	-264.6	285.9	342.3	306.5	35.75	9.575	
7,400.0	6,464.0	7,308.9	6,357.0	19.4	19.2	-71.79	-71.79	-364.6	284.3	342.3	304.7	37.59	9.107	
7,500.0	6,464.0	7,408.9	6,357.0	20.5	20.3	-71.79	-71.79	-464.6	282.7	342.3	302.7	39.68	8.626	
7,600.0	6,464.0	7,508.9	6,357.0	21.7	21.5	-71.79	-71.79	-564.6	281.1	342.4	300.4	42.00	8.152	
7,700.0	6,464.0	7,608.9	6,357.0	23.1	22.8	-71.79	-71.79	-664.6	279.5	342.4	297.9	44.49	7.695	
7,800.0	6,464.0	7,708.9	6,357.0	24.4	24.2	-71.79	-71.79	-764.5	277.9	342.4	295.3	47.14	7.263	
7,900.0	6,464.0	7,808.9	6,357.0	25.9	25.7	-71.79	-71.79	-864.5	276.2	342.4	292.5	49.92	6.859	
8,000.0	6,464.0	7,908.9	6,357.0	27.4	27.2	-71.79	-71.79	-964.5	274.6	342.4	289.6	52.81	6.485	
8,100.0	6,464.0	8,008.9	6,357.0	29.0	28.7	-71.79	-71.79	-1,064.5	273.0	342.5	286.7	55.79	6.139	
8,200.0	6,464.0	8,108.9	6,357.0	30.6	30.3	-71.79	-71.79	-1,164.5	271.4	342.5	283.6	58.84	5.820	
8,300.0	6,464.0	8,208.9	6,357.0	32.2	32.0	-71.80	-71.80	-1,264.5	269.8	342.5	280.5	61.97	5.527	
8,400.0	6,464.0	8,308.9	6,357.0	33.9	33.6	-71.80	-71.80	-1,364.5	268.2	342.5	277.4	65.15	5.258	

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 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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 (ft)	Offset (ft)	Semi Major Axis (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	Warning
8,500.0	6,464.0	8,408.9	6,357.0	35.6	35.3	-71.80	-1,464.5	266.6	342.5	274.2	68.38	5.009		
8,600.0	6,464.0	8,508.9	6,357.0	37.3	37.0	-71.80	-1,564.4	264.9	342.6	270.9	71.65	4.781		
8,700.0	6,464.0	8,608.9	6,357.0	39.0	38.7	-71.80	-1,664.4	263.3	342.6	267.6	74.96	4.570		
8,800.0	6,464.0	8,708.9	6,357.0	40.8	40.5	-71.80	-1,764.4	261.7	342.6	264.3	78.30	4.375		
8,900.0	6,464.0	8,808.9	6,357.0	42.5	42.2	-71.80	-1,864.4	260.1	342.6	261.0	81.67	4.195		
9,000.0	6,464.0	8,908.9	6,357.0	44.3	44.0	-71.80	-1,964.4	258.5	342.6	257.6	85.07	4.028		
9,100.0	6,464.0	9,008.9	6,357.0	46.1	45.8	-71.80	-2,064.4	256.9	342.7	254.2	88.48	3.873		
9,200.0	6,464.0	9,108.9	6,357.0	47.9	47.6	-71.81	-2,164.4	255.3	342.7	250.8	91.92	3.728		
9,300.0	6,464.0	9,208.9	6,357.0	49.7	49.4	-71.81	-2,264.3	253.6	342.7	247.3	95.37	3.593		
9,400.0	6,464.0	9,308.9	6,357.0	51.5	51.2	-71.81	-2,364.3	252.0	342.7	243.9	98.84	3.468		
9,500.0	6,464.0	9,408.9	6,357.0	53.3	53.0	-71.81	-2,464.3	250.4	342.8	240.4	102.32	3.350		
9,600.0	6,464.0	9,508.9	6,357.0	55.1	54.8	-71.81	-2,564.3	248.8	342.8	237.0	105.82	3.239		
9,700.0	6,464.0	9,608.9	6,357.0	57.0	56.6	-71.81	-2,664.3	247.2	342.8	233.5	109.33	3.136		
9,800.0	6,464.0	9,708.9	6,357.0	58.8	58.5	-71.81	-2,764.3	245.6	342.8	230.0	112.85	3.038		
9,900.0	6,464.0	9,808.9	6,357.0	60.6	60.3	-71.81	-2,864.3	244.0	342.8	226.5	116.37	2.946		
10,000.0	6,464.0	9,908.9	6,357.0	62.5	62.2	-71.82	-2,964.3	242.3	342.9	223.0	119.91	2.859		
10,100.0	6,464.0	10,008.9	6,357.0	64.3	64.0	-71.82	-3,064.2	240.7	342.9	219.4	123.45	2.777		
10,200.0	6,464.0	10,108.9	6,357.0	66.2	65.9	-71.82	-3,164.2	239.1	342.9	215.9	127.00	2.700		
10,300.0	6,464.0	10,208.9	6,357.0	68.1	67.7	-71.82	-3,264.2	237.5	342.9	212.4	130.56	2.627		
10,400.0	6,464.0	10,308.9	6,357.0	69.9	69.6	-71.82	-3,364.2	235.9	342.9	208.8	134.12	2.557		
10,500.0	6,464.0	10,408.9	6,357.0	71.8	71.4	-71.82	-3,464.2	234.3	343.0	205.3	137.69	2.491		
10,600.0	6,464.0	10,508.9	6,357.0	73.6	73.3	-71.82	-3,564.2	232.7	343.0	201.7	141.27	2.428		
10,700.0	6,464.0	10,608.9	6,357.0	75.5	75.2	-71.82	-3,664.2	231.0	343.0	198.2	144.85	2.368		
10,800.0	6,464.0	10,708.9	6,357.0	77.4	77.0	-71.82	-3,764.2	229.4	343.0	194.6	148.43	2.311		
10,900.0	6,464.0	10,808.9	6,357.0	79.3	78.9	-71.83	-3,864.1	227.8	343.0	191.0	152.02	2.257		
10,961.7	6,464.0	10,870.6	6,357.0	80.4	80.1	-71.83	-3,925.8	226.8	343.1	188.8	154.23	2.224		
11,004.8	6,464.0	10,908.4	6,357.0	81.2	80.8	-71.83	-3,963.7	226.2	343.1	187.4	155.69	2.204 SF		

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
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-40.1	0.0	40.1					
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-40.1	0.0	40.1	39.9	0.22	178.347		
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-40.1	0.0	40.1	39.4	0.67	59.449	CC, ES	
300.0	300.0	300.0	300.0	0.6	0.6	-178.33	-40.1	0.0	41.8	40.7	1.13	36.959		
400.0	399.8	399.8	399.8	0.8	0.8	-178.51	-40.1	0.0	47.1	45.5	1.59	29.531		
500.0	499.5	499.5	499.5	1.0	1.0	-178.74	-40.1	0.0	55.8	53.7	2.06	27.140		
600.0	598.7	598.7	598.7	1.3	1.2	-178.96	-40.1	0.0	68.0	65.4	2.52	27.002		
618.3	616.8	617.2	617.2	1.4	1.3	-179.03	-40.0	0.0	70.5	67.9	2.60	27.111		
700.0	697.6	699.8	699.8	1.6	1.5	-179.94	-38.7	1.1	81.1	78.2	2.97	27.356		
800.0	796.6	801.5	801.3	2.0	1.7	177.87	-34.6	4.4	91.8	88.4	3.42	26.844		
900.0	895.5	903.5	902.9	2.3	1.9	174.69	-27.6	10.1	100.0	96.2	3.89	25.705		
1,000.0	994.5	1,005.5	1,004.1	2.6	2.2	170.55	-17.8	18.0	106.2	101.8	4.39	24.175		
1,100.0	1,093.4	1,107.3	1,104.6	3.0	2.5	165.39	-5.2	28.1	110.8	105.8	4.94	22.411		
1,200.0	1,192.3	1,208.6	1,204.0	3.3	2.8	159.16	10.1	40.4	114.4	108.8	5.57	20.555		
1,300.0	1,291.3	1,307.8	1,300.9	3.7	3.2	152.60	26.6	53.7	118.5	112.2	6.26	18.917		
1,400.0	1,390.2	1,406.8	1,397.6	4.0	3.6	146.55	43.0	66.9	124.0	117.0	7.01	17.689		
1,500.0	1,489.1	1,505.8	1,494.4	4.3	4.0	141.07	59.5	80.2	130.8	123.0	7.79	16.792		
1,600.0	1,588.1	1,604.8	1,591.1	4.7	4.4	136.15	75.9	93.4	138.6	130.1	8.58	16.151		
1,700.0	1,687.0	1,703.8	1,687.8	5.0	4.8	131.79	92.4	106.7	147.4	138.0	9.39	15.707		
1,800.0	1,785.9	1,802.8	1,784.6	5.4	5.3	127.93	108.9	120.0	157.0	146.8	10.19	15.408		
1,900.0	1,884.9	1,901.8	1,881.3	5.7	5.7	124.52	125.3	133.2	167.1	156.2	10.98	15.218		
2,000.0	1,983.8	2,000.9	1,978.0	6.1	6.1	121.51	141.8	146.5	177.8	166.1	11.77	15.106		
2,100.0	2,082.7	2,099.9	2,074.8	6.4	6.6	118.85	158.3	159.7	189.0	176.4	12.56	15.052		
2,200.0	2,181.7	2,198.9	2,171.5	6.8	7.0	116.48	174.7	173.0	200.5	187.1	13.33	15.040		
2,300.0	2,280.6	2,297.9	2,268.2	7.1	7.4	114.38	191.2	186.2	212.3	198.2	14.10	15.058		
2,400.0	2,379.6	2,396.9	2,365.0	7.5	7.9	112.49	207.6	199.5	224.3	209.5	14.86	15.098		
2,500.0	2,478.5	2,495.9	2,461.7	7.8	8.3	110.80	224.1	212.8	236.6	221.0	15.61	15.154		
2,600.0	2,577.4	2,594.9	2,558.4	8.1	8.8	109.28	240.6	226.0	249.0	232.7	16.36	15.221		
2,700.0	2,676.4	2,694.0	2,655.1	8.5	9.2	107.90	257.0	239.3	261.6	244.5	17.11	15.295		
2,800.0	2,775.3	2,793.0	2,751.9	8.8	9.7	106.64	273.5	252.5	274.4	256.5	17.85	15.374		
2,900.0	2,874.2	2,892.0	2,848.6	9.2	10.1	105.50	290.0	265.8	287.2	268.7	18.59	15.456		
3,000.0	2,973.2	2,991.0	2,945.3	9.5	10.6	104.46	306.4	279.0	300.2	280.9	19.32	15.539		
3,100.0	3,072.1	3,090.0	3,042.1	9.9	11.0	103.50	322.9	292.3	313.3	293.2	20.05	15.623		
3,200.0	3,171.0	3,189.0	3,138.8	10.2	11.5	102.63	339.3	305.6	326.4	305.6	20.78	15.707		
3,300.0	3,270.0	3,288.0	3,235.5	10.6	11.9	101.81	355.8	318.8	339.6	318.1	21.51	15.789		
3,400.0	3,368.9	3,387.1	3,332.3	10.9	12.4	101.06	372.3	332.1	352.9	330.6	22.23	15.871		
3,500.0	3,467.8	3,486.1	3,429.0	11.3	12.8	100.37	388.7	345.3	366.2	343.2	22.96	15.951		
3,600.0	3,566.8	3,585.1	3,525.7	11.6	13.3	99.72	405.2	358.6	379.6	355.9	23.68	16.029		
3,700.0	3,665.7	3,684.1	3,622.5	12.0	13.7	99.11	421.7	371.9	393.0	368.6	24.40	16.105		
3,800.0	3,764.7	3,783.1	3,719.2	12.3	14.2	98.55	438.1	385.1	406.4	381.3	25.12	16.179		
3,900.0	3,863.6	3,882.1	3,815.9	12.7	14.6	98.02	454.6	398.4	419.9	394.1	25.84	16.251		
4,000.0	3,962.5	3,981.1	3,912.7	13.0	15.1	97.53	471.1	411.6	433.4	406.9	26.56	16.321		
4,100.0	4,061.5	4,080.1	4,009.4	13.4	15.5	97.06	487.5	424.9	447.0	419.7	27.27	16.389		
4,200.0	4,160.4	4,179.2	4,106.1	13.7	16.0	96.63	504.0	438.1	460.6	432.6	27.99	16.455		
4,300.0	4,259.3	4,278.2	4,202.8	14.1	16.4	96.21	520.4	451.4	474.2	445.5	28.71	16.518		
4,400.0	4,358.3	4,377.2	4,299.6	14.4	16.9	95.82	536.9	464.7	487.8	458.4	29.42	16.580		
4,500.0	4,457.2	4,476.2	4,396.3	14.8	17.3	95.46	553.4	477.9	501.5	471.3	30.14	16.640		
4,600.0	4,556.1	4,575.2	4,493.0	15.1	17.8	95.11	569.8	491.2	515.1	484.3	30.85	16.698		
4,700.0	4,655.1	4,674.2	4,589.8	15.4	18.2	94.78	586.3	504.4	528.8	497.2	31.56	16.754		
4,800.0	4,754.0	4,773.2	4,686.5	15.8	18.7	94.46	602.8	517.7	542.5	510.2	32.28	16.809		
4,900.0	4,852.9	4,872.3	4,783.2	16.1	19.1	94.16	619.2	530.9	556.2	523.2	32.99	16.861		

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
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	4,951.9	4,971.3	4,880.0	16.5	19.6	93.88	635.7	544.2	570.0	536.3	33.70	16.912		
5,100.0	5,050.8	5,070.3	4,976.7	16.8	20.0	93.61	652.1	557.5	583.7	549.3	34.41	16.962		
5,200.0	5,149.8	5,169.3	5,073.4	17.2	20.5	93.35	668.6	570.7	597.5	562.3	35.12	17.010		
5,300.0	5,248.7	5,268.3	5,170.2	17.5	20.9	93.10	685.1	584.0	611.2	575.4	35.84	17.056		
5,334.8	5,283.2	5,305.2	5,206.2	17.7	21.1	93.02	691.2	588.9	616.0	579.9	36.08	17.072		
5,400.0	5,347.7	5,379.5	5,279.1	17.9	21.3	93.03	702.4	597.9	624.2	587.7	36.50	17.099		
5,500.0	5,447.2	5,494.2	5,392.3	18.1	21.7	93.00	716.9	609.6	634.6	597.6	37.05	17.129		
5,600.0	5,546.9	5,609.5	5,506.7	18.3	22.0	92.88	727.9	618.5	642.5	605.0	37.50	17.130		
5,700.0	5,646.8	5,725.3	5,622.1	18.4	22.2	92.68	735.3	624.4	647.7	609.8	37.87	17.104		
5,753.2	5,700.0	5,787.0	5,683.8	18.5	22.3	90.81	737.8	626.4	649.4	611.5	37.91	17.130		
5,800.0	5,746.8	5,841.5	5,738.2	18.6	22.4	90.69	739.1	627.5	650.3	612.2	38.04	17.096		
5,900.0	5,846.8	5,950.2	5,846.8	18.7	22.5	90.64	739.6	627.9	650.6	612.3	38.32	16.978		
5,996.3	5,943.1	6,046.5	5,943.1	18.9	22.6	90.64	739.6	627.9	650.6	612.0	38.59	16.859		
6,000.0	5,946.8	6,050.2	5,946.9	18.9	22.6	-90.30	739.6	627.9	650.6	611.9	38.72	16.805		
6,050.0	5,996.7	6,100.5	5,997.1	18.9	22.7	-90.29	736.8	627.9	650.6	611.9	38.78	16.777		
6,100.0	6,046.2	6,150.8	6,046.8	18.9	22.6	-90.29	729.2	627.7	650.6	611.9	38.74	16.795		
6,150.0	6,094.6	6,201.1	6,095.5	18.8	22.6	-90.28	716.8	627.5	650.6	612.0	38.60	16.856		
6,200.0	6,141.7	6,251.4	6,142.9	18.7	22.5	-90.27	699.8	627.2	650.6	612.3	38.37	16.958		
6,250.0	6,186.9	6,301.7	6,188.3	18.6	22.3	-90.26	678.3	626.9	650.6	612.6	38.05	17.099		
6,300.0	6,229.9	6,352.0	6,231.5	18.4	22.1	-90.25	652.5	626.5	650.6	613.0	37.66	17.276		
6,350.0	6,270.3	6,402.3	6,271.9	18.2	21.9	-90.23	622.8	626.0	650.6	613.4	37.21	17.484		
6,400.0	6,307.6	6,452.5	6,309.3	17.9	21.7	-90.21	589.2	625.4	650.6	613.9	36.72	17.718		
6,450.0	6,341.6	6,502.7	6,343.2	17.7	21.4	-90.19	552.3	624.8	650.6	614.4	36.21	17.971		
6,500.0	6,371.9	6,552.9	6,373.5	17.4	21.2	-90.17	512.2	624.2	650.6	615.0	35.68	18.236		
6,550.0	6,398.3	6,603.1	6,399.7	17.2	20.9	-90.14	469.5	623.5	650.6	615.5	35.16	18.504		
6,600.0	6,420.5	6,653.2	6,421.7	17.0	20.6	-90.12	424.4	622.8	650.6	616.0	34.68	18.763		
6,650.0	6,438.2	6,703.3	6,439.2	16.8	20.3	-90.09	377.5	622.0	650.6	616.4	34.24	19.004		
6,700.0	6,451.5	6,753.4	6,452.2	16.6	20.0	-90.06	329.2	621.2	650.6	616.8	33.86	19.215		
6,750.0	6,460.0	6,803.5	6,460.4	16.5	19.8	-90.04	279.8	620.4	650.6	617.1	33.56	19.387		
6,800.0	6,463.8	6,853.5	6,463.9	16.4	19.5	-90.01	229.9	619.6	650.7	617.3	33.35	19.511		
6,814.5	6,464.0	6,868.0	6,464.0	16.4	19.5	-90.00	215.5	619.3	650.7	617.3	33.30	19.537		
6,914.5	6,464.0	6,968.0	6,464.0	16.4	19.0	-90.00	115.5	617.7	650.7	617.4	33.24	19.573		
6,914.5	6,464.0	6,968.0	6,464.0	16.4	19.0	-90.00	115.5	617.7	650.7	617.4	33.24	19.573		
6,914.5	6,464.0	6,968.0	6,464.0	16.4	19.0	-90.00	115.5	617.7	650.7	617.4	33.24	19.573		
7,000.0	6,464.0	7,053.5	6,464.0	16.6	18.7	-90.00	30.0	616.3	650.7	617.1	33.56	19.387		
7,100.0	6,464.0	7,153.5	6,464.0	17.0	18.4	-90.00	-70.0	614.7	650.7	616.4	34.30	18.969		
7,200.0	6,464.0	7,253.5	6,464.0	17.7	18.3	-90.00	-170.0	613.0	650.7	615.2	35.45	18.356		
7,300.0	6,464.0	7,353.5	6,464.0	18.5	19.0	-90.00	-270.0	611.4	650.7	613.7	36.95	17.611		
7,400.0	6,464.0	7,453.5	6,464.0	19.4	20.0	-90.00	-370.0	609.8	650.7	611.9	38.77	16.782		
7,500.0	6,464.0	7,553.5	6,464.0	20.5	21.1	-90.00	-470.0	608.1	650.7	609.8	40.87	15.919		
7,600.0	6,464.0	7,653.5	6,464.0	21.7	22.3	-90.00	-569.9	606.5	650.7	607.5	43.22	15.057		
7,700.0	6,464.0	7,753.5	6,464.0	23.1	23.5	-90.00	-669.9	604.9	650.7	604.9	45.76	14.220		
7,800.0	6,464.0	7,853.5	6,464.0	24.4	24.9	-90.00	-769.9	603.3	650.7	602.2	48.47	13.425		
7,900.0	6,464.0	7,953.5	6,464.0	25.9	26.3	-90.00	-869.9	601.6	650.7	599.4	51.33	12.678		
8,000.0	6,464.0	8,053.5	6,464.0	27.4	27.8	-90.00	-969.9	600.0	650.7	596.4	54.30	11.983		
8,100.0	6,464.0	8,153.5	6,464.0	29.0	29.3	-90.00	-1,069.9	598.4	650.7	593.3	57.38	11.340		
8,200.0	6,464.0	8,253.5	6,464.0	30.6	30.8	-90.00	-1,169.9	596.7	650.7	590.2	60.54	10.748		
8,300.0	6,464.0	8,353.5	6,464.0	32.2	32.4	-90.00	-1,269.9	595.1	650.7	586.9	63.78	10.202		
8,400.0	6,464.0	8,453.5	6,464.0	33.9	34.0	-90.00	-1,369.8	593.5	650.7	583.6	67.08	9.701		
8,500.0	6,464.0	8,553.5	6,464.0	35.6	35.7	-90.00	-1,469.8	591.8	650.7	580.3	70.43	9.239		
8,600.0	6,464.0	8,653.5	6,464.0	37.3	37.4	-90.00	-1,569.8	590.2	650.7	576.9	73.83	8.813		

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (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	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	
8,700.0	6,464.0	8,753.5	6,464.0	39.0	39.1	-90.00	-1,669.8	588.6	650.7	573.4	77.28	8.421		
8,800.0	6,464.0	8,853.5	6,464.0	40.8	40.8	-90.00	-1,769.8	586.9	650.7	570.0	80.75	8.058		
8,900.0	6,464.0	8,953.5	6,464.0	42.5	42.5	-90.00	-1,869.8	585.3	650.7	566.5	84.26	7.723		
9,000.0	6,464.0	9,053.5	6,464.0	44.3	44.2	-90.00	-1,969.8	583.7	650.7	562.9	87.79	7.412		
9,100.0	6,464.0	9,153.5	6,464.0	46.1	46.0	-90.00	-2,069.7	582.0	650.7	559.4	91.35	7.124		
9,200.0	6,464.0	9,253.5	6,464.0	47.9	47.7	-90.00	-2,169.7	580.4	650.7	555.8	94.93	6.855		
9,300.0	6,464.0	9,353.5	6,464.0	49.7	49.5	-90.00	-2,269.7	578.8	650.7	552.2	98.53	6.605		
9,400.0	6,464.0	9,453.5	6,464.0	51.5	51.3	-90.00	-2,369.7	577.1	650.8	548.6	102.14	6.371		
9,500.0	6,464.0	9,553.5	6,464.0	53.3	53.1	-90.00	-2,469.7	575.5	650.8	545.0	105.77	6.152		
9,600.0	6,464.0	9,653.5	6,464.0	55.1	54.9	-90.00	-2,569.7	573.9	650.8	541.3	109.42	5.947		
9,700.0	6,464.0	9,753.5	6,464.0	57.0	56.7	-90.00	-2,669.7	572.2	650.8	537.7	113.07	5.755		
9,800.0	6,464.0	9,853.5	6,464.0	58.8	58.5	-90.00	-2,769.7	570.6	650.8	534.0	116.74	5.574		
9,900.0	6,464.0	9,953.5	6,464.0	60.6	60.4	-90.00	-2,869.6	569.0	650.8	530.3	120.42	5.404		
10,000.0	6,464.0	10,053.5	6,464.0	62.5	62.2	-90.00	-2,969.6	567.3	650.8	526.7	124.11	5.244		
10,100.0	6,464.0	10,153.5	6,464.0	64.3	64.0	-90.00	-3,069.6	565.7	650.8	523.0	127.80	5.092		
10,200.0	6,464.0	10,253.5	6,464.0	66.2	65.8	-90.00	-3,169.6	564.1	650.8	519.3	131.51	4.949		
10,300.0	6,464.0	10,353.5	6,464.0	68.1	67.7	-90.00	-3,269.6	562.4	650.8	515.6	135.22	4.813		
10,400.0	6,464.0	10,453.5	6,464.0	69.9	69.5	-90.00	-3,369.6	560.8	650.8	511.9	138.94	4.684		
10,500.0	6,464.0	10,553.5	6,464.0	71.8	71.4	-90.00	-3,469.6	559.2	650.8	508.1	142.66	4.562		
10,600.0	6,464.0	10,653.5	6,464.0	73.6	73.2	-90.00	-3,569.5	557.5	650.8	504.4	146.39	4.446		
10,700.0	6,464.0	10,753.5	6,464.0	75.5	75.1	-90.00	-3,669.5	555.9	650.8	500.7	150.12	4.335		
10,800.0	6,464.0	10,853.5	6,464.0	77.4	76.9	-90.00	-3,769.5	554.3	650.8	496.9	153.86	4.230		
10,900.0	6,464.0	10,953.5	6,464.0	79.3	78.8	-90.00	-3,869.5	552.6	650.8	493.2	157.60	4.129		
10,960.2	6,464.0	11,013.7	6,464.0	80.4	79.9	-90.00	-3,929.7	551.7	650.8	490.9	159.86	4.071		
11,004.8	6,464.0	11,047.7	6,464.0	81.2	80.6	-90.00	-3,963.7	551.1	650.9	489.6	161.33	4.035 SF		

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well State North Platte 41-44-26HNC
Project:	SEC.26-T5N-R63W	TVD Reference:	WELL @ 4578.0ft (RKB - 15')
Reference Site:	State North Platte 41-26 Pad Sec.26-T5N-R63W	MD Reference:	WELL @ 4578.0ft (RKB - 15')
Site Error:	0.0ft	North Reference:	True
Reference Well:	State North Platte 41-44-26HNC	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 #4 (8-29-13)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4578.0ft (RKB - 15')

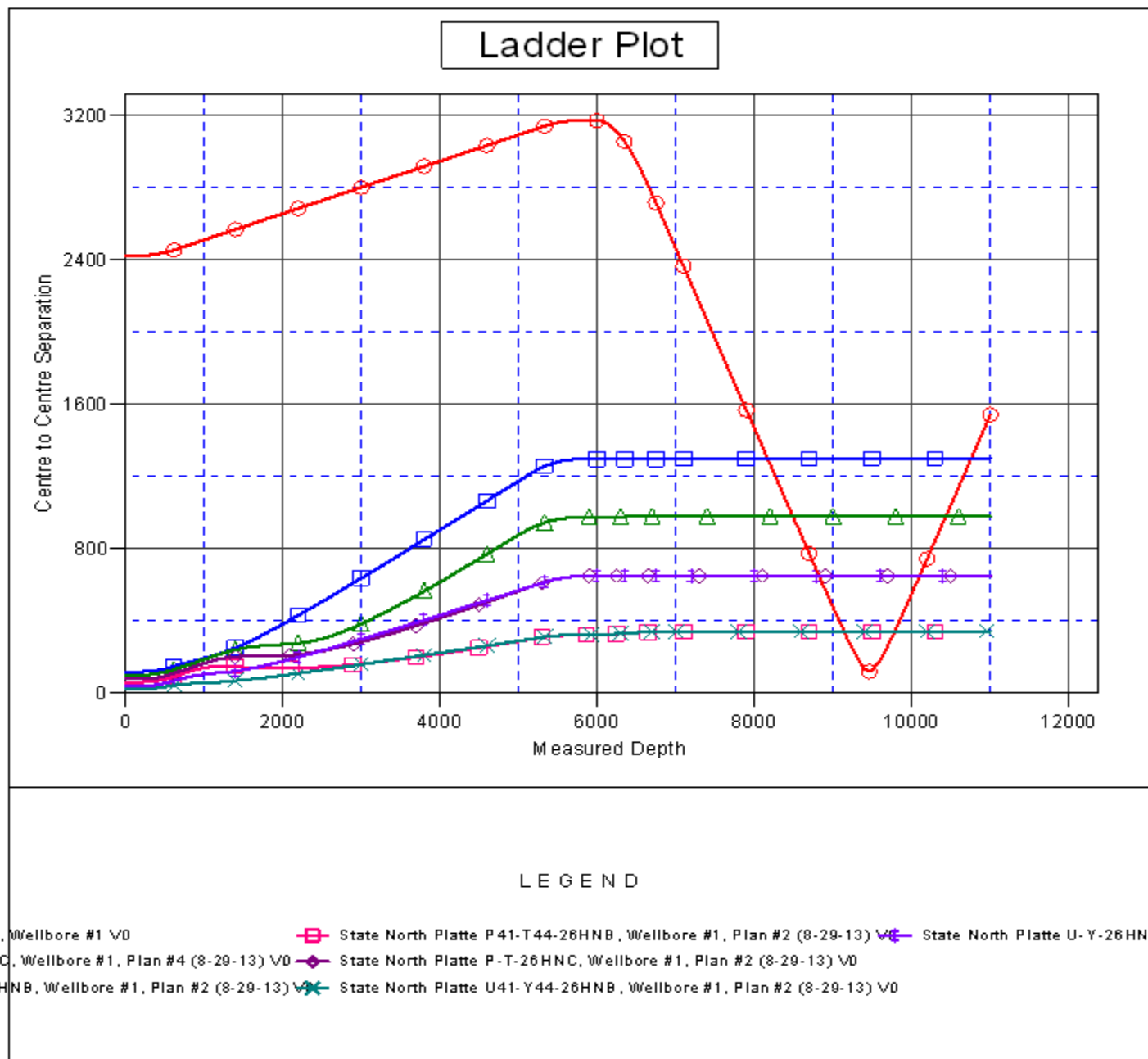
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: State North Platte 41-44-26HNC

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.71°



Coordinates are relative to: State North Platte 41-44-26HNC
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.71°

