

# BONANZA CREEK ENERGY OPERATING

Well Name: **State North Platte O24-K21-26HNB**

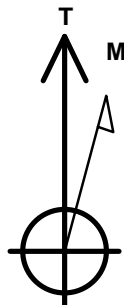
Surface Location: State North Platte 24-21-26HNB Sec.26-T5N-R63W  
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4551.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1377552.39	3305752.88	40.364590	-104.402730	
RKB-15' WELL @ 4566.0ft (RKB-15')						

## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 519'FSL & 2462'FEL	1.0	0.0	0.0	Point
BHL 470'FNL & 2285'FWL	6334.0	4218.7	-420.7	Point
LANDING PT. 531'FSL & 2293'FWL	6334.0	11.0	-470.9	Point



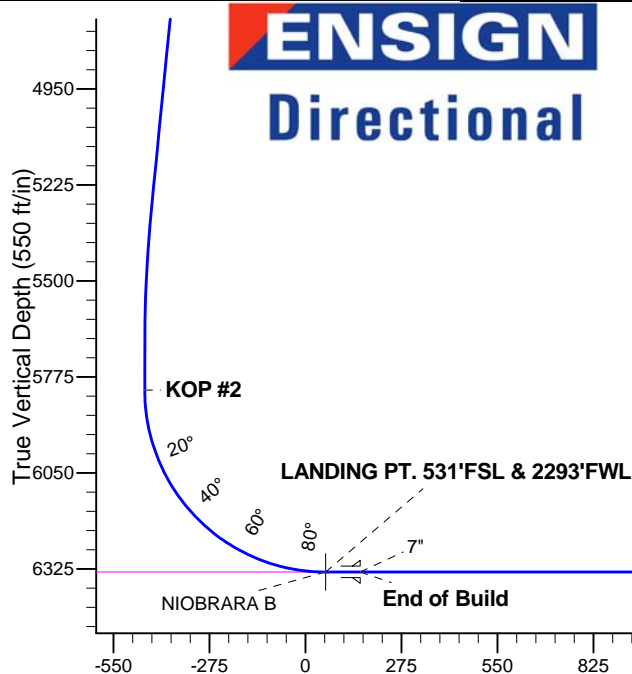
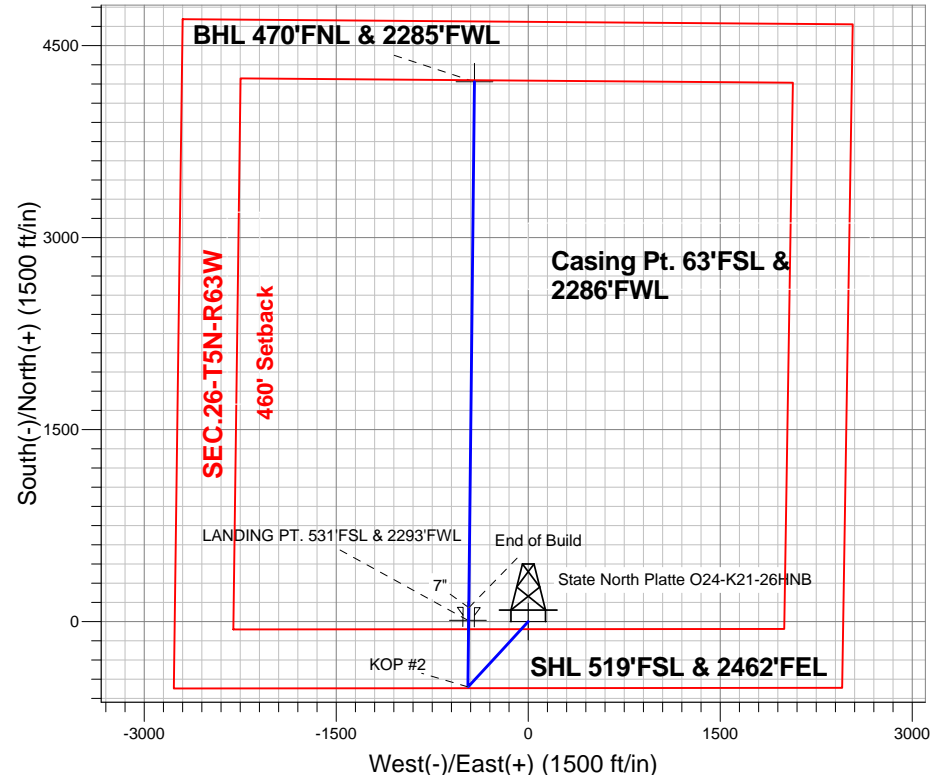
Azimuths to True North  
Magnetic North: 8.39°

Magnetic Field  
Strength: 52934.9snT  
Dip Angle: 67.01°  
Date: 7/10/2013  
Model: IGRF2010

State North Platte 24-21-26HNB Sec.26-T5N-R63W  
State North Platte O24-K21-26HNB  
Plan #2 (7-10-13)  
9:34, July 11 2013

## ANNOTATIONS

TVD	MD	Annotation
600.0	600.0	KOP #1
5813.1	5862.8	KOP #2
6334.0	6781.0	End of Build



## 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	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1022.1	8.44	222.72	1020.6	-22.8	-21.1	2.00	222.72	-20.6	
4	5327.6	8.44	222.72	5279.4	-487.2	-449.8	0.00	0.00	-440.2	
5	5749.7	0.00	0.00	5700.0	-510.0	-470.9	2.00	180.00	-460.8	
6	5862.8	0.00	0.00	5813.1	-510.0	-470.9	0.00	0.00	-460.8	
7	6681.0	90.00	0.61	6334.0	10.8	-465.4	11.00	0.61	57.0	
8	6781.0	90.00	0.61	6334.0	110.8	-464.3	0.00	0.00	156.4	
9	6781.0	90.00	0.61	6334.0	110.8	-464.3	11.00	180.00	156.4	
10	10889.1	90.00	0.61	6334.0	4218.7	-420.7	0.00	0.00	4239.7	BHL 470'FNL & 2285'FWL

Vertical Section at 354.30° (550 ft/in)



# **BONANZA CREEK ENERGY OPERATING**

**SEC.26-T5N-R63W**

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

**State North Platte O24-K21-26HNB**

**Wellbore #1**

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

## **Standard Planning Report**

**11 July, 2013**

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well State North Platte O24-K21-26HNB
<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>TVD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Project:</b>	SEC.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Site:</b>	State North Platte 24-21-26HNB Sec.26-T5N-R63W	<b>North Reference:</b>	True
<b>Well:</b>	State North Platte O24-K21-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #2 (7-10-13)		

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

Site						State North Platte 24-21-26HNB Sec.26-T5N-R63W											
Site Position:						Northing:			1,377,512.35 ft			Latitude:			40.364480		
From:			Lat/Long			Easting:			3,305,753.37 ft			Longitude:			-104.402730		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.71 °		

Well	State North Platte O24-K21-26HNB					
Well Position	+N/-S	40.0 ft	Northing:	1,377,552.39 ft	Latitude:	40.364590
	+E/-W	0.0 ft	Easting:	3,305,752.88 ft	Longitude:	-104.402730
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,551.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	7/10/2013	8.39	67.01	52,935

<b>Design</b>	Plan #2 (7-10-13)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	354.30

<b>Plan Sections</b>										
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	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,022.1	8.44	222.72	1,020.6	-22.8	-21.1	2.00	2.00	0.00	222.72	
5,327.6	8.44	222.72	5,279.4	-487.2	-449.8	0.00	0.00	0.00	0.00	
5,749.7	0.00	0.00	5,700.0	-510.0	-470.9	2.00	-2.00	0.00	180.00	
5,862.8	0.00	0.00	5,813.1	-510.0	-470.9	0.00	0.00	0.00	0.00	
6,681.0	90.00	0.61	6,334.0	10.8	-465.4	11.00	11.00	0.00	0.61	
6,781.0	90.00	0.61	6,334.0	110.8	-464.3	0.00	0.00	0.00	0.00	
6,781.0	90.00	0.61	6,334.0	110.8	-464.3	11.00	11.00	0.00	180.00	
10,889.1	90.00	0.61	6,334.0	4,218.7	-420.7	0.00	0.00	0.00	0.00	BHL 470'FNL & 22°

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well State North Platte O24-K21-26HNB
<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>TVD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Project:</b>	SEC.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Site:</b>	State North Platte 24-21-26HNB	<b>North Reference:</b>	True
<b>Well:</b>	Sec.26-T5N-R63W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	State North Platte O24-K21-26HNB		
<b>Design:</b>	Wellbore #1		
	Plan #2 (7-10-13)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>SHL 519'FSL &amp; 2462'FEL</b>									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>KOP #1</b>									
700.0	2.00	222.72	700.0	-1.3	-1.2	-1.2	2.00	2.00	0.00
800.0	4.00	222.72	799.8	-5.1	-4.7	-4.6	2.00	2.00	0.00
900.0	6.00	222.72	899.5	-11.5	-10.6	-10.4	2.00	2.00	0.00
1,000.0	8.00	222.72	998.7	-20.5	-18.9	-18.5	2.00	2.00	0.00
1,022.1	8.44	222.72	1,020.6	-22.8	-21.1	-20.6	2.00	2.00	0.00
1,100.0	8.44	222.72	1,097.6	-31.2	-28.8	-28.2	0.00	0.00	0.00
1,200.0	8.44	222.72	1,196.5	-42.0	-38.8	-37.9	0.00	0.00	0.00
1,300.0	8.44	222.72	1,295.5	-52.8	-48.7	-47.7	0.00	0.00	0.00
1,400.0	8.44	222.72	1,394.4	-63.6	-58.7	-57.4	0.00	0.00	0.00
1,500.0	8.44	222.72	1,493.3	-74.4	-68.7	-67.2	0.00	0.00	0.00
1,600.0	8.44	222.72	1,592.2	-85.1	-78.6	-76.9	0.00	0.00	0.00
1,700.0	8.44	222.72	1,691.1	-95.9	-88.6	-86.7	0.00	0.00	0.00
1,800.0	8.44	222.72	1,790.0	-106.7	-98.5	-96.4	0.00	0.00	0.00
1,900.0	8.44	222.72	1,889.0	-117.5	-108.5	-106.1	0.00	0.00	0.00
2,000.0	8.44	222.72	1,987.9	-128.3	-118.4	-115.9	0.00	0.00	0.00
2,100.0	8.44	222.72	2,086.8	-139.1	-128.4	-125.6	0.00	0.00	0.00
2,200.0	8.44	222.72	2,185.7	-149.9	-138.4	-135.4	0.00	0.00	0.00
2,300.0	8.44	222.72	2,284.6	-160.6	-148.3	-145.1	0.00	0.00	0.00
2,400.0	8.44	222.72	2,383.5	-171.4	-158.3	-154.9	0.00	0.00	0.00
2,500.0	8.44	222.72	2,482.5	-182.2	-168.2	-164.6	0.00	0.00	0.00
2,600.0	8.44	222.72	2,581.4	-193.0	-178.2	-174.4	0.00	0.00	0.00
2,700.0	8.44	222.72	2,680.3	-203.8	-188.2	-184.1	0.00	0.00	0.00
2,800.0	8.44	222.72	2,779.2	-214.6	-198.1	-193.8	0.00	0.00	0.00
2,900.0	8.44	222.72	2,878.1	-225.4	-208.1	-203.6	0.00	0.00	0.00
3,000.0	8.44	222.72	2,977.0	-236.1	-218.0	-213.3	0.00	0.00	0.00
3,100.0	8.44	222.72	3,076.0	-246.9	-228.0	-223.1	0.00	0.00	0.00
3,200.0	8.44	222.72	3,174.9	-257.7	-238.0	-232.8	0.00	0.00	0.00
3,300.0	8.44	222.72	3,273.8	-268.5	-247.9	-242.6	0.00	0.00	0.00
3,400.0	8.44	222.72	3,372.7	-279.3	-257.9	-252.3	0.00	0.00	0.00
3,500.0	8.44	222.72	3,471.6	-290.1	-267.8	-262.1	0.00	0.00	0.00
3,600.0	8.44	222.72	3,570.5	-300.9	-277.8	-271.8	0.00	0.00	0.00
3,700.0	8.44	222.72	3,669.5	-311.6	-287.7	-281.5	0.00	0.00	0.00
3,800.0	8.44	222.72	3,768.4	-322.4	-297.7	-291.3	0.00	0.00	0.00
3,900.0	8.44	222.72	3,867.3	-333.2	-307.7	-301.0	0.00	0.00	0.00
4,000.0	8.44	222.72	3,966.2	-344.0	-317.6	-310.8	0.00	0.00	0.00
4,100.0	8.44	222.72	4,065.1	-354.8	-327.6	-320.5	0.00	0.00	0.00
4,200.0	8.44	222.72	4,164.0	-365.6	-337.5	-330.3	0.00	0.00	0.00
4,300.0	8.44	222.72	4,263.0	-376.4	-347.5	-340.0	0.00	0.00	0.00
4,400.0	8.44	222.72	4,361.9	-387.1	-357.5	-349.8	0.00	0.00	0.00
4,500.0	8.44	222.72	4,460.8	-397.9	-367.4	-359.5	0.00	0.00	0.00
4,600.0	8.44	222.72	4,559.7	-408.7	-377.4	-369.2	0.00	0.00	0.00
4,700.0	8.44	222.72	4,658.6	-419.5	-387.3	-379.0	0.00	0.00	0.00
4,800.0	8.44	222.72	4,757.5	-430.3	-397.3	-388.7	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well State North Platte O24-K21-26HNB
<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>TVD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Project:</b>	SEC.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Site:</b>	State North Platte 24-21-26HNB	<b>North Reference:</b>	True
<b>Well:</b>	State North Platte O24-K21-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #2 (7-10-13)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,900.0	8.44	222.72	4,856.5	-441.1	-407.3	-398.5	0.00	0.00	0.00
5,000.0	8.44	222.72	4,955.4	-451.9	-417.2	-408.2	0.00	0.00	0.00
5,100.0	8.44	222.72	5,054.3	-462.6	-427.2	-418.0	0.00	0.00	0.00
5,200.0	8.44	222.72	5,153.2	-473.4	-437.1	-427.7	0.00	0.00	0.00
5,300.0	8.44	222.72	5,252.1	-484.2	-447.1	-437.5	0.00	0.00	0.00
5,327.6	8.44	222.72	5,279.4	-487.2	-449.8	-440.2	0.00	0.00	0.00
5,400.0	6.99	222.72	5,351.2	-494.3	-456.4	-446.6	2.00	-2.00	0.00
5,500.0	4.99	222.72	5,450.6	-502.0	-463.5	-453.5	2.00	-2.00	0.00
5,600.0	2.99	222.72	5,550.4	-507.1	-468.2	-458.2	2.00	-2.00	0.00
5,700.0	0.99	222.72	5,650.3	-509.7	-470.6	-460.5	2.00	-2.00	0.00
5,749.7	0.00	0.00	5,700.0	-510.0	-470.9	-460.8	2.00	-2.00	0.00
5,800.0	0.00	0.00	5,750.3	-510.0	-470.9	-460.8	0.00	0.00	0.00
5,862.8	0.00	0.00	5,813.1	-510.0	-470.9	-460.8	0.00	0.00	0.00
<b>KOP #2</b>									
5,900.0	4.09	0.61	5,850.3	-508.7	-470.9	-459.4	10.99	10.99	0.00
6,000.0	15.09	0.61	5,948.7	-492.0	-470.7	-442.9	11.00	11.00	0.00
6,100.0	26.09	0.61	6,042.2	-456.9	-470.3	-408.0	11.00	11.00	0.00
6,200.0	37.09	0.61	6,127.2	-404.6	-469.8	-356.0	11.00	11.00	0.00
6,300.0	48.09	0.61	6,200.8	-337.1	-469.1	-288.9	11.00	11.00	0.00
6,400.0	59.09	0.61	6,260.0	-256.7	-468.2	-209.0	11.00	11.00	0.00
6,500.0	70.09	0.61	6,302.9	-166.5	-467.3	-119.3	11.00	11.00	0.00
6,600.0	81.09	0.61	6,327.7	-69.8	-466.2	-23.2	11.00	11.00	0.00
6,681.0	90.00	0.61	6,334.0	10.8	-465.4	57.0	11.00	11.00	0.00
<b>NIOBRARA B</b>									
6,681.1	90.00	0.61	6,334.0	10.9	-465.4	57.0	0.00	0.00	0.00
<b>LANDING PT. 531'FSL &amp; 2293'FWL</b>									
6,700.0	90.00	0.61	6,334.0	29.8	-465.2	75.8	0.00	0.00	0.00
6,781.0	90.00	0.61	6,334.0	110.8	-464.3	156.4	0.00	0.00	0.00
<b>End of Build - 7"</b>									
6,800.0	90.00	0.61	6,334.0	129.8	-464.1	175.2	0.00	0.00	0.00
6,900.0	90.00	0.61	6,334.0	229.8	-463.0	274.6	0.00	0.00	0.00
7,000.0	90.00	0.61	6,334.0	329.8	-462.0	374.0	0.00	0.00	0.00
7,100.0	90.00	0.61	6,334.0	429.8	-460.9	473.4	0.00	0.00	0.00
7,200.0	90.00	0.61	6,334.0	529.8	-459.9	572.8	0.00	0.00	0.00
7,300.0	90.00	0.61	6,334.0	629.8	-458.8	672.2	0.00	0.00	0.00
7,400.0	90.00	0.61	6,334.0	729.8	-457.7	771.6	0.00	0.00	0.00
7,500.0	90.00	0.61	6,334.0	829.8	-456.7	871.0	0.00	0.00	0.00
7,600.0	90.00	0.61	6,334.0	929.8	-455.6	970.4	0.00	0.00	0.00
7,700.0	90.00	0.61	6,334.0	1,029.8	-454.6	1,069.8	0.00	0.00	0.00
7,800.0	90.00	0.61	6,334.0	1,129.8	-453.5	1,169.2	0.00	0.00	0.00
7,900.0	90.00	0.61	6,334.0	1,229.8	-452.4	1,268.6	0.00	0.00	0.00
8,000.0	90.00	0.61	6,334.0	1,329.8	-451.4	1,368.0	0.00	0.00	0.00
8,100.0	90.00	0.61	6,334.0	1,429.8	-450.3	1,467.4	0.00	0.00	0.00
8,200.0	90.00	0.61	6,334.0	1,529.7	-449.3	1,566.8	0.00	0.00	0.00
8,300.0	90.00	0.61	6,334.0	1,629.7	-448.2	1,666.2	0.00	0.00	0.00
8,400.0	90.00	0.61	6,334.0	1,729.7	-447.1	1,765.6	0.00	0.00	0.00
8,500.0	90.00	0.61	6,334.0	1,829.7	-446.1	1,865.0	0.00	0.00	0.00
8,600.0	90.00	0.61	6,334.0	1,929.7	-445.0	1,964.4	0.00	0.00	0.00
8,700.0	90.00	0.61	6,334.0	2,029.7	-443.9	2,063.8	0.00	0.00	0.00
8,800.0	90.00	0.61	6,334.0	2,129.7	-442.9	2,163.1	0.00	0.00	0.00
8,900.0	90.00	0.61	6,334.0	2,229.7	-441.8	2,262.5	0.00	0.00	0.00
9,000.0	90.00	0.61	6,334.0	2,329.7	-440.8	2,361.9	0.00	0.00	0.00
9,100.0	90.00	0.61	6,334.0	2,429.7	-439.7	2,461.3	0.00	0.00	0.00

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
9,200.0	90.00	0.61	6,334.0	2,529.7	-438.6	2,560.7	0.00	0.00	0.00	
9,300.0	90.00	0.61	6,334.0	2,629.7	-437.6	2,660.1	0.00	0.00	0.00	
9,400.0	90.00	0.61	6,334.0	2,729.7	-436.5	2,759.5	0.00	0.00	0.00	
9,500.0	90.00	0.61	6,334.0	2,829.7	-435.5	2,858.9	0.00	0.00	0.00	
9,600.0	90.00	0.61	6,334.0	2,929.7	-434.4	2,958.3	0.00	0.00	0.00	
9,700.0	90.00	0.61	6,334.0	3,029.7	-433.3	3,057.7	0.00	0.00	0.00	
9,800.0	90.00	0.61	6,334.0	3,129.7	-432.3	3,157.1	0.00	0.00	0.00	
9,900.0	90.00	0.61	6,334.0	3,229.6	-431.2	3,256.5	0.00	0.00	0.00	
10,000.0	90.00	0.61	6,334.0	3,329.6	-430.2	3,355.9	0.00	0.00	0.00	
10,100.0	90.00	0.61	6,334.0	3,429.6	-429.1	3,455.3	0.00	0.00	0.00	
10,200.0	90.00	0.61	6,334.0	3,529.6	-428.0	3,554.7	0.00	0.00	0.00	
10,300.0	90.00	0.61	6,334.0	3,629.6	-427.0	3,654.1	0.00	0.00	0.00	
10,400.0	90.00	0.61	6,334.0	3,729.6	-425.9	3,753.5	0.00	0.00	0.00	
10,500.0	90.00	0.61	6,334.0	3,829.6	-424.8	3,852.9	0.00	0.00	0.00	
10,600.0	90.00	0.61	6,334.0	3,929.6	-423.8	3,952.3	0.00	0.00	0.00	
10,700.0	90.00	0.61	6,334.0	4,029.6	-422.7	4,051.7	0.00	0.00	0.00	
10,800.0	90.00	0.61	6,334.0	4,129.6	-421.7	4,151.1	0.00	0.00	0.00	
10,889.1	90.00	0.61	6,334.0	4,218.7	-420.7	4,239.7	0.00	0.00	0.00	
BHL 470'FNL & 2285'FWL										

Formations						
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	6,681.0	6,334.0	NIORARA B		0.00	

COMPASS 2003.21 Build 46



# **BONANZA CREEK ENERGY OPERATING**

**SEC.26-T5N-R63W**

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

**State North Platte O24-K21-26HNB**

**Wellbore #1**

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

## **Anticollision Report**

**11 July, 2013**





Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte 24-21-26HNB - Wellbore #1 - P													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
1,800.0	1,790.0		1,802.8	4.7	4.3	142.43	-23.2	-91.7	84.7	76.4	8.31	10.200		
1,900.0	1,889.0	1,912.4	1,899.6	5.0	4.8	136.03	-36.5	-110.9	81.8	72.6	9.12	8.968		
2,000.0	1,987.9	2,011.9	1,996.3	5.4	5.2	129.24	-49.7	-130.1	79.9	69.9	10.00	7.985		
2,100.0	2,086.8	2,111.4	2,093.1	5.7	5.6	122.24	-63.0	-149.3	79.2	68.2	10.94	7.234		
2,108.3	2,095.0	2,119.7	2,101.1	5.8	5.7	121.65	-64.1	-150.9	79.2	68.1	11.02	7.181		
2,200.0	2,185.7	2,211.0	2,189.8	6.1	6.1	115.22	-76.2	-168.5	79.7	67.8	11.91	6.691		
2,300.0	2,284.6	2,310.5	2,286.6	6.4	6.6	108.38	-89.4	-187.6	81.4	68.5	12.86	6.327		
2,400.0	2,383.5	2,410.0	2,383.3	6.8	7.0	101.91	-102.7	-206.8	84.2	70.4	13.77	6.112		
2,500.0	2,482.5	2,509.5	2,480.1	7.1	7.5	95.92	-115.9	-226.0	88.0	73.3	14.63	6.014		
2,600.0	2,581.4	2,609.0	2,576.8	7.5	8.0	90.48	-129.2	-245.2	92.7	77.2	15.43	6.006		
2,700.0	2,680.3	2,708.6	2,673.6	7.9	8.5	85.60	-142.4	-264.4	98.1	81.9	16.17	6.066		
2,800.0	2,779.2	2,808.1	2,770.3	8.2	9.0	81.25	-155.6	-283.6	104.2	87.3	16.87	6.176		
2,900.0	2,878.1	2,907.6	2,867.1	8.6	9.5	77.40	-168.9	-302.7	110.8	93.3	17.53	6.320		
3,000.0	2,977.0	3,007.1	2,963.8	8.9	10.0	74.00	-182.1	-321.9	117.8	99.7	18.16	6.488		
3,100.0	3,076.0	3,106.6	3,060.6	9.3	10.5	70.99	-195.4	-341.1	125.3	106.5	18.77	6.672		
3,200.0	3,174.9	3,206.2	3,157.3	9.7	10.9	68.32	-208.6	-360.3	133.0	113.6	19.37	6.866		
3,300.0	3,273.8	3,305.7	3,254.1	10.0	11.4	65.95	-221.8	-379.5	141.0	121.0	19.95	7.065		
3,400.0	3,372.7	3,405.2	3,350.8	10.4	11.9	63.83	-235.1	-398.7	149.2	128.6	20.53	7.265		
3,500.0	3,471.6	3,504.7	3,447.6	10.7	12.4	61.94	-248.3	-417.9	157.6	136.5	21.11	7.465		
3,600.0	3,570.5	3,604.2	3,544.3	11.1	12.9	60.24	-261.6	-437.0	166.1	144.4	21.68	7.663		
3,700.0	3,669.5	3,703.8	3,641.1	11.5	13.4	58.70	-274.8	-456.2	174.8	152.5	22.24	7.857		
3,800.0	3,768.4	3,803.3	3,737.8	11.8	13.9	57.31	-288.1	-475.4	183.5	160.7	22.81	8.047		
3,900.0	3,867.3	3,902.8	3,834.6	12.2	14.4	56.05	-301.3	-494.6	192.4	169.0	23.38	8.231		
4,000.0	3,966.2	4,002.3	3,931.4	12.6	14.9	54.90	-314.5	-513.8	201.4	177.4	23.94	8.411		
4,100.0	4,065.1	4,101.8	4,028.1	12.9	15.5	53.85	-327.8	-533.0	210.4	185.9	24.51	8.585		
4,200.0	4,164.0	4,201.4	4,124.9	13.3	16.0	52.89	-341.0	-552.1	219.5	194.4	25.08	8.753		
4,300.0	4,263.0	4,300.9	4,221.6	13.6	16.5	52.00	-354.3	-571.3	228.7	203.0	25.65	8.915		
4,400.0	4,361.9	4,400.4	4,318.4	14.0	17.0	51.18	-367.5	-590.5	237.9	211.7	26.22	9.073		
4,500.0	4,460.8	4,499.9	4,415.1	14.4	17.5	50.42	-380.7	-609.7	247.1	220.3	26.79	9.224		
4,600.0	4,559.7	4,599.4	4,511.9	14.7	18.0	49.72	-394.0	-628.9	256.4	229.1	27.36	9.371		
4,700.0	4,658.6	4,699.0	4,608.6	15.1	18.5	49.06	-407.2	-648.1	265.8	237.8	27.94	9.512		
4,800.0	4,757.5	4,798.5	4,705.4	15.5	19.0	48.45	-420.5	-667.2	275.1	246.6	28.51	9.649		
4,900.0	4,856.5	4,898.0	4,802.1	15.8	19.5	47.88	-433.7	-686.4	284.5	255.4	29.09	9.781		
5,000.0	4,955.4	4,997.5	4,898.9	16.2	20.0	47.35	-446.9	-705.6	293.9	264.3	29.67	9.908		
5,100.0	5,054.3	5,097.0	4,995.6	16.5	20.5	46.85	-460.2	-724.8	303.4	273.1	30.24	10.030		
5,200.0	5,153.2	5,203.0	5,098.9	16.9	21.0	46.44	-473.8	-744.5	312.1	281.3	30.82	10.127		
5,300.0	5,252.1	5,312.9	5,206.7	17.3	21.3	46.44	-485.7	-761.8	318.0	286.5	31.41	10.122		
5,400.0	5,351.2	5,423.0	5,315.5	17.6	21.6	46.75	-495.3	-775.7	321.2	289.2	32.00	10.038		
5,500.0	5,450.6	5,533.2	5,425.0	17.8	21.9	47.01	-502.5	-786.1	323.6	291.2	32.45	9.971		
5,600.0	5,550.4	5,643.5	5,534.9	18.0	22.1	47.18	-507.3	-793.1	325.2	292.4	32.83	9.905		
5,700.0	5,650.3	5,753.8	5,645.2	18.1	22.3	47.27	-509.7	-796.6	326.0	292.9	33.13	9.839		
5,800.0	5,750.3	5,859.0	5,750.3	18.3	22.4	-90.00	-510.0	-797.0	326.1	292.8	33.28	9.799		
5,900.0	5,850.3	5,959.2	5,850.5	18.4	22.5	-90.61	-508.7	-797.0	326.1	292.4	33.67	9.684		
6,000.0	5,948.7	6,059.9	5,949.6	18.4	22.5	-90.59	-491.8	-796.8	326.1	292.4	33.67	9.685		
6,100.0	6,042.2	6,160.5	6,043.6	18.3	22.4	-90.55	-456.3	-796.4	326.1	292.7	33.38	9.769		
6,200.0	6,127.2	6,261.1	6,128.9	18.1	22.1	-90.49	-403.4	-795.9	326.1	293.2	32.89	9.916		
6,300.0	6,200.8	6,361.6	6,202.5	17.8	21.8	-90.41	-335.1	-795.1	326.1	293.8	32.30	10.096		
6,400.0	6,260.0	6,462.0	6,261.6	17.5	21.5	-90.31	-254.2	-794.3	326.1	294.3	31.76	10.266		
6,500.0	6,302.9	6,562.3	6,304.0	17.1	21.1	-90.21	-163.5	-793.3	326.1	294.6	31.43	10.374		
6,600.0	6,327.7	6,662.4	6,328.2	16.8	20.8	-90.09	-66.5	-792.3	326.1	294.6	31.43	10.376		
6,700.0	6,334.0	6,762.5	6,334.0	16.6	20.5	-90.00	33.3	-791.2	326.1	294.3	31.82	10.248		

Offset Design													State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte 24-21-26HNB - Wellbore #1 - P		Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
6,800.0	6,334.0	6,862.5	6,334.0	16.4	20.4	-90.00	133.3	-790.2	326.1	293.4	32.63	9.993					
6,900.0	6,334.0	6,962.5	6,334.0	17.0	20.4	-90.00	233.3	-789.1	326.1	292.2	33.88	9.624					
7,000.0	6,334.0	7,062.5	6,334.0	18.0	20.6	-90.00	333.3	-788.0	326.1	290.6	35.48	9.191					
7,100.0	6,334.0	7,162.5	6,334.0	19.1	21.1	-90.00	433.3	-787.0	326.1	288.7	37.40	8.717					
7,200.0	6,334.0	7,262.5	6,334.0	20.3	21.9	-90.00	533.3	-785.9	326.1	286.5	39.61	8.232					
7,300.0	6,334.0	7,362.5	6,334.0	21.6	22.9	-90.00	633.3	-784.8	326.1	284.0	42.05	7.754					
7,400.0	6,334.0	7,462.5	6,334.0	23.0	24.1	-90.00	733.3	-783.8	326.1	281.4	44.69	7.297					
7,500.0	6,334.0	7,562.5	6,334.0	24.4	25.4	-90.00	833.2	-782.7	326.1	278.6	47.49	6.867					
7,600.0	6,334.0	7,662.5	6,334.0	25.9	26.8	-90.00	933.2	-781.7	326.1	275.6	50.42	6.467					
7,700.0	6,334.0	7,762.5	6,334.0	27.5	28.2	-90.00	1,033.2	-780.6	326.1	272.6	53.47	6.098					
7,800.0	6,334.0	7,862.5	6,334.0	29.1	29.7	-90.00	1,133.2	-779.5	326.1	269.4	56.62	5.759					
7,900.0	6,334.0	7,962.5	6,334.0	30.7	31.2	-90.00	1,233.2	-778.5	326.1	266.2	59.85	5.448					
8,000.0	6,334.0	8,062.5	6,334.0	32.3	32.8	-90.00	1,333.2	-777.4	326.1	262.9	63.14	5.164					
8,100.0	6,334.0	8,162.5	6,334.0	34.0	34.4	-90.00	1,433.2	-776.3	326.1	259.6	66.49	4.904					
8,200.0	6,334.0	8,262.5	6,334.0	35.7	36.0	-90.00	1,533.2	-775.3	326.0	256.2	69.90	4.665					
8,300.0	6,334.0	8,362.5	6,334.0	37.5	37.7	-90.00	1,633.2	-774.2	326.0	252.7	73.34	4.446					
8,400.0	6,334.0	8,462.5	6,334.0	39.2	39.4	-90.00	1,733.2	-773.2	326.0	249.2	76.82	4.244					
8,500.0	6,334.0	8,562.5	6,334.0	41.0	41.1	-90.00	1,833.2	-772.1	326.0	245.7	80.34	4.058					
8,600.0	6,334.0	8,662.5	6,334.0	42.7	42.8	-90.00	1,933.2	-771.0	326.0	242.2	83.88	3.887					
8,700.0	6,334.0	8,762.5	6,334.0	44.5	44.6	-90.00	2,033.2	-770.0	326.0	238.6	87.45	3.728					
8,800.0	6,334.0	8,862.5	6,334.0	46.3	46.3	-90.00	2,133.2	-768.9	326.0	235.0	91.04	3.581					
8,900.0	6,334.0	8,962.5	6,334.0	48.1	48.1	-90.00	2,233.2	-767.8	326.0	231.4	94.64	3.445					
9,000.0	6,334.0	9,062.5	6,334.0	49.9	49.8	-90.00	2,333.2	-766.8	326.0	227.8	98.27	3.318					
9,100.0	6,334.0	9,162.5	6,334.0	51.7	51.6	-90.00	2,433.2	-765.7	326.0	224.1	101.91	3.199					
9,200.0	6,334.0	9,262.5	6,334.0	53.5	53.4	-90.00	2,533.2	-764.7	326.0	220.5	105.57	3.088					
9,300.0	6,334.0	9,362.5	6,334.0	55.4	55.2	-90.00	2,633.1	-763.6	326.0	216.8	109.23	2.985					
9,400.0	6,334.0	9,462.5	6,334.0	57.2	57.0	-90.00	2,733.1	-762.5	326.0	213.1	112.91	2.888					
9,500.0	6,334.0	9,562.5	6,334.0	59.1	58.8	-90.00	2,833.1	-761.5	326.0	209.4	116.60	2.796					
9,600.0	6,334.0	9,662.5	6,334.0	60.9	60.7	-90.00	2,933.1	-760.4	326.0	205.7	120.30	2.710					
9,700.0	6,334.0	9,762.5	6,334.0	62.8	62.5	-90.00	3,033.1	-759.3	326.0	202.0	124.00	2.629					
9,800.0	6,334.0	9,862.5	6,334.0	64.6	64.3	-90.00	3,133.1	-758.3	326.0	198.3	127.72	2.553					
9,900.0	6,334.0	9,962.5	6,334.0	66.5	66.1	-90.00	3,233.1	-757.2	326.0	194.6	131.44	2.480					
10,000.0	6,334.0	10,062.5	6,334.0	68.3	68.0	-90.00	3,333.1	-756.2	326.0	190.9	135.16	2.412					
10,100.0	6,334.0	10,162.5	6,334.0	70.2	69.8	-90.00	3,433.1	-755.1	326.0	187.1	138.90	2.347					
10,200.0	6,334.0	10,262.5	6,334.0	72.1	71.7	-90.00	3,533.1	-754.0	326.0	183.4	142.63	2.286					
10,300.0	6,334.0	10,362.5	6,334.0	73.9	73.5	-90.00	3,633.1	-753.0	326.0	179.6	146.38	2.227					
10,400.0	6,334.0	10,462.5	6,334.0	75.8	75.4	-90.00	3,733.1	-751.9	326.0	175.9	150.12	2.172					
10,500.0	6,334.0	10,562.5	6,334.0	77.7	77.2	-90.00	3,833.1	-750.8	326.0	172.1	153.88	2.119					
10,600.0	6,334.0	10,662.5	6,334.0	79.5	79.1	-90.00	3,933.1	-749.8	326.0	168.4	157.63	2.068					
10,700.0	6,334.0	10,762.5	6,334.0	81.4	81.0	-90.00	4,033.1	-748.7	326.0	164.6	161.39	2.020					
10,800.0	6,334.0	10,862.5	6,334.0	83.3	82.8	-90.00	4,133.1	-747.7	326.0	160.9	165.16	1.974					
10,889.1	6,334.0	10,951.6	6,334.0	85.0	84.5	-90.00	4,222.2	-746.7	326.0	157.5	168.51	1.935 SF					

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte 24-21-26HNC - Wellbore #1 - P													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance					Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	0.00	18.2	0.0	18.2	18.2	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	0.00	18.2	0.0	18.2	18.0	0.22	81.024		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	18.2	0.0	18.2	17.5	0.67	27.008		
300.0	300.0	300.0	300.0	0.6	0.6	0.00	18.2	0.0	18.2	17.1	1.12	16.205		
400.0	400.0	400.0	400.0	0.8	0.8	0.00	18.2	0.0	18.2	16.6	1.57	11.575		
500.0	500.0	500.0	500.0	1.0	1.0	0.00	18.2	0.0	18.2	16.2	2.02	9.003		
600.0	600.0	600.0	600.0	1.2	1.2	0.00	18.2	0.0	18.2	15.7	2.47	7.366 CC, ES		
700.0	700.0	700.0	700.0	1.4	1.5	140.74	18.2	0.0	19.5	16.6	2.90	6.735		
800.0	799.8	799.8	799.8	1.6	1.7	148.69	18.2	0.0	23.8	20.5	3.31	7.186		
900.0	899.5	900.4	900.3	1.8	1.9	155.24	17.1	-1.3	30.1	26.4	3.71	8.105		
1,000.0	998.7	1,001.1	1,001.0	2.1	2.1	158.82	13.7	-5.4	36.8	32.7	4.10	8.970		
1,100.0	1,097.6	1,102.2	1,101.6	2.4	2.3	160.29	8.0	-12.2	42.8	38.2	4.52	9.465		
1,200.0	1,196.5	1,203.5	1,202.2	2.7	2.5	159.47	0.0	-21.8	45.7	40.7	4.96	9.202		
1,300.0	1,295.5	1,304.9	1,302.3	3.0	2.8	156.59	-10.2	-34.1	45.5	40.1	5.45	8.355		
1,400.0	1,394.4	1,405.1	1,400.8	3.3	3.1	152.05	-21.8	-47.9	43.6	37.6	5.98	7.282		
1,500.0	1,493.3	1,505.0	1,499.1	3.6	3.5	147.10	-33.4	-61.8	41.9	35.3	6.57	6.374		
1,600.0	1,592.2	1,604.9	1,597.4	4.0	3.8	141.77	-45.0	-75.7	40.5	33.3	7.22	5.615		
1,700.0	1,691.1	1,704.8	1,695.6	4.3	4.2	136.14	-56.6	-89.6	39.6	31.6	7.93	4.989		
1,800.0	1,790.0	1,804.7	1,793.9	4.7	4.6	130.27	-68.2	-103.5	39.0	30.3	8.70	4.483		
1,886.1	1,875.2	1,890.8	1,878.5	5.0	4.9	125.13	-78.2	-115.4	38.8	29.4	9.40	4.133		
1,900.0	1,889.0	1,904.7	1,892.2	5.0	4.9	124.30	-79.8	-117.4	38.9	29.3	9.51	4.083		
2,000.0	1,987.9	2,004.6	1,990.4	5.4	5.3	118.35	-91.4	-131.3	39.1	28.8	10.36	3.777		
2,100.0	2,086.8	2,104.5	2,088.7	5.7	5.7	112.54	-103.0	-145.1	39.8	28.6	11.21	3.550		
2,200.0	2,185.7	2,204.4	2,187.0	6.1	6.1	106.98	-114.6	-159.0	40.9	28.8	12.06	3.390		
2,300.0	2,284.6	2,304.3	2,285.2	6.4	6.5	101.75	-126.2	-172.9	42.3	29.4	12.89	3.285		
2,400.0	2,383.5	2,404.3	2,383.5	6.8	6.9	96.91	-137.8	-186.8	44.1	30.4	13.69	3.222		
2,500.0	2,482.5	2,504.2	2,481.8	7.1	7.3	92.47	-149.4	-200.7	46.2	31.7	14.46	3.193		
2,600.0	2,581.4	2,604.1	2,580.0	7.5	7.7	88.42	-161.0	-214.6	48.5	33.3	15.19	3.190		
2,700.0	2,680.3	2,704.0	2,678.3	7.9	8.1	84.77	-172.6	-228.5	51.0	35.1	15.91	3.207		
2,800.0	2,779.2	2,803.9	2,776.6	8.2	8.5	81.47	-184.2	-242.3	53.7	37.1	16.59	3.238		
2,900.0	2,878.1	2,903.8	2,874.8	8.6	8.9	78.49	-195.8	-256.2	56.6	39.3	17.26	3.280		
3,000.0	2,977.0	3,003.8	2,973.1	8.9	9.4	75.81	-207.4	-270.1	59.6	41.7	17.91	3.330		
3,100.0	3,076.0	3,103.7	3,071.3	9.3	9.8	73.40	-219.0	-284.0	62.8	44.2	18.54	3.385		
3,200.0	3,174.9	3,203.6	3,169.6	9.7	10.2	71.21	-230.6	-297.9	66.0	46.8	19.17	3.443		
3,300.0	3,273.8	3,303.5	3,267.9	10.0	10.6	69.24	-242.1	-311.8	69.3	49.5	19.78	3.504		
3,400.0	3,372.7	3,403.4	3,366.1	10.4	11.0	67.44	-253.7	-325.6	72.7	52.3	20.39	3.566		
3,500.0	3,471.6	3,503.3	3,464.4	10.7	11.4	65.81	-265.3	-339.5	76.2	55.2	20.99	3.629		
3,600.0	3,570.5	3,603.3	3,562.7	11.1	11.8	64.32	-276.9	-353.4	79.7	58.1	21.59	3.691		
3,700.0	3,669.5	3,703.2	3,660.9	11.5	12.2	62.96	-288.5	-367.3	83.3	61.1	22.19	3.753		
3,800.0	3,768.4	3,803.1	3,759.2	11.8	12.7	61.71	-300.1	-381.2	86.9	64.1	22.78	3.814		
3,900.0	3,867.3	3,903.0	3,857.5	12.2	13.1	60.56	-311.7	-395.1	90.5	67.2	23.37	3.874		
4,000.0	3,966.2	4,002.9	3,955.7	12.6	13.5	59.50	-323.3	-409.0	94.2	70.3	23.96	3.932		
4,100.0	4,065.1	4,102.9	4,054.0	12.9	13.9	58.52	-334.9	-422.8	97.9	73.4	24.55	3.989		
4,200.0	4,164.0	4,202.8	4,152.3	13.3	14.3	57.61	-346.5	-436.7	101.7	76.5	25.14	4.045		
4,300.0	4,263.0	4,302.7	4,250.5	13.6	14.7	56.77	-358.1	-450.6	105.4	79.7	25.73	4.099		
4,400.0	4,361.9	4,402.6	4,348.8	14.0	15.1	55.98	-369.7	-464.5	109.2	82.9	26.31	4.151		
4,500.0	4,460.8	4,502.5	4,447.1	14.4	15.6	55.25	-381.3	-478.4	113.0	86.1	26.90	4.202		
4,600.0	4,559.7	4,602.4	4,545.3	14.7	16.0	54.56	-392.9	-492.3	116.9	89.4	27.49	4.251		
4,700.0	4,658.6	4,702.4	4,643.6	15.1	16.4	53.92	-404.5	-506.2	120.7	92.6	28.07	4.299		
4,800.0	4,757.5	4,802.3	4,741.9	15.5	16.8	53.32	-416.1	-520.0	124.5	95.9	28.66	4.346		
4,900.0	4,856.5	4,902.2	4,840.1	15.8	17.2	52.76	-427.7	-533.9	128.4	99.2	29.25	4.391		

COMPASS 2003.21 Build 46

<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>Local Co-ordinate Reference:</b>	Well State North Platte O24-K21-26HNB
<b>Project:</b>	SEC.26-T5N-R63W	<b>TVD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Reference Site:</b>	State North Platte 24-21-26HNB Sec.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	State North Platte O24-K21-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (7-10-13)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte 24-21-26HNB - Wellbore #1 - P													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.0	4,955.4	5,002.1	4,938.4	16.2	17.6	52.22		-439.3	-547.8	132.3	102.5	29.83	4.434	
5,100.0	5,054.3	5,102.0	5,036.7	16.5	18.1	51.72		-450.9	-561.7	136.2	105.8	30.42	4.476	
5,200.0	5,153.2	5,201.9	5,134.9	16.9	18.5	51.25		-462.5	-575.6	140.1	109.1	31.01	4.517	
5,300.0	5,252.1	5,301.9	5,233.2	17.3	18.9	50.80		-474.1	-589.5	144.0	112.4	31.59	4.557	
5,400.0	5,351.2	5,403.8	5,333.5	17.6	19.3	50.26		-485.6	-603.3	148.1	116.0	32.09	4.616	
5,500.0	5,450.6	5,507.7	5,436.3	17.8	19.5	49.60		-495.2	-614.8	152.1	119.7	32.39	4.697	
5,600.0	5,550.4	5,611.8	5,539.8	18.0	19.8	48.88		-502.5	-623.5	155.7	123.1	32.61	4.774	
5,700.0	5,650.3	5,716.0	5,643.7	18.1	20.0	48.10		-507.4	-629.3	158.9	126.1	32.76	4.849	
5,800.0	5,750.3	5,820.4	5,748.1	18.3	20.1	-89.92		-509.8	-632.2	161.4	128.6	32.80	4.920	
5,900.0	5,850.3	5,922.6	5,850.3	18.4	20.3	-91.11		-510.1	-632.6	161.7	128.6	33.08	4.888	
6,000.0	5,948.7	6,022.8	5,950.4	18.4	20.4	-96.06		-507.7	-632.6	162.6	130.4	32.21	5.049	
6,100.0	6,042.2	6,126.6	6,052.0	18.3	20.3	-101.63		-487.5	-632.4	165.2	134.2	30.99	5.331	
6,200.0	6,127.2	6,233.9	6,150.7	18.1	20.2	-106.66		-445.8	-632.0	169.0	139.3	29.68	5.693	
6,300.0	6,200.8	6,344.9	6,241.6	17.8	19.9	-110.95		-382.5	-631.3	173.4	145.0	28.40	6.105	
6,400.0	6,260.0	6,459.2	6,319.1	17.5	19.6	-114.32		-298.7	-630.5	177.7	150.4	27.30	6.510	
6,500.0	6,302.9	6,576.4	6,377.6	17.1	19.2	-116.68		-197.5	-629.5	181.2	154.6	26.60	6.813	
6,600.0	6,327.7	6,695.5	6,412.3	16.8	18.8	-117.98		-83.8	-628.3	183.4	156.9	26.52	6.915	
6,700.0	6,334.0	6,811.4	6,421.0	16.6	18.4	-118.24		31.5	-627.2	183.9	156.8	27.10	6.785	
6,800.0	6,334.0	6,911.4	6,421.0	16.4	18.3	-118.23		131.4	-626.2	183.9	156.1	27.84	6.607	
6,900.0	6,334.0	7,011.4	6,421.0	17.0	18.3	-118.22		231.4	-625.2	184.0	155.0	28.97	6.351	
7,000.0	6,334.0	7,111.4	6,421.0	18.0	18.8	-118.21		331.4	-624.2	184.0	153.6	30.45	6.043	
7,100.0	6,334.0	7,211.4	6,421.0	19.1	19.7	-118.20		431.4	-623.2	184.1	151.9	32.24	5.710	
7,200.0	6,334.0	7,311.4	6,421.0	20.3	20.8	-118.19		531.4	-622.1	184.1	149.9	34.28	5.372	
7,300.0	6,334.0	7,411.4	6,421.0	21.6	22.1	-118.19		631.4	-621.1	184.2	147.7	36.53	5.042	
7,400.0	6,334.0	7,511.4	6,421.0	23.0	23.4	-118.18		731.4	-620.1	184.2	145.3	38.96	4.729	
7,500.0	6,334.0	7,611.4	6,421.0	24.4	24.8	-118.17		831.4	-619.1	184.3	142.8	41.54	4.437	
7,600.0	6,334.0	7,711.4	6,421.0	25.9	26.3	-118.16		931.4	-618.1	184.3	140.1	44.24	4.167	
7,700.0	6,334.0	7,811.4	6,421.0	27.5	27.8	-118.15		1,031.4	-617.1	184.4	137.4	47.03	3.921	
7,800.0	6,334.0	7,911.4	6,421.0	29.1	29.3	-118.14		1,131.4	-616.1	184.4	134.5	49.91	3.695	
7,900.0	6,334.0	8,011.4	6,421.0	30.7	30.9	-118.14		1,231.4	-615.1	184.5	131.6	52.86	3.490	
8,000.0	6,334.0	8,111.4	6,421.0	32.3	32.5	-118.13		1,331.4	-614.1	184.5	128.7	55.87	3.303	
8,100.0	6,334.0	8,211.4	6,421.0	34.0	34.2	-118.12		1,431.4	-613.1	184.6	125.7	58.92	3.133	
8,200.0	6,334.0	8,311.4	6,421.0	35.7	35.9	-118.11		1,531.4	-612.1	184.6	122.6	62.02	2.977	
8,300.0	6,334.0	8,411.4	6,421.0	37.5	37.6	-118.10		1,631.4	-611.1	184.7	119.5	65.16	2.835	
8,400.0	6,334.0	8,511.4	6,421.0	39.2	39.3	-118.09		1,731.4	-610.1	184.7	116.4	68.33	2.704	
8,500.0	6,334.0	8,611.4	6,421.0	41.0	41.0	-118.09		1,831.4	-609.1	184.8	113.3	71.52	2.584	
8,600.0	6,334.0	8,711.4	6,421.0	42.7	42.8	-118.08		1,931.4	-608.1	184.8	110.1	74.74	2.473	
8,700.0	6,334.0	8,811.4	6,421.0	44.5	44.5	-118.07		2,031.4	-607.1	184.9	106.9	77.98	2.371	
8,800.0	6,334.0	8,911.4	6,421.0	46.3	46.3	-118.06		2,131.3	-606.1	185.0	103.7	81.24	2.277	
8,900.0	6,334.0	9,011.4	6,421.0	48.1	48.1	-118.05		2,231.3	-605.1	185.0	100.5	84.51	2.189	
9,000.0	6,334.0	9,111.4	6,421.0	49.9	49.9	-118.04		2,331.3	-604.1	185.1	97.3	87.80	2.108	
9,100.0	6,334.0	9,211.4	6,421.0	51.7	51.7	-118.03		2,431.3	-603.1	185.1	94.0	91.10	2.032	
9,200.0	6,334.0	9,311.4	6,421.0	53.5	53.5	-118.03		2,531.3	-602.1	185.2	90.7	94.42	1.961	
9,300.0	6,334.0	9,411.4	6,421.0	55.4	55.3	-118.02		2,631.3	-601.1	185.2	87.5	97.74	1.895	
9,400.0	6,334.0	9,511.4	6,421.0	57.2	57.1	-118.01		2,731.3	-600.1	185.3	84.2	101.08	1.833	
9,500.0	6,334.0	9,611.4	6,421.0	59.1	59.0	-118.00		2,831.3	-599.1	185.3	80.9	104.42	1.775	
9,600.0	6,334.0	9,711.4	6,421.0	60.9	60.8	-117.99		2,931.3	-598.1	185.4	77.6	107.77	1.720	
9,700.0	6,334.0	9,811.4	6,421.0	62.8	62.6	-117.98		3,031.3	-597.1	185.4	74.3	111.13	1.668	
9,800.0	6,334.0	9,911.4	6,421.0	64.6	64.5	-117.98		3,131.3	-596.1	185.5	71.0	114.49	1.620	
9,900.0	6,334.0	10,011.4	6,421.0	66.5	66.3	-117.97		3,231.3	-595.0	185.5	67.6	117.86	1.574	
10,000.0	6,334.0	10,111.4	6,421.0	68.3	68.2	-117.96		3,331.3	-594.0	185.6	64.3	121.24	1.531	

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

<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>Local Co-ordinate Reference:</b>	Well State North Platte O24-K21-26HNB
<b>Project:</b>	SEC.26-T5N-R63W	<b>TVD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Reference Site:</b>	State North Platte 24-21-26HNB Sec.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	State North Platte O24-K21-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (7-10-13)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte 24-21-26HNC - Wellbore #1 - P													<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD													<b>Offset Well Error:</b>	0.0 ft
Reference	Offset	Semi Major Axis		Distance		Minimum		Separation		Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,100.0	6,334.0	10,211.4	6,421.0	70.2	70.0	-117.95	3,431.3	-593.0	185.6	61.0	124.62	1.489	Level 3	
10,200.0	6,334.0	10,311.4	6,421.0	72.1	71.9	-117.94	3,531.3	-592.0	185.7	57.7	128.01	1.450	Level 3	
10,300.0	6,334.0	10,411.4	6,421.0	73.9	73.7	-117.93	3,631.3	-591.0	185.7	54.3	131.40	1.413	Level 3	
10,400.0	6,334.0	10,511.4	6,421.0	75.8	75.6	-117.93	3,731.3	-590.0	185.8	51.0	134.80	1.378	Level 3	
10,500.0	6,334.0	10,611.4	6,421.0	77.7	77.5	-117.92	3,831.3	-589.0	185.8	47.6	138.20	1.345	Level 3	
10,600.0	6,334.0	10,711.4	6,421.0	79.5	79.3	-117.91	3,931.3	-588.0	185.9	44.3	141.60	1.313	Level 3	
10,700.0	6,334.0	10,811.4	6,421.0	81.4	81.2	-117.90	4,031.3	-587.0	185.9	40.9	145.01	1.282	Level 3	
10,800.0	6,334.0	10,911.4	6,421.0	83.3	83.1	-117.89	4,131.2	-586.0	186.0	37.6	148.42	1.253	Level 3	
10,889.1	6,334.0	11,000.5	6,421.0	85.0	84.8	-117.89	4,220.4	-585.1	186.0	34.6	151.46	1.228	Level 2, SF	

Offset Design													State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O24-K21-26HNC - Wellbore #1		Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft		
Reference		Offset		Semi Major Axis			Distance									
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	-21.9	0.0	21.9							
100.0	100.0	99.0	99.0	0.1	0.1	-180.00	-21.9	0.0	21.9	21.6	0.22	97.738				
200.0	200.0	199.0	199.0	0.3	0.3	-180.00	-21.9	0.0	21.9	21.2	0.67	32.525				
300.0	300.0	299.0	299.0	0.6	0.6	-180.00	-21.9	0.0	21.9	20.7	1.12	19.489				
400.0	400.0	399.0	399.0	0.8	0.8	-180.00	-21.9	0.0	21.9	20.3	1.57	13.913 CC, ES				
500.0	500.0	498.3	498.3	1.0	1.0	-177.79	-23.3	-0.9	23.3	21.3	2.00	11.685				
600.0	600.0	597.4	597.3	1.2	1.2	-172.54	-27.6	-3.6	27.9	25.5	2.41	11.561				
700.0	700.0	696.2	695.6	1.4	1.4	-30.92	-34.8	-8.1	34.4	31.6	2.82	12.194				
800.0	799.8	795.6	794.4	1.6	1.7	-29.11	-44.3	-14.1	40.6	37.3	3.22	12.586				
900.0	899.5	895.5	893.7	1.8	1.9	-29.83	-54.1	-20.2	43.9	40.2	3.64	12.048				
1,000.0	998.7	995.5	993.0	2.1	2.2	-32.76	-63.8	-26.4	44.3	40.2	4.09	10.811				
1,100.0	1,097.6	1,095.4	1,092.2	2.4	2.5	-37.54	-73.6	-32.5	42.8	38.2	4.59	9.316				
1,200.0	1,196.5	1,195.3	1,191.5	2.7	2.8	-42.70	-83.4	-38.6	41.6	36.4	5.13	8.094				
1,300.0	1,295.5	1,295.2	1,290.7	3.0	3.1	-48.12	-93.1	-44.7	40.7	35.0	5.72	7.114				
1,400.0	1,394.4	1,395.2	1,390.0	3.3	3.4	-53.72	-102.9	-50.9	40.2	33.9	6.35	6.332				
1,473.5	1,467.1	1,468.6	1,462.9	3.6	3.6	-57.90	-110.0	-55.4	40.1	33.3	6.84	5.865				
1,500.0	1,493.3	1,495.1	1,489.3	3.6	3.7	-59.41	-112.6	-57.0	40.1	33.1	7.02	5.716				
1,600.0	1,592.2	1,595.0	1,588.5	4.0	4.0	-65.06	-122.4	-63.1	40.4	32.7	7.71	5.239				
1,700.0	1,691.1	1,694.9	1,687.8	4.3	4.3	-70.58	-132.1	-69.2	41.1	32.7	8.43	4.876				
1,800.0	1,790.0	1,794.8	1,787.0	4.7	4.7	-75.87	-141.9	-75.3	42.2	33.0	9.15	4.606				
1,900.0	1,889.0	1,894.8	1,886.3	5.0	5.0	-80.87	-151.6	-81.5	43.6	33.7	9.88	4.411				
2,000.0	1,987.9	1,994.7	1,985.5	5.4	5.3	-85.52	-161.4	-87.6	45.3	34.7	10.59	4.275				
2,100.0	2,086.8	2,094.6	2,084.8	5.7	5.6	-89.80	-171.1	-93.7	47.2	36.0	11.29	4.186				
2,200.0	2,185.7	2,194.5	2,184.0	6.1	5.9	-93.72	-180.9	-99.8	49.5	37.5	11.97	4.133				
2,300.0	2,284.6	2,294.4	2,283.3	6.4	6.2	-97.29	-190.6	-106.0	51.9	39.3	12.64	4.107				
2,400.0	2,383.5	2,394.4	2,382.6	6.8	6.5	-100.53	-200.4	-112.1	54.5	41.2	13.29	4.103				
2,500.0	2,482.5	2,494.3	2,481.8	7.1	6.9	-103.47	-210.1	-118.2	57.3	43.4	13.93	4.114				
2,600.0	2,581.4	2,594.2	2,581.1	7.5	7.2	-106.12	-219.9	-124.3	60.2	45.7	14.56	4.137				
2,700.0	2,680.3	2,694.1	2,680.3	7.9	7.5	-108.53	-229.6	-130.4	63.2	48.1	15.17	4.168				
2,800.0	2,779.2	2,794.1	2,779.6	8.2	7.8	-110.71	-239.4	-136.6	66.4	50.6	15.78	4.206				
2,900.0	2,878.1	2,894.0	2,878.8	8.6	8.1	-112.70	-249.1	-142.7	69.6	53.2	16.38	4.249				
3,000.0	2,977.0	2,993.9	2,978.1	8.9	8.4	-114.50	-258.9	-148.8	72.9	55.9	16.98	4.294				
3,100.0	3,076.0	3,093.8	3,077.3	9.3	8.8	-116.15	-268.6	-154.9	76.3	58.7	17.56	4.342				
3,200.0	3,174.9	3,193.7	3,176.6	9.7	9.1	-117.66	-278.4	-161.1	79.7	61.5	18.15	4.390				
3,300.0	3,273.8	3,293.7	3,275.8	10.0	9.4	-119.04	-288.1	-167.2	83.1	64.4	18.73	4.439				
3,400.0	3,372.7	3,393.6	3,375.1	10.4	9.7	-120.32	-297.9	-173.3	86.7	67.4	19.31	4.488				
3,500.0	3,471.6	3,493.5	3,474.4	10.7	10.0	-121.49	-307.7	-179.4	90.2	70.3	19.88	4.537				
3,600.0	3,570.5	3,593.4	3,573.6	11.1	10.3	-122.57	-317.4	-185.5	93.8	73.3	20.46	4.585				
3,700.0	3,669.5	3,693.3	3,672.9	11.5	10.7	-123.58	-327.2	-191.7	97.4	76.4	21.03	4.632				
3,800.0	3,768.4	3,793.3	3,772.1	11.8	11.0	-124.51	-336.9	-197.8	101.1	79.5	21.60	4.679				
3,900.0	3,867.3	3,893.2	3,871.4	12.2	11.3	-125.37	-346.7	-203.9	104.7	82.6	22.17	4.724				
4,000.0	3,966.2	3,993.1	3,970.6	12.6	11.6	-126.18	-356.4	-210.0	108.4	85.7	22.74	4.768				
4,100.0	4,065.1	4,093.0	4,069.9	12.9	11.9	-126.93	-366.2	-216.2	112.2	88.8	23.31	4.812				
4,200.0	4,164.0	4,192.9	4,169.1	13.3	12.2	-127.64	-375.9	-222.3	115.9	92.0	23.88	4.854				
4,300.0	4,263.0	4,292.9	4,268.4	13.6	12.6	-128.30	-385.7	-228.4	119.6	95.2	24.44	4.894				
4,400.0	4,361.9	4,392.8	4,367.6	14.0	12.9	-128.92	-395.4	-234.5	123.4	98.4	25.01	4.934				
4,500.0	4,460.8	4,492.7	4,466.9	14.4	13.2	-129.51	-405.2	-240.7	127.2	101.6	25.58	4.973				
4,600.0	4,559.7	4,592.6	4,566.2	14.7	13.5	-130.06	-414.9	-246.8	131.0	104.8	26.14	5.010				
4,700.0	4,658.6	4,692.5	4,665.4	15.1	13.8	-130.58	-424.7	-252.9	134.8	108.1	26.71	5.046				
4,800.0	4,757.5	4,792.5	4,764.7	15.5	14.1	-131.07	-434.4	-259.0	138.6	111.3	27.27	5.081				
4,900.0	4,856.5	4,892.4	4,863.9	15.8	14.5	-131.53	-444.2	-265.1	142.4	114.6	27.84	5.116				

COMPASS 2003.21 Build 46



<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>Local Co-ordinate Reference:</b>	Well State North Platte O24-K21-26HNB
<b>Project:</b>	SEC.26-T5N-R63W	<b>TVD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Reference Site:</b>	State North Platte 24-21-26HNB Sec.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	State North Platte O24-K21-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (7-10-13)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O24-K21-26HNB - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,000.0	4,955.4	4,992.3	4,963.2	16.2	14.8	-131.97	-453.9	-271.3	146.2	117.8	28.40	5.149		
5,100.0	5,054.3	5,092.2	5,062.4	16.5	15.1	-132.39	-463.7	-277.4	150.1	121.1	28.97	5.181		
5,200.0	5,153.2	5,192.1	5,161.7	16.9	15.4	-132.79	-473.4	-283.5	153.9	124.4	29.53	5.212		
5,300.0	5,252.1	5,292.1	5,260.9	17.3	15.7	-133.16	-483.2	-289.6	157.8	127.7	30.10	5.242		
5,400.0	5,351.2	5,392.0	5,360.2	17.6	16.1	-133.32	-492.9	-295.8	161.0	130.3	30.66	5.251		
5,500.0	5,450.6	5,489.3	5,457.0	17.8	16.3	-133.02	-501.3	-301.0	162.7	131.5	31.14	5.224		
5,600.0	5,550.4	5,586.4	5,553.8	18.0	16.5	-132.82	-506.9	-304.5	163.8	132.3	31.52	5.197		
5,700.0	5,650.3	5,683.4	5,650.8	18.1	16.6	-132.71	-509.7	-306.3	164.3	132.5	31.82	5.165		
5,800.0	5,750.3	5,781.9	5,749.3	18.3	16.8	90.02	-510.1	-306.5	164.4	132.4	32.03	5.132		
5,900.0	5,850.3	5,881.9	5,849.3	18.4	16.9	89.87	-510.1	-306.5	164.4	131.9	32.45	5.066		
5,904.7	5,855.0	5,886.6	5,854.0	18.4	16.9	90.00	-510.1	-306.5	164.4	131.9	32.47	5.062		
6,000.0	5,948.7	5,981.7	5,949.1	18.4	17.0	94.78	-507.7	-306.5	165.0	131.8	33.20	4.970		
6,100.0	6,042.2	6,084.8	6,050.0	18.3	17.0	100.33	-487.7	-306.3	167.2	133.6	33.55	4.983		
6,200.0	6,127.2	6,191.4	6,148.2	18.1	16.9	105.43	-446.6	-305.9	170.6	137.4	33.24	5.134		
6,300.0	6,200.8	6,301.7	6,238.8	17.8	16.7	109.84	-384.1	-305.2	174.9	142.5	32.33	5.409		
6,400.0	6,260.0	6,415.4	6,316.2	17.5	16.4	113.39	-301.2	-304.4	179.1	148.0	31.10	5.760		
6,500.0	6,302.9	6,532.1	6,375.1	17.1	16.1	115.95	-200.7	-303.4	182.7	152.7	29.99	6.092		
6,600.0	6,327.7	6,650.9	6,410.6	16.8	15.9	117.48	-87.6	-302.3	185.0	155.5	29.49	6.274		
6,700.0	6,334.0	6,767.3	6,420.0	16.6	16.0	117.93	28.2	-301.1	185.7	155.8	29.94	6.203		
6,800.0	6,334.0	6,867.3	6,420.0	16.4	16.4	117.94	128.2	-300.1	185.7	154.7	30.97	5.995		
6,900.0	6,334.0	6,967.3	6,420.0	17.0	17.2	117.95	228.2	-299.1	185.6	153.3	32.36	5.737		
7,000.0	6,334.0	7,067.3	6,420.0	18.0	18.1	117.96	328.2	-298.1	185.6	151.5	34.02	5.454		
7,100.0	6,334.0	7,167.3	6,420.0	19.1	19.2	117.97	428.2	-297.1	185.5	149.6	35.94	5.161		
7,200.0	6,334.0	7,267.3	6,420.0	20.3	20.4	117.98	528.2	-296.1	185.5	147.4	38.08	4.870		
7,300.0	6,334.0	7,367.3	6,420.0	21.6	21.7	117.99	628.2	-295.1	185.4	145.0	40.40	4.589		
7,400.0	6,334.0	7,467.3	6,420.0	23.0	23.1	117.99	728.1	-294.1	185.3	142.5	42.88	4.323		
7,500.0	6,334.0	7,567.3	6,420.0	24.4	24.6	118.00	828.1	-293.1	185.3	139.8	45.48	4.075		
7,600.0	6,334.0	7,667.3	6,420.0	25.9	26.1	118.01	928.1	-292.1	185.2	137.1	48.18	3.844		
7,700.0	6,334.0	7,767.3	6,420.0	27.5	27.7	118.02	1,028.1	-291.1	185.2	134.2	50.98	3.632		
7,800.0	6,334.0	7,867.3	6,420.0	29.1	29.3	118.03	1,128.1	-290.1	185.1	131.3	53.86	3.438		
7,900.0	6,334.0	7,967.3	6,420.0	30.7	30.9	118.04	1,228.1	-289.1	185.1	128.3	56.79	3.259		
8,000.0	6,334.0	8,067.3	6,420.0	32.3	32.6	118.05	1,328.1	-288.1	185.0	125.2	59.79	3.095		
8,100.0	6,334.0	8,167.3	6,420.0	34.0	34.3	118.06	1,428.1	-287.1	185.0	122.2	62.82	2.944		
8,200.0	6,334.0	8,267.3	6,420.0	35.7	36.0	118.06	1,528.1	-286.1	184.9	119.0	65.90	2.806		
8,300.0	6,334.0	8,367.3	6,420.0	37.5	37.7	118.07	1,628.1	-285.1	184.9	115.9	69.02	2.679		
8,400.0	6,334.0	8,467.3	6,420.0	39.2	39.5	118.08	1,728.1	-284.1	184.8	112.7	72.16	2.561		
8,500.0	6,334.0	8,567.3	6,420.0	41.0	41.3	118.09	1,828.1	-283.1	184.8	109.4	75.33	2.453		
8,600.0	6,334.0	8,667.3	6,420.0	42.7	43.0	118.10	1,928.1	-282.1	184.7	106.2	78.52	2.352		
8,700.0	6,334.0	8,767.3	6,420.0	44.5	44.8	118.11	2,028.1	-281.1	184.7	102.9	81.74	2.259		
8,800.0	6,334.0	8,867.3	6,420.0	46.3	46.6	118.12	2,128.1	-280.1	184.6	99.6	84.97	2.173		
8,900.0	6,334.0	8,967.3	6,420.0	48.1	48.4	118.12	2,228.1	-279.1	184.6	96.3	88.22	2.092		
9,000.0	6,334.0	9,067.3	6,420.0	49.9	50.3	118.13	2,328.1	-278.1	184.5	93.0	91.48	2.017		
9,100.0	6,334.0	9,167.3	6,420.0	51.7	52.1	118.14	2,428.1	-277.1	184.5	89.7	94.75	1.947		
9,200.0	6,334.0	9,267.3	6,420.0	53.5	53.9	118.15	2,528.1	-276.1	184.4	86.4	98.04	1.881		
9,300.0	6,334.0	9,367.3	6,420.0	55.4	55.8	118.16	2,628.1	-275.1	184.4	83.0	101.33	1.819		
9,400.0	6,334.0	9,467.3	6,420.0	57.2	57.6	118.17	2,728.0	-274.1	184.3	79.7	104.64	1.761		
9,500.0	6,334.0	9,567.3	6,420.0	59.1	59.4	118.18	2,828.0	-273.1	184.2	76.3	107.95	1.707		
9,600.0	6,334.0	9,667.3	6,420.0	60.9	61.3	118.19	2,928.0	-272.0	184.2	72.9	111.27	1.655		
9,700.0	6,334.0	9,767.3	6,420.0	62.8	63.2	118.19	3,028.0	-271.0	184.1	69.5	114.60	1.607		
9,800.0	6,334.0	9,867.3	6,420.0	64.6	65.0	118.20	3,128.0	-270.0	184.1	66.2	117.93	1.561		
9,900.0	6,334.0	9,967.3	6,420.0	66.5	66.9	118.21	3,228.0	-269.0	184.0	62.8	121.27	1.518		

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

<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>Local Co-ordinate Reference:</b>	Well State North Platte O24-K21-26HNB
<b>Project:</b>	SEC.26-T5N-R63W	<b>TVD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Reference Site:</b>	State North Platte 24-21-26HNB Sec.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	State North Platte O24-K21-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (7-10-13)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O24-K21-26HNB - Wellbore #1													<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD													<b>Offset Well Error:</b>	0.0 ft
Reference	Offset	Semi Major Axis		Distance		Minimum Separation		Warning						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,000.0	6,334.0	10,067.3	6,420.0	68.3	68.7	118.22	3,328.0	-268.0	184.0	59.4	124.61	1.476	Level 3	
10,100.0	6,334.0	10,167.3	6,420.0	70.2	70.6	118.23	3,428.0	-267.0	183.9	56.0	127.96	1.437	Level 3	
10,200.0	6,334.0	10,267.3	6,420.0	72.1	72.5	118.24	3,528.0	-266.0	183.9	52.6	131.32	1.400	Level 3	
10,300.0	6,334.0	10,367.3	6,420.0	73.9	74.4	118.25	3,628.0	-265.0	183.8	49.2	134.67	1.365	Level 3	
10,400.0	6,334.0	10,467.3	6,420.0	75.8	76.2	118.25	3,728.0	-264.0	183.8	45.7	138.03	1.331	Level 3	
10,500.0	6,334.0	10,567.3	6,420.0	77.7	78.1	118.26	3,828.0	-263.0	183.7	42.3	141.40	1.299	Level 3	
10,600.0	6,334.0	10,667.3	6,420.0	79.5	80.0	118.27	3,928.0	-262.0	183.7	38.9	144.77	1.269	Level 3	
10,700.0	6,334.0	10,767.3	6,420.0	81.4	81.9	118.28	4,028.0	-261.0	183.6	35.5	148.14	1.240	Level 2	
10,800.0	6,334.0	10,867.3	6,420.0	83.3	83.7	118.29	4,128.0	-260.0	183.6	32.1	151.51	1.212	Level 2	
10,889.1	6,334.0	10,956.4	6,420.0	85.0	85.4	118.30	4,217.1	-259.1	183.5	29.0	154.52	1.188	Level 2, SF	



<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>Local Co-ordinate Reference:</b>	Well State North Platte O24-K21-26HNB
<b>Project:</b>	SEC.26-T5N-R63W	<b>TVD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Reference Site:</b>	State North Platte 24-21-26HNB Sec.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	State North Platte O24-K21-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (7-10-13)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O-K-26HNB - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	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	-40.1	0.0	40.1				
100.0	100.0	98.0	98.0	0.1	0.1	-180.00	-180.00	-40.1	0.0	40.1	39.8	0.22	180.053	
200.0	200.0	198.0	198.0	0.3	0.3	-180.00	-180.00	-40.1	0.0	40.1	39.4	0.67	59.817 CC, ES	
300.0	300.0	296.7	296.7	0.6	0.5	-179.35	-179.35	-41.6	-0.5	41.7	40.6	1.09	38.051	
400.0	400.0	395.1	394.9	0.8	0.7	-177.63	-177.63	-46.4	-1.9	46.6	45.0	1.52	30.539	
500.0	500.0	493.0	492.5	1.0	1.0	-175.45	-175.45	-54.4	-4.3	54.8	52.9	1.98	27.674	
600.0	600.0	592.1	591.0	1.2	1.2	-173.44	-173.44	-64.7	-7.4	65.5	63.0	2.46	26.590	
700.0	700.0	691.6	690.0	1.4	1.5	-35.36	-35.36	-75.0	-10.6	74.8	71.9	2.84	26.310	
800.0	799.8	791.4	789.1	1.6	1.8	-36.15	-36.15	-85.4	-13.7	81.2	78.0	3.26	24.959	
900.0	899.5	891.3	888.4	1.8	2.1	-38.26	-38.26	-95.8	-16.9	85.0	81.3	3.69	23.013	
1,000.0	998.7	991.1	987.7	2.1	2.4	-41.71	-41.71	-106.2	-20.0	86.2	82.0	4.16	20.709	
1,097.8	1,095.5	1,088.8	1,084.7	2.4	2.7	-45.97	-45.97	-116.4	-23.1	86.2	81.6	4.67	18.482	
1,100.0	1,097.6	1,090.9	1,086.9	2.4	2.7	-46.21	-46.21	-116.6	-23.1	86.0	81.3	4.68	18.388	
1,200.0	1,196.5	1,190.7	1,186.0	2.7	3.0	-50.74	-50.74	-127.0	-26.3	86.3	81.1	5.23	16.498	
1,300.0	1,295.5	1,290.5	1,285.2	3.0	3.3	-55.21	-55.21	-137.4	-29.4	87.2	81.3	5.82	14.972	
1,400.0	1,394.4	1,390.2	1,384.4	3.3	3.6	-59.58	-59.58	-147.7	-32.6	88.5	82.1	6.44	13.740	
1,500.0	1,493.3	1,490.0	1,483.6	3.6	4.0	-63.78	-63.78	-158.1	-35.7	90.4	83.3	7.09	12.748	
1,600.0	1,592.2	1,589.7	1,582.7	4.0	4.3	-67.80	-67.80	-168.5	-38.8	92.7	84.9	7.76	11.951	
1,700.0	1,691.1	1,689.5	1,681.9	4.3	4.6	-71.61	-71.61	-178.9	-42.0	95.4	87.0	8.44	11.312	
1,800.0	1,790.0	1,789.3	1,781.1	4.7	4.9	-75.18	-75.18	-189.3	-45.1	98.6	89.5	9.13	10.800	
1,900.0	1,889.0	1,889.0	1,880.3	5.0	5.2	-78.53	-78.53	-199.7	-48.3	102.1	92.3	9.83	10.392	
2,000.0	1,987.9	1,988.8	1,979.4	5.4	5.5	-81.64	-81.64	-210.1	-51.4	106.0	95.4	10.53	10.066	
2,100.0	2,086.8	2,088.6	2,078.6	5.7	5.8	-84.53	-84.53	-220.5	-54.5	110.1	98.9	11.22	9.808	
2,200.0	2,185.7	2,188.3	2,177.8	6.1	6.1	-87.20	-87.20	-230.8	-57.7	114.5	102.6	11.92	9.604	
2,300.0	2,284.6	2,288.1	2,277.0	6.4	6.4	-89.67	-89.67	-241.2	-60.8	119.1	106.5	12.61	9.443	
2,400.0	2,383.5	2,387.9	2,376.1	6.8	6.7	-91.95	-91.95	-251.6	-64.0	123.9	110.6	13.30	9.317	
2,500.0	2,482.5	2,487.6	2,475.3	7.1	7.0	-94.06	-94.06	-262.0	-67.1	128.9	114.9	13.98	9.220	
2,600.0	2,581.4	2,587.4	2,574.5	7.5	7.3	-96.01	-96.01	-272.4	-70.2	134.1	119.4	14.66	9.146	
2,700.0	2,680.3	2,687.2	2,673.7	7.9	7.6	-97.81	-97.81	-282.8	-73.4	139.4	124.1	15.34	9.090	
2,800.0	2,779.2	2,786.9	2,772.8	8.2	8.0	-99.48	-99.48	-293.2	-76.5	144.9	128.8	16.01	9.050	
2,900.0	2,878.1	2,886.7	2,872.0	8.6	8.3	-101.03	-101.03	-303.6	-79.7	150.4	133.7	16.67	9.022	
3,000.0	2,977.0	2,986.5	2,971.2	8.9	8.6	-102.47	-102.47	-313.9	-82.8	156.1	138.7	17.33	9.005	
3,100.0	3,076.0	3,086.2	3,070.4	9.3	8.9	-103.80	-103.80	-324.3	-85.9	161.8	143.8	17.99	8.995	
3,200.0	3,174.9	3,186.0	3,169.5	9.7	9.2	-105.05	-105.05	-334.7	-89.1	167.6	149.0	18.64	8.993	
3,300.0	3,273.8	3,285.8	3,268.7	10.0	9.5	-106.21	-106.21	-345.1	-92.2	173.5	154.2	19.29	8.995	
3,400.0	3,372.7	3,385.5	3,367.9	10.4	9.8	-107.29	-107.29	-355.5	-95.4	179.5	159.6	19.94	9.003	
3,500.0	3,471.6	3,485.3	3,467.0	10.7	10.1	-108.30	-108.30	-365.9	-98.5	185.5	165.0	20.58	9.013	
3,600.0	3,570.5	3,585.1	3,566.2	11.1	10.4	-109.25	-109.25	-376.3	-101.6	191.6	170.4	21.23	9.027	
3,700.0	3,669.5	3,684.8	3,665.4	11.5	10.7	-110.14	-110.14	-386.7	-104.8	197.8	175.9	21.87	9.043	
3,800.0	3,768.4	3,784.6	3,764.6	11.8	11.0	-110.98	-110.98	-397.0	-107.9	203.9	181.4	22.51	9.061	
3,900.0	3,867.3	3,884.4	3,863.7	12.2	11.3	-111.76	-111.76	-407.4	-111.1	210.1	187.0	23.14	9.081	
4,000.0	3,966.2	3,984.1	3,962.9	12.6	11.7	-112.51	-112.51	-417.8	-114.2	216.4	192.6	23.78	9.101	
4,100.0	4,065.1	4,083.9	4,062.1	12.9	12.0	-113.21	-113.21	-428.2	-117.3	222.7	198.3	24.41	9.123	
4,200.0	4,164.0	4,183.7	4,161.3	13.3	12.3	-113.87	-113.87	-438.6	-120.5	229.0	204.0	25.04	9.145	
4,300.0	4,263.0	4,283.4	4,260.4	13.6	12.6	-114.49	-114.49	-449.0	-123.6	235.4	209.7	25.67	9.168	
4,400.0	4,361.9	4,383.2	4,359.6	14.0	12.9	-115.09	-115.09	-459.4	-126.8	241.7	215.4	26.30	9.191	
4,500.0	4,460.8	4,483.0	4,458.8	14.4	13.2	-115.65	-115.65	-469.7	-129.9	248.1	221.2	26.93	9.214	
4,600.0	4,559.7	4,582.7	4,558.0	14.7	13.5	-116.18	-116.18	-480.1	-133.1	254.6	227.0	27.56	9.237	
4,700.0	4,658.6	4,682.5	4,657.1	15.1	13.8	-116.69	-116.69	-490.5	-136.2	261.0	232.8	28.18	9.260	
4,800.0	4,757.5	4,782.1	4,756.2	15.5	14.1	-117.35	-117.35	-500.1	-139.1	267.5	238.7	28.76	9.301	
4,900.0	4,856.5	4,881.3	4,855.2	15.8	14.3	-118.65	-118.65	-506.6	-141.0	274.2	244.9	29.21	9.386	

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

<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>Local Co-ordinate Reference:</b>	Well State North Platte O24-K21-26HNB
<b>Project:</b>	SEC.26-T5N-R63W	<b>TVD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Reference Site:</b>	State North Platte 24-21-26HNB Sec.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	State North Platte O24-K21-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (7-10-13)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O-K-26HNB - Wellbore #1 - Pla													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,000.0	4,955.4	4,979.9	4,953.8	16.2	14.4	-120.58	-509.7	-142.0	281.2	251.7	29.57	9.510		
5,100.0	5,054.3	5,078.5	5,052.3	16.5	14.6	-122.99	-510.1	-142.1	289.0	259.1	29.88	9.672		
5,200.0	5,153.2	5,177.4	5,151.2	16.9	14.7	-125.34	-510.1	-142.1	297.3	267.2	30.15	9.861		
5,300.0	5,252.1	5,276.3	5,250.1	17.3	14.8	-127.57	-510.1	-142.1	306.1	275.7	30.41	10.067		
5,400.0	5,351.2	5,375.3	5,349.2	17.6	15.0	-129.64	-510.1	-142.1	314.7	284.1	30.63	10.274		
5,500.0	5,450.6	5,474.8	5,448.6	17.8	15.1	-131.17	-510.1	-142.1	321.5	290.7	30.82	10.431		
5,600.0	5,550.4	5,574.5	5,548.4	18.0	15.2	-132.16	-510.1	-142.1	326.2	295.1	31.03	10.510		
5,700.0	5,650.3	5,674.5	5,648.3	18.1	15.4	-132.65	-510.1	-142.1	328.5	297.2	31.27	10.507		
5,800.0	5,750.3	5,774.5	5,748.3	18.3	15.5	90.01	-510.1	-142.1	328.8	297.3	31.48	10.445		
5,900.0	5,850.3	5,874.2	5,848.0	18.4	15.6	89.40	-508.8	-142.1	328.8	297.0	31.80	10.338		
6,000.0	5,948.7	5,973.6	5,945.9	18.4	15.7	89.42	-492.3	-141.9	328.8	297.0	31.83	10.329		
6,100.0	6,042.2	6,073.1	6,038.9	18.3	15.6	89.46	-457.6	-141.6	328.8	297.2	31.60	10.403		
6,200.0	6,127.2	6,172.5	6,123.7	18.1	15.4	89.52	-405.9	-141.1	328.7	297.5	31.20	10.536		
6,300.0	6,200.8	6,272.1	6,197.1	17.8	15.2	89.60	-338.9	-140.4	328.7	297.9	30.75	10.690		
6,400.0	6,260.0	6,371.7	6,256.6	17.5	15.0	89.69	-259.1	-139.6	328.6	298.3	30.39	10.815		
6,500.0	6,302.9	6,471.4	6,299.8	17.1	15.0	89.80	-169.4	-138.7	328.6	298.3	30.27	10.855		
6,600.0	6,327.7	6,571.3	6,325.2	16.8	15.1	89.91	-73.0	-137.7	328.5	298.0	30.51	10.767		
6,700.0	6,334.0	6,671.2	6,332.0	16.6	15.4	90.00	26.5	-136.7	328.5	297.3	31.16	10.542		
6,800.0	6,334.0	6,771.2	6,332.0	16.4	16.0	90.00	126.5	-135.7	328.4	296.2	32.23	10.188		
6,900.0	6,334.0	6,871.2	6,332.0	17.0	16.8	90.00	226.5	-134.7	328.3	294.6	33.73	9.736		
7,000.0	6,334.0	6,971.2	6,332.0	18.0	17.8	90.00	326.5	-133.7	328.3	292.7	35.55	9.233		
7,100.0	6,334.0	7,071.2	6,332.0	19.1	18.9	90.00	426.5	-132.7	328.2	290.5	37.69	8.709		
7,200.0	6,334.0	7,171.2	6,332.0	20.3	20.2	90.00	526.5	-131.7	328.2	288.1	40.07	8.189		
7,300.0	6,334.0	7,271.2	6,332.0	21.6	21.5	90.00	626.5	-130.7	328.1	285.4	42.67	7.689		
7,400.0	6,334.0	7,371.2	6,332.0	23.0	22.9	90.00	726.5	-129.7	328.0	282.6	45.45	7.219		
7,500.0	6,334.0	7,471.2	6,332.0	24.4	24.4	90.00	826.5	-128.7	328.0	279.6	48.36	6.782		
7,600.0	6,334.0	7,571.2	6,332.0	25.9	25.9	90.00	926.5	-127.7	327.9	276.5	51.40	6.379		
7,700.0	6,334.0	7,671.2	6,332.0	27.5	27.5	90.00	1,026.5	-126.7	327.9	273.3	54.54	6.011		
7,800.0	6,334.0	7,771.2	6,332.0	29.1	29.2	90.00	1,126.5	-125.7	327.8	270.0	57.77	5.675		
7,900.0	6,334.0	7,871.2	6,332.0	30.7	30.8	90.00	1,226.5	-124.7	327.7	266.7	61.06	5.367		
8,000.0	6,334.0	7,971.2	6,332.0	32.3	32.5	90.00	1,326.5	-123.7	327.7	263.3	64.42	5.087		
8,100.0	6,334.0	8,071.2	6,332.0	34.0	34.2	90.00	1,426.5	-122.7	327.6	259.8	67.82	4.831		
8,200.0	6,334.0	8,171.2	6,332.0	35.7	36.0	90.00	1,526.5	-121.7	327.6	256.3	71.27	4.596		
8,300.0	6,334.0	8,271.2	6,332.0	37.5	37.7	90.00	1,626.5	-120.7	327.5	252.8	74.76	4.381		
8,400.0	6,334.0	8,371.2	6,332.0	39.2	39.5	90.00	1,726.5	-119.7	327.5	249.2	78.28	4.183		
8,500.0	6,334.0	8,471.2	6,332.0	41.0	41.3	90.00	1,826.4	-118.7	327.4	245.6	81.83	4.001		
8,600.0	6,334.0	8,571.2	6,332.0	42.7	43.1	90.00	1,926.4	-117.7	327.3	241.9	85.40	3.833		
8,700.0	6,334.0	8,671.2	6,332.0	44.5	44.9	90.00	2,026.4	-116.7	327.3	238.3	89.00	3.677		
8,800.0	6,334.0	8,771.2	6,332.0	46.3	46.7	90.00	2,126.4	-115.7	327.2	234.6	92.61	3.533		
8,900.0	6,334.0	8,871.2	6,332.0	48.1	48.5	90.00	2,226.4	-114.7	327.2	230.9	96.24	3.399		
9,000.0	6,334.0	8,971.2	6,332.0	49.9	50.3	90.00	2,326.4	-113.7	327.1	227.2	99.89	3.275		
9,100.0	6,334.0	9,071.2	6,332.0	51.7	52.2	90.00	2,426.4	-112.7	327.0	223.5	103.55	3.158		
9,200.0	6,334.0	9,171.2	6,332.0	53.5	54.0	90.00	2,526.4	-111.7	327.0	219.8	107.22	3.050		
9,300.0	6,334.0	9,271.2	6,332.0	55.4	55.8	90.00	2,626.4	-110.7	326.9	216.0	110.90	2.948		
9,400.0	6,334.0	9,371.2	6,332.0	57.2	57.7	90.00	2,726.4	-109.7	326.9	212.3	114.60	2.852		
9,500.0	6,334.0	9,471.2	6,332.0	59.1	59.6	90.00	2,826.4	-108.7	326.8	208.5	118.30	2.762		
9,600.0	6,334.0	9,571.2	6,332.0	60.9	61.4	90.00	2,926.4	-107.7	326.7	204.7	122.01	2.678		
9,700.0	6,334.0	9,671.2	6,332.0	62.8	63.3	90.00	3,026.4	-106.7	326.7	200.9	125.73	2.598		
9,800.0	6,334.0	9,771.2	6,332.0	64.6	65.1	90.00	3,126.4	-105.7	326.6	197.2	129.45	2.523		
9,900.0	6,334.0	9,871.2	6,332.0	66.5	67.0	90.00	3,226.4	-104.7	326.6	193.4	133.18	2.452		
10,000.0	6,334.0	9,971.2	6,332.0	68.3	68.9	90.00	3,326.4	-103.7	326.5	189.6	136.92	2.385		

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

<b>Company:</b>	BONANZA CREEK ENERGY OPERATING	<b>Local Co-ordinate Reference:</b>	Well State North Platte O24-K21-26HNB
<b>Project:</b>	SEC.26-T5N-R63W	<b>TVD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Reference Site:</b>	State North Platte 24-21-26HNB Sec.26-T5N-R63W	<b>MD Reference:</b>	WELL @ 4566.0ft (RKB-15')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	State North Platte O24-K21-26HNB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #2 (7-10-13)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> State North Platte 24-21-26HNB Sec.26-T5N-R63W - State North Platte O-K-26HNB - Wellbore #1 - Pla													<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD													<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis		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)						
10,100.0	6,334.0	10,071.2	6,332.0	70.2	70.7	90.00	3,426.4	-102.7	326.4	185.8	140.66	2.321		
10,200.0	6,334.0	10,171.2	6,332.0	72.1	72.6	90.00	3,526.4	-101.7	326.4	182.0	144.41	2.260		
10,300.0	6,334.0	10,271.2	6,332.0	73.9	74.5	90.00	3,626.4	-100.7	326.3	178.2	148.16	2.202		
10,400.0	6,334.0	10,371.2	6,332.0	75.8	76.4	90.00	3,726.4	-99.7	326.3	174.3	151.92	2.148		
10,500.0	6,334.0	10,471.2	6,332.0	77.7	78.3	90.00	3,826.3	-98.7	326.2	170.5	155.68	2.095		
10,600.0	6,334.0	10,571.2	6,332.0	79.5	80.1	90.00	3,926.3	-97.7	326.1	166.7	159.44	2.046		
10,700.0	6,334.0	10,671.2	6,332.0	81.4	82.0	90.00	4,026.3	-96.7	326.1	162.9	163.21	1.998		
10,800.0	6,334.0	10,771.2	6,332.0	83.3	83.9	90.00	4,126.3	-95.7	326.0	159.0	166.98	1.953		
10,889.1	6,334.0	10,860.4	6,332.0	85.0	85.6	90.00	4,215.5	-94.8	326.0	155.6	170.34	1.914 SF		


Coordinates are relative to: State North Platte O24-K21-26HNB  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.71°



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

Coordinates are relative to: State North Platte O24-K21-26HNB  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.71°



3. Wellbore #1, Plan #2 (7-10-13) VO  State North Platte 024-K21-26HNC, Wellbore #1, Plan #2 (7-10-13) VO