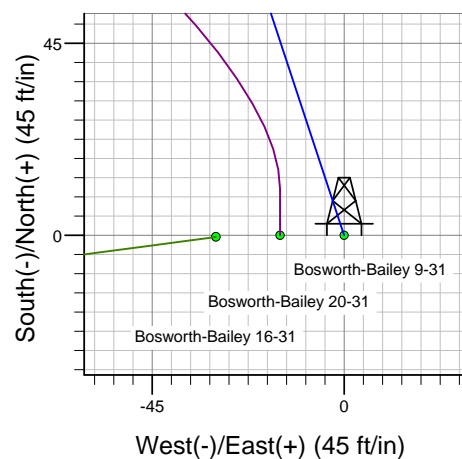
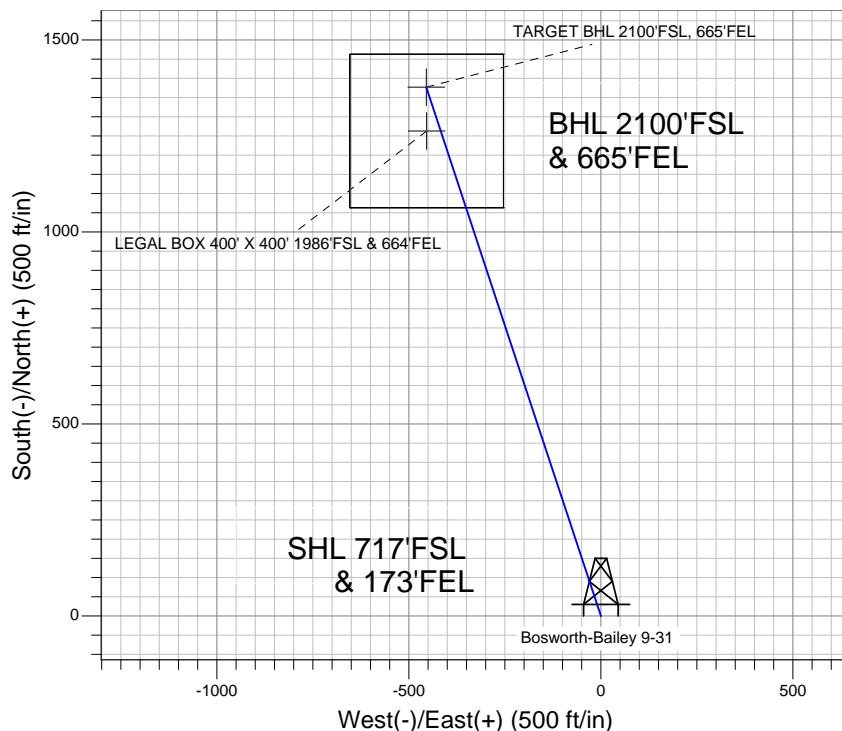
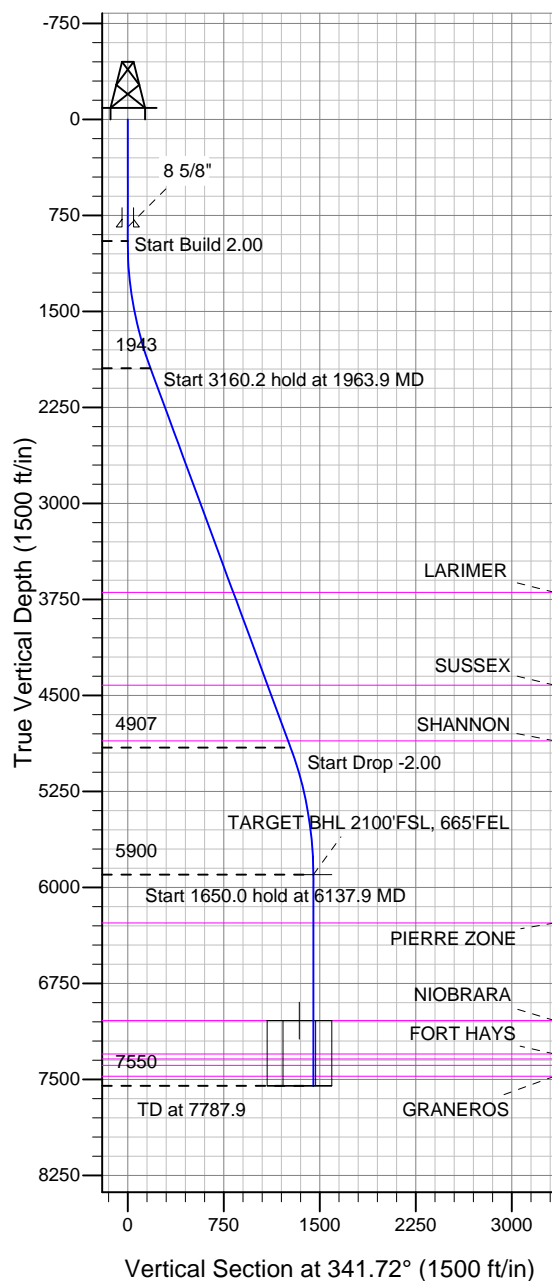


### Well Name: Bosworth-Bailey 9-31

Surface Location: Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W  
 North American Datum 1983, US State Plane 1983 Colorado Northern Zone  
 Ground Elevation: 4875.0  
 +N/-S 0.0 +E/-W 0.0 Northing 1435057.26 Easting 3190790.05 Latitude 40.525606 Longitude -104.813684 Slot  
 Original Well EleWELL @ 4885.0ft (Original Well Elev)

## BAYSWATER EXPLORATION & PRODUCTION



Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W  
 Bosworth-Bailey 9-31  
 Plan #1 (10-24-11)  
 15:52, October 24 2011



Azimuths to True North  
 Magnetic North: 8.85°  
 Magnetic Field  
 Strength: 53153.7snT  
 Dip Angle: 67.13°  
 Date: 10/24/2011  
 Model: IGRF2010

### WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 2100'FSL, 665'FEL	5900.0	1377.1	-454.8	40.529386	-104.815320	Point
LEGAL BOX 400' X 400' 1986'FSL & 664'FEL	7040.0	1263.1	-453.8	40.529073	-104.815316	Rectangle (Sides: L400.0 W400.0)

### 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	950.0	0.00	0.00	950.0	0.0	0.0	0.00	0.00	0.0	
3	1963.9	20.28	341.72	1942.8	168.6	-55.7	2.00	341.72	177.5	
4	5124.0	20.28	341.72	4907.2	1208.6	-399.1	0.00	0.00	1272.7	
5	6137.9	0.00	0.00	5900.0	1377.1	-454.8	2.00	180.00	1450.3	TARGET BHL 2100'FSL, 665'FEL
6	7787.9	0.00	0.00	7550.0	1377.1	-454.8	0.00	0.00	1450.3	



**Directional**

# **BAYSWATER EXPLORATION & PRODUCTION**

**SEC.31-T7N-R66W**

**Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W**

**Bosworth-Bailey 9-31**

**Wellbore #1**

**Plan: Plan #1 (10-24-11)**

## **Standard Planning Report**

**24 October, 2011**

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>TVD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Project:</b>	SEC.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (10-24-11)		

<b>Project</b>	SEC.31-T7N-R66W, Weld County, Colorado		
<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						Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W											
Site Position:						Northing:			1,435,057.26ft			Latitude:			40.525606		
From:			Lat/Long			Easting:			3,190,790.05ft			Longitude:			-104.813684		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.44 °		

Well	Bosworth-Bailey 9-31					
Well Position	+N-S	0.0 ft	Northing:	1,435,057.26 ft	Latitude:	40.525606
	+E-W	0.0 ft	Easting:	3,190,790.05 ft	Longitude:	-104.813684
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,875.0 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	10/24/2011	8.85	67.13	53,154

<b>Design</b>	Plan #1 (10-24-11)			
<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	341.72

<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	
950.0	0.00	0.00	950.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,963.9	20.28	341.72	1,942.8	168.6	-55.7	2.00	2.00	0.00	341.72	
5,124.0	20.28	341.72	4,907.2	1,208.6	-399.1	0.00	0.00	0.00	0.00	
6,137.9	0.00	0.00	5,900.0	1,377.1	-454.8	2.00	-2.00	0.00	180.00	TARGET BHL 210C
7,787.9	0.00	0.00	7,550.0	1,377.1	-454.8	0.00	0.00	0.00	0.00	

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>TVD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Project:</b>	SEC.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (10-24-11)		

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
40.0	0.00	0.00	40.0	0.0	0.0	0.0	0.00	0.00	0.00
80.0	0.00	0.00	80.0	0.0	0.0	0.0	0.00	0.00	0.00
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00
160.0	0.00	0.00	160.0	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
240.0	0.00	0.00	240.0	0.0	0.0	0.0	0.00	0.00	0.00
280.0	0.00	0.00	280.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
360.0	0.00	0.00	360.0	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
440.0	0.00	0.00	440.0	0.0	0.0	0.0	0.00	0.00	0.00
480.0	0.00	0.00	480.0	0.0	0.0	0.0	0.00	0.00	0.00
520.0	0.00	0.00	520.0	0.0	0.0	0.0	0.00	0.00	0.00
560.0	0.00	0.00	560.0	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
640.0	0.00	0.00	640.0	0.0	0.0	0.0	0.00	0.00	0.00
680.0	0.00	0.00	680.0	0.0	0.0	0.0	0.00	0.00	0.00
720.0	0.00	0.00	720.0	0.0	0.0	0.0	0.00	0.00	0.00
760.0	0.00	0.00	760.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
840.0	0.00	0.00	840.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>8 5/8"</b>									
880.0	0.00	0.00	880.0	0.0	0.0	0.0	0.00	0.00	0.00
920.0	0.00	0.00	920.0	0.0	0.0	0.0	0.00	0.00	0.00
950.0	0.00	0.00	950.0	0.0	0.0	0.0	0.00	0.00	0.00
960.0	0.20	341.72	960.0	0.0	0.0	0.0	2.00	2.00	0.00
1,000.0	1.00	341.72	1,000.0	0.4	-0.1	0.4	2.00	2.00	0.00
1,040.0	1.80	341.72	1,040.0	1.3	-0.4	1.4	2.00	2.00	0.00
1,080.0	2.60	341.72	1,080.0	2.8	-0.9	2.9	2.00	2.00	0.00
1,120.0	3.40	341.72	1,119.9	4.8	-1.6	5.0	2.00	2.00	0.00
1,160.0	4.20	341.72	1,159.8	7.3	-2.4	7.7	2.00	2.00	0.00
1,200.0	5.00	341.72	1,199.7	10.4	-3.4	10.9	2.00	2.00	0.00
1,240.0	5.80	341.72	1,239.5	13.9	-4.6	14.7	2.00	2.00	0.00
1,280.0	6.60	341.72	1,279.3	18.0	-6.0	19.0	2.00	2.00	0.00
1,320.0	7.40	341.72	1,319.0	22.7	-7.5	23.9	2.00	2.00	0.00
1,360.0	8.20	341.72	1,358.6	27.8	-9.2	29.3	2.00	2.00	0.00
1,400.0	9.00	341.72	1,398.2	33.5	-11.1	35.3	2.00	2.00	0.00
1,440.0	9.80	341.72	1,437.6	39.7	-13.1	41.8	2.00	2.00	0.00
1,480.0	10.60	341.72	1,477.0	46.4	-15.3	48.9	2.00	2.00	0.00
1,520.0	11.40	341.72	1,516.2	53.7	-17.7	56.5	2.00	2.00	0.00
1,560.0	12.20	341.72	1,555.4	61.4	-20.3	64.7	2.00	2.00	0.00
1,600.0	13.00	341.72	1,594.4	69.7	-23.0	73.4	2.00	2.00	0.00
1,640.0	13.80	341.72	1,633.3	78.5	-25.9	82.7	2.00	2.00	0.00
1,680.0	14.60	341.72	1,672.1	87.8	-29.0	92.5	2.00	2.00	0.00
1,720.0	15.40	341.72	1,710.8	97.7	-32.3	102.9	2.00	2.00	0.00
1,760.0	16.20	341.72	1,749.3	108.0	-35.7	113.7	2.00	2.00	0.00
1,800.0	17.00	341.72	1,787.6	118.9	-39.3	125.2	2.00	2.00	0.00
1,840.0	17.80	341.72	1,825.8	130.2	-43.0	137.1	2.00	2.00	0.00
1,880.0	18.60	341.72	1,863.8	142.1	-46.9	149.6	2.00	2.00	0.00
1,920.0	19.40	341.72	1,901.6	154.5	-51.0	162.7	2.00	2.00	0.00
1,960.0	20.20	341.72	1,939.2	167.3	-55.3	176.2	2.00	2.00	0.00
1,963.9	20.28	341.72	1,942.8	168.6	-55.7	177.5	2.00	2.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>TVD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Project:</b>	SEC.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (10-24-11)		

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)
2,000.0	20.28	341.72	1,976.7	180.5	-59.6	190.1	0.00	0.00	0.00
2,040.0	20.28	341.72	2,014.2	193.6	-63.9	203.9	0.00	0.00	0.00
2,080.0	20.28	341.72	2,051.8	206.8	-68.3	217.8	0.00	0.00	0.00
2,120.0	20.28	341.72	2,089.3	220.0	-72.6	231.7	0.00	0.00	0.00
2,160.0	20.28	341.72	2,126.8	233.1	-77.0	245.5	0.00	0.00	0.00
2,200.0	20.28	341.72	2,164.3	246.3	-81.3	259.4	0.00	0.00	0.00
2,240.0	20.28	341.72	2,201.9	259.5	-85.7	273.2	0.00	0.00	0.00
2,280.0	20.28	341.72	2,239.4	272.6	-90.0	287.1	0.00	0.00	0.00
2,320.0	20.28	341.72	2,276.9	285.8	-94.4	301.0	0.00	0.00	0.00
2,360.0	20.28	341.72	2,314.4	298.9	-98.7	314.8	0.00	0.00	0.00
2,400.0	20.28	341.72	2,351.9	312.1	-103.1	328.7	0.00	0.00	0.00
2,440.0	20.28	341.72	2,389.5	325.3	-107.4	342.6	0.00	0.00	0.00
2,480.0	20.28	341.72	2,427.0	338.4	-111.8	356.4	0.00	0.00	0.00
2,520.0	20.28	341.72	2,464.5	351.6	-116.1	370.3	0.00	0.00	0.00
2,560.0	20.28	341.72	2,502.0	364.8	-120.5	384.1	0.00	0.00	0.00
2,600.0	20.28	341.72	2,539.5	377.9	-124.8	398.0	0.00	0.00	0.00
2,640.0	20.28	341.72	2,577.1	391.1	-129.2	411.9	0.00	0.00	0.00
2,680.0	20.28	341.72	2,614.6	404.3	-133.5	425.7	0.00	0.00	0.00
2,720.0	20.28	341.72	2,652.1	417.4	-137.8	439.6	0.00	0.00	0.00
2,760.0	20.28	341.72	2,689.6	430.6	-142.2	453.5	0.00	0.00	0.00
2,800.0	20.28	341.72	2,727.1	443.7	-146.5	467.3	0.00	0.00	0.00
2,840.0	20.28	341.72	2,764.7	456.9	-150.9	481.2	0.00	0.00	0.00
2,880.0	20.28	341.72	2,802.2	470.1	-155.2	495.0	0.00	0.00	0.00
2,920.0	20.28	341.72	2,839.7	483.2	-159.6	508.9	0.00	0.00	0.00
2,960.0	20.28	341.72	2,877.2	496.4	-163.9	522.8	0.00	0.00	0.00
3,000.0	20.28	341.72	2,914.8	509.6	-168.3	536.6	0.00	0.00	0.00
3,040.0	20.28	341.72	2,952.3	522.7	-172.6	550.5	0.00	0.00	0.00
3,080.0	20.28	341.72	2,989.8	535.9	-177.0	564.4	0.00	0.00	0.00
3,120.0	20.28	341.72	3,027.3	549.1	-181.3	578.2	0.00	0.00	0.00
3,160.0	20.28	341.72	3,064.8	562.2	-185.7	592.1	0.00	0.00	0.00
3,200.0	20.28	341.72	3,102.4	575.4	-190.0	605.9	0.00	0.00	0.00
3,240.0	20.28	341.72	3,139.9	588.5	-194.4	619.8	0.00	0.00	0.00
3,280.0	20.28	341.72	3,177.4	601.7	-198.7	633.7	0.00	0.00	0.00
3,320.0	20.28	341.72	3,214.9	614.9	-203.1	647.5	0.00	0.00	0.00
3,360.0	20.28	341.72	3,252.4	628.0	-207.4	661.4	0.00	0.00	0.00
3,400.0	20.28	341.72	3,290.0	641.2	-211.7	675.3	0.00	0.00	0.00
3,440.0	20.28	341.72	3,327.5	654.4	-216.1	689.1	0.00	0.00	0.00
3,480.0	20.28	341.72	3,365.0	667.5	-220.4	703.0	0.00	0.00	0.00
3,520.0	20.28	341.72	3,402.5	680.7	-224.8	716.8	0.00	0.00	0.00
3,560.0	20.28	341.72	3,440.0	693.8	-229.1	730.7	0.00	0.00	0.00
3,600.0	20.28	341.72	3,477.6	707.0	-233.5	744.6	0.00	0.00	0.00
3,640.0	20.28	341.72	3,515.1	720.2	-237.8	758.4	0.00	0.00	0.00
3,680.0	20.28	341.72	3,552.6	733.3	-242.2	772.3	0.00	0.00	0.00
3,720.0	20.28	341.72	3,590.1	746.5	-246.5	786.2	0.00	0.00	0.00
3,760.0	20.28	341.72	3,627.7	759.7	-250.9	800.0	0.00	0.00	0.00
3,800.0	20.28	341.72	3,665.2	772.8	-255.2	813.9	0.00	0.00	0.00
3,831.8	20.28	341.72	3,695.0	783.3	-258.7	824.9	0.00	0.00	0.00
LARIMER									
3,840.0	20.28	341.72	3,702.7	786.0	-259.6	827.7	0.00	0.00	0.00
3,880.0	20.28	341.72	3,740.2	799.2	-263.9	841.6	0.00	0.00	0.00
3,920.0	20.28	341.72	3,777.7	812.3	-268.3	855.5	0.00	0.00	0.00
3,960.0	20.28	341.72	3,815.3	825.5	-272.6	869.3	0.00	0.00	0.00
4,000.0	20.28	341.72	3,852.8	838.6	-277.0	883.2	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>TVD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Project:</b>	SEC.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (10-24-11)		

#### 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)
4,040.0	20.28	341.72	3,890.3	851.8	-281.3	897.1	0.00	0.00	0.00
4,080.0	20.28	341.72	3,927.8	865.0	-285.7	910.9	0.00	0.00	0.00
4,120.0	20.28	341.72	3,965.3	878.1	-290.0	924.8	0.00	0.00	0.00
4,160.0	20.28	341.72	4,002.9	891.3	-294.3	938.6	0.00	0.00	0.00
4,200.0	20.28	341.72	4,040.4	904.5	-298.7	952.5	0.00	0.00	0.00
4,240.0	20.28	341.72	4,077.9	917.6	-303.0	966.4	0.00	0.00	0.00
4,280.0	20.28	341.72	4,115.4	930.8	-307.4	980.2	0.00	0.00	0.00
4,320.0	20.28	341.72	4,152.9	944.0	-311.7	994.1	0.00	0.00	0.00
4,360.0	20.28	341.72	4,190.5	957.1	-316.1	1,008.0	0.00	0.00	0.00
4,400.0	20.28	341.72	4,228.0	970.3	-320.4	1,021.8	0.00	0.00	0.00
4,440.0	20.28	341.72	4,265.5	983.4	-324.8	1,035.7	0.00	0.00	0.00
4,480.0	20.28	341.72	4,303.0	996.6	-329.1	1,049.5	0.00	0.00	0.00
4,520.0	20.28	341.72	4,340.6	1,009.8	-333.5	1,063.4	0.00	0.00	0.00
4,560.0	20.28	341.72	4,378.1	1,022.9	-337.8	1,077.3	0.00	0.00	0.00
4,600.0	20.28	341.72	4,415.6	1,036.1	-342.2	1,091.1	0.00	0.00	0.00
4,604.7	20.28	341.72	4,420.0	1,037.6	-342.7	1,092.8	0.00	0.00	0.00
<b>SUSSEX</b>									
4,640.0	20.28	341.72	4,453.1	1,049.3	-346.5	1,105.0	0.00	0.00	0.00
4,680.0	20.28	341.72	4,490.6	1,062.4	-350.9	1,118.9	0.00	0.00	0.00
4,720.0	20.28	341.72	4,528.2	1,075.6	-355.2	1,132.7	0.00	0.00	0.00
4,760.0	20.28	341.72	4,565.7	1,088.8	-359.6	1,146.6	0.00	0.00	0.00
4,800.0	20.28	341.72	4,603.2	1,101.9	-363.9	1,160.4	0.00	0.00	0.00
4,840.0	20.28	341.72	4,640.7	1,115.1	-368.2	1,174.3	0.00	0.00	0.00
4,880.0	20.28	341.72	4,678.2	1,128.2	-372.6	1,188.2	0.00	0.00	0.00
4,920.0	20.28	341.72	4,715.8	1,141.4	-376.9	1,202.0	0.00	0.00	0.00
4,960.0	20.28	341.72	4,753.3	1,154.6	-381.3	1,215.9	0.00	0.00	0.00
5,000.0	20.28	341.72	4,790.8	1,167.7	-385.6	1,229.8	0.00	0.00	0.00
5,040.0	20.28	341.72	4,828.3	1,180.9	-390.0	1,243.6	0.00	0.00	0.00
5,068.4	20.28	341.72	4,855.0	1,190.3	-393.1	1,253.5	0.00	0.00	0.00
<b>SHANNON</b>									
5,080.0	20.28	341.72	4,865.8	1,194.1	-394.3	1,257.5	0.00	0.00	0.00
5,120.0	20.28	341.72	4,903.4	1,207.2	-398.7	1,271.3	0.00	0.00	0.00
5,124.0	20.28	341.72	4,907.2	1,208.6	-399.1	1,272.7	0.00	0.00	0.00
5,160.0	19.56	341.72	4,941.0	1,220.2	-403.0	1,285.0	2.00	-2.00	0.00
5,200.0	18.76	341.72	4,978.8	1,232.6	-407.1	1,298.1	2.00	-2.00	0.00
5,240.0	17.96	341.72	5,016.7	1,244.6	-411.0	1,310.7	2.00	-2.00	0.00
5,280.0	17.16	341.72	5,054.9	1,256.1	-414.8	1,322.8	2.00	-2.00	0.00
5,320.0	16.36	341.72	5,093.2	1,267.0	-418.4	1,334.3	2.00	-2.00	0.00
5,360.0	15.56	341.72	5,131.6	1,277.5	-421.9	1,345.3	2.00	-2.00	0.00
5,400.0	14.76	341.72	5,170.2	1,287.4	-425.2	1,355.8	2.00	-2.00	0.00
5,440.0	13.96	341.72	5,209.0	1,296.8	-428.3	1,365.7	2.00	-2.00	0.00
5,480.0	13.16	341.72	5,247.9	1,305.7	-431.2	1,375.1	2.00	-2.00	0.00
5,520.0	12.36	341.72	5,286.9	1,314.1	-434.0	1,383.9	2.00	-2.00	0.00
5,560.0	11.56	341.72	5,326.0	1,322.0	-436.6	1,392.2	2.00	-2.00	0.00
5,600.0	10.76	341.72	5,365.2	1,329.3	-439.0	1,399.9	2.00	-2.00	0.00
5,640.0	9.96	341.72	5,404.6	1,336.2	-441.3	1,407.1	2.00	-2.00	0.00
5,680.0	9.16	341.72	5,444.0	1,342.5	-443.3	1,413.8	2.00	-2.00	0.00
5,720.0	8.36	341.72	5,483.6	1,348.2	-445.2	1,419.9	2.00	-2.00	0.00
5,760.0	7.56	341.72	5,523.2	1,353.5	-447.0	1,425.4	2.00	-2.00	0.00
5,800.0	6.76	341.72	5,562.9	1,358.2	-448.5	1,430.4	2.00	-2.00	0.00
5,840.0	5.96	341.72	5,602.6	1,362.4	-449.9	1,434.8	2.00	-2.00	0.00
5,880.0	5.16	341.72	5,642.4	1,366.1	-451.2	1,438.7	2.00	-2.00	0.00
5,920.0	4.36	341.72	5,682.3	1,369.3	-452.2	1,442.0	2.00	-2.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>TVD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Project:</b>	SEC.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (10-24-11)		

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)
5,960.0	3.56	341.72	5,722.2	1,371.9	-453.1	1,444.8	2.00	-2.00	0.00
6,000.0	2.76	341.72	5,762.1	1,374.0	-453.7	1,447.0	2.00	-2.00	0.00
6,040.0	1.96	341.72	5,802.1	1,375.5	-454.3	1,448.6	2.00	-2.00	0.00
6,080.0	1.16	341.72	5,842.1	1,376.6	-454.6	1,449.7	2.00	-2.00	0.00
6,120.0	0.36	341.72	5,882.1	1,377.1	-454.8	1,450.2	2.00	-2.00	0.00
6,137.9	0.00	0.00	5,900.0	1,377.1	-454.8	1,450.3	2.00	-2.00	0.00
TARGET BHL 2100'FSL, 665'FEL									
6,160.0	0.00	0.00	5,922.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,200.0	0.00	0.00	5,962.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,240.0	0.00	0.00	6,002.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,280.0	0.00	0.00	6,042.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,320.0	0.00	0.00	6,082.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,360.0	0.00	0.00	6,122.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,400.0	0.00	0.00	6,162.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,440.0	0.00	0.00	6,202.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,480.0	0.00	0.00	6,242.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,514.9	0.00	0.00	6,277.0	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
PIERRE ZONE									
6,520.0	0.00	0.00	6,282.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,560.0	0.00	0.00	6,322.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,362.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,640.0	0.00	0.00	6,402.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,680.0	0.00	0.00	6,442.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,720.0	0.00	0.00	6,482.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,760.0	0.00	0.00	6,522.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,800.0	0.00	0.00	6,562.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,840.0	0.00	0.00	6,602.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,880.0	0.00	0.00	6,642.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,920.0	0.00	0.00	6,682.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
6,960.0	0.00	0.00	6,722.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,762.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,040.0	0.00	0.00	6,802.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,080.0	0.00	0.00	6,842.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,120.0	0.00	0.00	6,882.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,160.0	0.00	0.00	6,922.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,200.0	0.00	0.00	6,962.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,240.0	0.00	0.00	7,002.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,277.9	0.00	0.00	7,040.0	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
NIOBRARA - LEGAL BOX 400' X 400' 1986'FSL & 664'FEL									
7,280.0	0.00	0.00	7,042.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,320.0	0.00	0.00	7,082.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,360.0	0.00	0.00	7,122.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,162.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,440.0	0.00	0.00	7,202.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,480.0	0.00	0.00	7,242.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,520.0	0.00	0.00	7,282.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,539.9	0.00	0.00	7,302.0	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
FORT HAYS									
7,560.0	0.00	0.00	7,322.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,577.9	0.00	0.00	7,340.0	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
CODELL									
7,600.0	0.00	0.00	7,362.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>TVD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Project:</b>	SEC.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (10-24-11)		

## 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)
7,627.9	0.00	0.00	7,390.0	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
GREENHORN									
7,640.0	0.00	0.00	7,402.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,680.0	0.00	0.00	7,442.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,713.9	0.00	0.00	7,476.0	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
GRANEROS									
7,720.0	0.00	0.00	7,482.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,760.0	0.00	0.00	7,522.1	1,377.1	-454.8	1,450.3	0.00	0.00	0.00
7,787.9	0.00	0.00	7,550.0	1,377.1	-454.8	1,450.3	0.00	0.00	0.00

## Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target - Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
LEGAL BOX 400' X 400' - plan misses target center by 114.0ft at 7277.9ft MD (7040.0 TVD, 1377.1 N, -454.8 E) - Rectangle (sides W400.0 H400.0 D510.0)	0.00	0.00	7,040.0	1,263.1	-453.8	1,436,316.77	3,190,326.51	40.529073	-104.815316
TARGET BHL 2100'F - plan hits target center - Point	0.00	0.00	5,900.0	1,377.1	-454.8	1,436,430.79	3,190,324.63	40.529386	-104.815320

## Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
840.0	840.0	8 5/8"	8-5/8	12-1/4

## Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,831.8	3,695.0	LARIMER		0.00	
4,604.7	4,420.0	SUSSEX		0.00	
5,068.4	4,855.0	SHANNON		0.00	
6,514.9	6,277.0	PIERRE ZONE		0.00	
7,277.9	7,040.0	NIOBRARA		0.00	
7,539.9	7,302.0	FORT HAYS		0.00	
7,577.9	7,340.0	CODELL		0.00	
7,627.9	7,390.0	GREENHORN		0.00	
7,713.9	7,476.0	GRANEROS		0.00	





**Directional**

# **BAYSWATER EXPLORATION & PRODUCTION**

**SEC.31-T7N-R66W**

**Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W**

**Bosworth-Bailey 9-31**

**Wellbore #1**

**Plan #1 (10-24-11)**

## **Anticollision Report**

**24 October, 2011**

<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
<b>Project:</b>	SEC.31-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Reference Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-24-11)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1 (10-24-11)		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	Stations	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>	<b>Date</b>	10/24/2011		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	7,787.9	Plan #1 (10-24-11) (Wellbore #1)	MWD	MWD - Standard

<b>Summary</b>						
<b>Site Name</b>	<b>Reference Measured Depth (ft)</b>	<b>Offset Measured Depth (ft)</b>	<b>Distance Between Centres (ft)</b>	<b>Distance Between Ellipses (ft)</b>	<b>Separation Factor</b>	<b>Warning</b>
<b>Offset Well - Wellbore - Design</b>						
Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W						
Bosworth-Bailey 16-31 - Wellbore #1 - Plan #1 (10-24-11)	1,178.0	1,177.7	28.6	23.6	5.647	CC
Bosworth-Bailey 16-31 - Wellbore #1 - Plan #1 (10-24-11)	1,200.0	1,199.7	28.7	23.5	5.550	ES, SF
Bosworth-Bailey 20-31 - Wellbore #1 - Plan #1 (10-24-11)	200.0	200.0	15.0	14.3	22.263	CC
Bosworth-Bailey 20-31 - Wellbore #1 - Plan #1 (10-24-11)	300.0	300.0	15.1	14.0	13.446	ES
Bosworth-Bailey 20-31 - Wellbore #1 - Plan #1 (10-24-11)	400.0	399.7	16.5	15.0	10.458	SF

<b>Offset Design</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W - Bosworth-Bailey 16-31 - Wellbore #1 - Plan #1 (10-24-11)										<b>Offset Site Error:</b>	0.0 ft
<b>Survey Program:</b>	0-MWD										<b>Offset Well Error:</b>	0.0 ft
<b>Reference</b>	<b>Offset</b>	<b>Semi Major Axis</b>			<b>Distance</b>				<b>Minimum Separation</b>	<b>Separation Factor</b>	<b>Warning</b>	
<b>Measured Depth (ft)</b>	<b>Vertical Depth (ft)</b>	<b>Measured Depth (ft)</b>	<b>Vertical Depth (ft)</b>	<b>Reference (ft)</b>	<b>Offset (ft)</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre +N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Between Centres (ft)</b>	<b>Between Ellipses (ft)</b>		
0.0	0.0	0.0	0.0	0.0	0.0	-90.70	-0.4	-30.0	30.0			
100.0	100.0	100.0	100.0	0.1	0.1	-90.70	-0.4	-30.0	30.0	29.8	0.22	133.591
200.0	200.0	200.0	200.0	0.3	0.3	-90.70	-0.4	-30.0	30.0	29.4	0.67	44.530
300.0	300.0	300.0	300.0	0.6	0.6	-90.70	-0.4	-30.0	30.0	28.9	1.12	26.718
400.0	400.0	400.0	400.0	0.8	0.8	-90.70	-0.4	-30.0	30.0	28.5	1.57	19.084
500.0	500.0	500.0	500.0	1.0	1.0	-90.70	-0.4	-30.0	30.0	28.0	2.02	14.843
600.0	600.0	600.0	600.0	1.2	1.2	-90.70	-0.4	-30.0	30.0	27.6	2.47	12.145
700.0	700.0	700.0	700.0	1.5	1.5	-90.70	-0.4	-30.0	30.0	27.1	2.92	10.276
800.0	800.0	800.0	800.0	1.7	1.7	-90.70	-0.4	-30.0	30.0	26.7	3.37	8.906
900.0	900.0	900.0	900.0	1.9	1.9	-90.70	-0.4	-30.0	30.0	26.2	3.82	7.858
950.0	950.0	950.0	950.0	2.0	2.0	-90.70	-0.4	-30.0	30.0	26.0	4.05	7.422
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-73.23	-0.4	-30.0	29.9	25.6	4.27	7.002
1,100.0	1,099.9	1,099.9	1,099.9	2.4	2.4	-79.84	-0.4	-30.0	29.1	24.4	4.72	6.166
1,178.0	1,177.7	1,177.7	1,177.7	2.5	2.5	-90.00	-0.4	-30.0	28.6	23.6	5.07	5.647 CC
1,200.0	1,199.7	1,199.7	1,199.7	2.6	2.6	-93.66	-0.4	-30.0	28.7	23.5	5.17	5.550 ES, SF
1,300.0	1,299.1	1,298.2	1,298.2	2.8	2.8	-111.25	-0.6	-31.7	32.6	27.0	5.61	5.804
1,400.0	1,398.2	1,396.2	1,396.1	3.1	3.0	-124.63	-1.3	-36.7	43.2	37.2	6.06	7.138
1,500.0	1,496.6	1,493.5	1,493.0	3.4	3.2	-132.20	-2.4	-44.9	59.7	53.1	6.51	9.162
1,600.0	1,594.4	1,589.8	1,588.6	3.7	3.4	-136.02	-3.9	-56.3	81.0	74.0	6.99	11.579
1,700.0	1,691.5	1,685.2	1,682.9	4.1	3.7	-137.84	-5.8	-70.6	106.6	99.1	7.51	14.196
1,800.0	1,787.6	1,780.9	1,777.3	4.5	3.9	-139.43	-7.8	-85.8	135.4	127.3	8.06	16.801

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

<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
<b>Project:</b>	SEC.31-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Reference Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-24-11)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W - Bosworth-Bailey 16-31 - Wellbore #1 - Plan #1 (10-24-11)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
1,900.0	1,882.7	1,875.7	1,870.9	5.0	4.2	-141.10	-9.8	-101.0	166.8	158.2	8.63	19.339		
1,963.9	1,942.8	1,935.7	1,930.1	5.4	4.4	-142.14	-11.1	-110.5	188.3	179.3	9.00	20.929		
2,000.0	1,976.7	1,969.5	1,963.5	5.6	4.5	-142.84	-11.8	-115.9	200.8	191.6	9.23	21.770		
2,100.0	2,070.5	2,063.1	2,055.9	6.2	4.8	-144.39	-13.8	-130.9	235.6	225.7	9.87	23.869		
2,200.0	2,164.3	2,156.7	2,148.3	6.8	5.1	-145.54	-15.8	-145.8	270.4	259.9	10.53	25.686		
2,300.0	2,258.1	2,250.3	2,240.6	7.4	5.4	-146.42	-17.8	-160.7	305.3	294.1	11.20	27.259		
2,400.0	2,351.9	2,343.9	2,333.0	8.0	5.8	-147.13	-19.8	-175.7	340.3	328.4	11.89	28.630		
2,500.0	2,445.7	2,437.5	2,425.4	8.7	6.1	-147.70	-21.8	-190.6	375.3	362.7	12.58	29.832		
2,600.0	2,539.5	2,531.2	2,517.8	9.3	6.4	-148.18	-23.8	-205.5	410.3	397.0	13.28	30.892		
2,700.0	2,633.3	2,624.8	2,610.2	10.0	6.7	-148.58	-25.8	-220.5	445.4	431.4	13.99	31.832		
2,800.0	2,727.1	2,718.4	2,702.6	10.7	7.1	-148.92	-27.8	-235.4	480.5	465.8	14.71	32.669		
2,900.0	2,821.0	2,812.0	2,795.0	11.3	7.4	-149.22	-29.8	-250.3	515.5	500.1	15.43	33.418		
3,000.0	2,914.8	2,905.6	2,887.4	12.0	7.7	-149.48	-31.8	-265.3	550.6	534.5	16.15	34.092		
3,100.0	3,008.6	2,999.2	2,979.8	12.7	8.1	-149.70	-33.8	-280.2	585.7	568.9	16.88	34.701		
3,200.0	3,102.4	3,092.8	3,072.2	13.4	8.4	-149.91	-35.8	-295.2	620.9	603.2	17.61	35.254		
3,300.0	3,196.2	3,186.4	3,164.6	14.0	8.8	-150.09	-37.8	-310.1	656.0	637.6	18.35	35.757		
3,400.0	3,290.0	3,280.1	3,257.0	14.7	9.1	-150.25	-39.7	-325.0	691.1	672.0	19.08	36.216		
3,500.0	3,383.8	3,373.7	3,349.4	15.4	9.5	-150.39	-41.7	-340.0	726.2	706.4	19.82	36.638		
3,600.0	3,477.6	3,467.3	3,441.7	16.1	9.8	-150.53	-43.7	-354.9	761.3	740.8	20.56	37.026		
3,700.0	3,571.4	3,560.9	3,534.1	16.8	10.2	-150.65	-45.7	-369.8	796.5	775.2	21.31	37.383		
3,800.0	3,665.2	3,654.5	3,626.5	17.5	10.5	-150.76	-47.7	-384.8	831.6	809.6	22.05	37.714		
3,900.0	3,759.0	3,748.1	3,718.9	18.1	10.9	-150.86	-49.7	-399.7	866.8	844.0	22.80	38.021		
4,000.0	3,852.8	3,841.7	3,811.3	18.8	11.2	-150.95	-51.7	-414.6	901.9	878.3	23.54	38.306		
4,100.0	3,946.6	3,935.3	3,903.7	19.5	11.6	-151.04	-53.7	-429.6	937.0	912.7	24.29	38.572		
4,200.0	4,040.4	4,029.0	3,996.1	20.2	11.9	-151.12	-55.7	-444.5	972.2	947.1	25.04	38.820		
4,300.0	4,134.2	4,128.1	4,094.0	20.9	12.2	-151.23	-57.7	-459.8	1,007.2	981.4	25.77	39.087		
4,400.0	4,228.0	4,232.4	4,197.5	21.6	12.5	-151.53	-59.4	-472.6	1,041.3	1,014.9	26.41	39.431		
4,500.0	4,321.8	4,337.0	4,301.7	22.3	12.7	-152.01	-60.7	-481.6	1,074.6	1,047.6	26.99	39.811		
4,600.0	4,415.6	4,441.6	4,406.1	23.0	12.9	-152.66	-61.4	-486.9	1,107.0	1,079.5	27.51	40.234		
4,700.0	4,509.4	4,544.8	4,509.4	23.6	13.1	-153.46	-61.6	-488.5	1,138.6	1,110.7	27.98	40.696		
4,800.0	4,603.2	4,638.6	4,603.2	24.3	13.2	-154.21	-61.6	-488.5	1,170.1	1,141.7	28.43	41.159		
4,900.0	4,697.0	4,732.4	4,697.0	25.0	13.4	-154.92	-61.6	-488.5	1,201.8	1,172.9	28.88	41.607		
5,000.0	4,790.8	4,826.3	4,790.8	25.7	13.5	-155.59	-61.6	-488.5	1,233.6	1,204.2	29.34	42.047		
5,100.0	4,884.6	4,920.1	4,884.6	26.4	13.7	-156.24	-61.6	-488.5	1,265.5	1,235.8	29.79	42.478		
5,124.0	4,907.2	4,942.6	4,907.2	26.6	13.7	-156.38	-61.6	-488.5	1,273.3	1,243.3	29.90	42.580		
5,200.0	4,978.8	5,014.2	4,978.8	27.0	13.8	-157.02	-61.6	-488.5	1,296.8	1,266.5	30.29	42.809		
5,300.0	5,074.0	5,109.4	5,074.0	27.5	14.0	-157.76	-61.6	-488.5	1,325.1	1,294.4	30.75	43.093		
5,400.0	5,170.2	5,205.7	5,170.2	28.0	14.1	-158.39	-61.6	-488.5	1,350.4	1,319.3	31.19	43.302		
5,500.0	5,267.3	5,302.8	5,267.3	28.4	14.3	-158.92	-61.6	-488.5	1,372.7	1,341.1	31.60	43.442		
5,600.0	5,365.2	5,400.7	5,365.2	28.7	14.5	-159.36	-61.6	-488.5	1,391.8	1,359.8	31.98	43.517		
5,700.0	5,463.8	5,499.2	5,463.8	29.0	14.7	-159.71	-61.6	-488.5	1,407.7	1,375.3	32.34	43.532		
5,800.0	5,562.9	5,598.3	5,562.9	29.3	14.8	-159.99	-61.6	-488.5	1,420.4	1,387.7	32.66	43.489		
5,900.0	5,662.4	5,697.8	5,662.4	29.5	15.0	-160.19	-61.6	-488.5	1,429.8	1,396.8	32.95	43.391		
6,000.0	5,762.1	5,797.6	5,762.1	29.7	15.2	-160.32	-61.6	-488.5	1,436.0	1,402.8	33.21	43.239		
6,100.0	5,862.1	5,897.5	5,862.1	29.8	15.4	-160.38	-61.6	-488.5	1,438.9	1,405.4	33.44	43.034		
6,137.9	5,900.0	5,935.4	5,900.0	29.8	15.4	-178.66	-61.6	-488.5	1,439.1	1,405.6	33.51	42.943		
6,200.0	5,962.1	5,997.5	5,962.1	29.9	15.5	-178.66	-61.6	-488.5	1,439.1	1,405.4	33.71	42.692		
6,300.0	6,062.1	6,097.5	6,062.1	30.0	15.7	-178.66	-61.6	-488.5	1,439.1	1,405.1	34.04	42.273		
6,400.0	6,162.1	6,197.5	6,162.1	30.1	15.9	-178.66	-61.6	-488.5	1,439.1	1,404.7	34.38	41.858		
6,500.0	6,262.1	6,297.5	6,262.1	30.2	16.1	-178.66	-61.6	-488.5	1,439.1	1,404.4	34.72	41.449		
6,600.0	6,362.1	6,397.5	6,362.1	30.3	16.3	-178.66	-61.6	-488.5	1,439.1	1,404.0	35.06	41.045		

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

<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
<b>Project:</b>	SEC.31-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Reference Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-24-11)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
6,700.0	6,462.1	6,497.5	6,462.1	30.4	16.5	-178.66	-61.6	-488.5	1,439.1	1,403.7	35.41	40.646		
6,800.0	6,562.1	6,597.5	6,562.1	30.5	16.6	-178.66	-61.6	-488.5	1,439.1	1,403.3	35.75	40.252		
6,900.0	6,662.1	6,697.5	6,662.1	30.6	16.8	-178.66	-61.6	-488.5	1,439.1	1,403.0	36.10	39.863		
7,000.0	6,762.1	6,797.5	6,762.1	30.7	17.0	-178.66	-61.6	-488.5	1,439.1	1,402.6	36.45	39.480		
7,100.0	6,862.1	6,897.5	6,862.1	30.8	17.2	-178.66	-61.6	-488.5	1,439.1	1,402.3	36.80	39.101		
7,200.0	6,962.1	6,997.5	6,962.1	30.9	17.4	-178.66	-61.6	-488.5	1,439.1	1,401.9	37.16	38.728		
7,300.0	7,062.1	7,097.5	7,062.1	31.0	17.6	-178.66	-61.6	-488.5	1,439.1	1,401.6	37.52	38.359		
7,400.0	7,162.1	7,197.5	7,162.1	31.1	17.8	-178.66	-61.6	-488.5	1,439.1	1,401.2	37.88	37.996		
7,500.0	7,262.1	7,297.5	7,262.1	31.2	18.0	-178.66	-61.6	-488.5	1,439.1	1,400.9	38.24	37.637		
7,600.0	7,362.1	7,397.5	7,362.1	31.3	18.2	-178.66	-61.6	-488.5	1,439.1	1,400.5	38.60	37.283		
7,700.0	7,462.1	7,497.5	7,462.1	31.4	18.4	-178.66	-61.6	-488.5	1,439.1	1,400.1	38.96	36.935		
7,787.9	7,550.0	7,585.4	7,550.0	31.5	18.5	-178.66	-61.6	-488.5	1,439.1	1,399.8	39.28	36.632		

<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
<b>Project:</b>	SEC.31-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Reference Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-24-11)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W - Bosworth-Bailey 20-31 - Wellbore #1 - Plan #1 (10-24-11)													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	-90.03	0.0	-15.0	15.0	15.0	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	-90.03	0.0	-15.0	15.0	14.8	0.22	66.790		
200.0	200.0	200.0	200.0	0.3	0.3	-90.03	0.0	-15.0	15.0	14.3	0.67	22.263 CC		
227.9	227.9	227.9	227.9	0.4	0.4	-89.51	0.1	-15.0	15.0	14.2	0.80	18.778		
300.0	300.0	300.0	299.9	0.6	0.6	-83.40	1.7	-15.0	15.1	14.0	1.12	13.446 ES		
400.0	400.0	399.7	399.5	0.8	0.8	-65.16	6.9	-15.0	16.5	15.0	1.58	10.458 SF		
500.0	500.0	498.8	498.3	1.0	1.0	-45.17	15.3	-15.4	21.8	19.7	2.05	10.636		
600.0	600.0	597.5	596.4	1.2	1.3	-36.38	25.2	-18.5	31.5	29.0	2.49	12.634		
700.0	700.0	695.6	693.7	1.5	1.6	-34.39	36.2	-24.8	44.3	41.4	2.94	15.074		
800.0	800.0	792.9	789.7	1.7	1.9	-35.13	48.3	-34.0	60.0	56.6	3.40	17.650		
900.0	900.0	889.1	884.3	1.9	2.2	-36.88	61.5	-46.2	78.5	74.6	3.87	20.290		
950.0	950.0	936.8	931.0	2.0	2.4	-37.88	68.5	-53.3	88.8	84.7	4.11	21.613		
1,000.0	1,000.0	984.3	977.2	2.1	2.6	-20.63	75.7	-61.1	99.5	95.2	4.33	22.988		
1,100.0	1,099.9	1,078.7	1,068.7	2.4	3.1	-23.09	90.9	-78.7	120.7	115.9	4.79	25.198		
1,200.0	1,199.7	1,172.3	1,158.7	2.6	3.6	-25.85	106.9	-99.0	141.9	136.7	5.26	26.983		
1,300.0	1,299.1	1,269.6	1,251.7	2.8	4.1	-28.75	124.3	-121.7	162.2	156.4	5.75	28.203		
1,400.0	1,398.2	1,367.6	1,345.4	3.1	4.7	-31.56	141.7	-144.6	179.8	173.6	6.25	28.750		
1,500.0	1,496.6	1,465.9	1,439.4	3.4	5.2	-34.42	159.3	-167.5	195.0	188.2	6.79	28.738		
1,600.0	1,594.4	1,564.5	1,533.6	3.7	5.8	-37.43	176.8	-190.5	207.9	200.6	7.37	28.218		
1,700.0	1,691.5	1,663.1	1,627.8	4.1	6.4	-40.65	194.4	-213.6	218.8	210.8	8.02	27.288		
1,800.0	1,787.6	1,761.7	1,722.1	4.5	7.0	-44.16	212.0	-236.6	227.8	219.0	8.76	26.004		
1,900.0	1,882.7	1,860.0	1,816.1	5.0	7.6	-48.00	229.5	-259.5	235.3	225.7	9.63	24.441		
1,963.9	1,942.8	1,922.8	1,876.1	5.4	8.0	-50.65	240.7	-274.2	239.6	229.3	10.26	23.339		
2,000.0	1,976.7	1,958.2	1,909.9	5.6	8.2	-52.21	247.0	-282.4	242.0	231.3	10.66	22.707		
2,100.0	2,070.5	2,056.3	2,003.7	6.2	8.8	-56.36	264.4	-305.3	249.5	237.7	11.80	21.139		
2,200.0	2,164.3	2,154.3	2,097.4	6.8	9.4	-60.26	281.9	-328.2	258.3	245.2	13.03	19.823		
2,300.0	2,258.1	2,252.4	2,191.2	7.4	10.0	-63.90	299.4	-351.1	268.2	253.9	14.32	18.735		
2,400.0	2,351.9	2,350.5	2,284.9	8.0	10.6	-67.27	316.9	-374.0	279.1	263.5	15.65	17.842		
2,500.0	2,445.7	2,448.5	2,378.6	8.7	11.2	-70.38	334.3	-396.9	291.0	274.0	17.00	17.113		
2,600.0	2,539.5	2,546.6	2,472.4	9.3	11.8	-73.25	351.8	-419.8	303.7	285.3	18.38	16.521		
2,700.0	2,633.3	2,644.7	2,566.1	10.0	12.4	-75.88	369.3	-442.7	317.0	297.2	19.76	16.040		
2,800.0	2,727.1	2,742.7	2,659.9	10.7	13.0	-78.31	386.8	-465.6	331.0	309.8	21.15	15.649		
2,900.0	2,821.0	2,840.8	2,753.6	11.3	13.6	-80.53	404.2	-488.5	345.5	323.0	22.54	15.331		
3,000.0	2,914.8	2,938.9	2,847.4	12.0	14.2	-82.58	421.7	-511.3	360.5	336.6	23.92	15.074		
3,100.0	3,008.6	3,036.9	2,941.1	12.7	14.8	-84.46	439.2	-534.2	375.9	350.6	25.29	14.865		
3,200.0	3,102.4	3,135.0	3,034.8	13.4	15.4	-86.20	456.7	-557.1	391.7	365.0	26.66	14.695		
3,300.0	3,196.2	3,233.1	3,128.6	14.0	16.0	-87.80	474.1	-580.0	407.8	379.8	28.01	14.558		
3,400.0	3,290.0	3,331.1	3,222.3	14.7	16.6	-89.28	491.6	-602.9	424.2	394.9	29.36	14.447		
3,500.0	3,383.8	3,429.2	3,316.1	15.4	17.2	-90.65	509.1	-625.8	440.9	410.2	30.71	14.359		
3,600.0	3,477.6	3,527.3	3,409.8	16.1	17.8	-91.92	526.5	-648.7	457.8	425.7	32.04	14.288		
3,700.0	3,571.4	3,625.3	3,503.6	16.8	18.4	-93.10	544.0	-671.6	474.9	441.5	33.37	14.232		
3,800.0	3,665.2	3,723.4	3,597.3	17.5	19.0	-94.20	561.5	-694.5	492.2	457.5	34.69	14.189		
3,900.0	3,759.0	3,821.5	3,691.1	18.1	19.6	-95.23	579.0	-717.4	509.6	473.6	36.00	14.156		
4,000.0	3,852.8	3,919.5	3,784.8	18.8	20.2	-96.18	596.4	-740.3	527.2	489.9	37.30	14.132		
4,100.0	3,946.6	4,017.6	3,878.5	19.5	20.8	-97.08	613.9	-763.1	544.9	506.3	38.61	14.115		
4,200.0	4,040.4	4,115.7	3,972.3	20.2	21.4	-97.92	631.4	-786.0	562.8	522.9	39.90	14.104		
4,300.0	4,134.2	4,213.7	4,066.0	20.9	22.1	-98.71	648.9	-808.9	580.7	539.5	41.19	14.098		
4,400.0	4,228.0	4,311.8	4,159.8	21.6	22.7	-99.45	666.3	-831.8	598.8	556.3	42.48	14.097		
4,500.0	4,321.8	4,409.9	4,253.5	22.3	23.3	-100.14	683.8	-854.7	617.0	573.2	43.76	14.099		
4,600.0	4,415.6	4,507.9	4,347.3	23.0	23.9	-100.80	701.3	-877.6	635.2	590.2	45.04	14.104		
4,700.0	4,509.4	4,606.0	4,441.0	23.6	24.5	-101.42	718.8	-900.5	653.5	607.2	46.31	14.111		

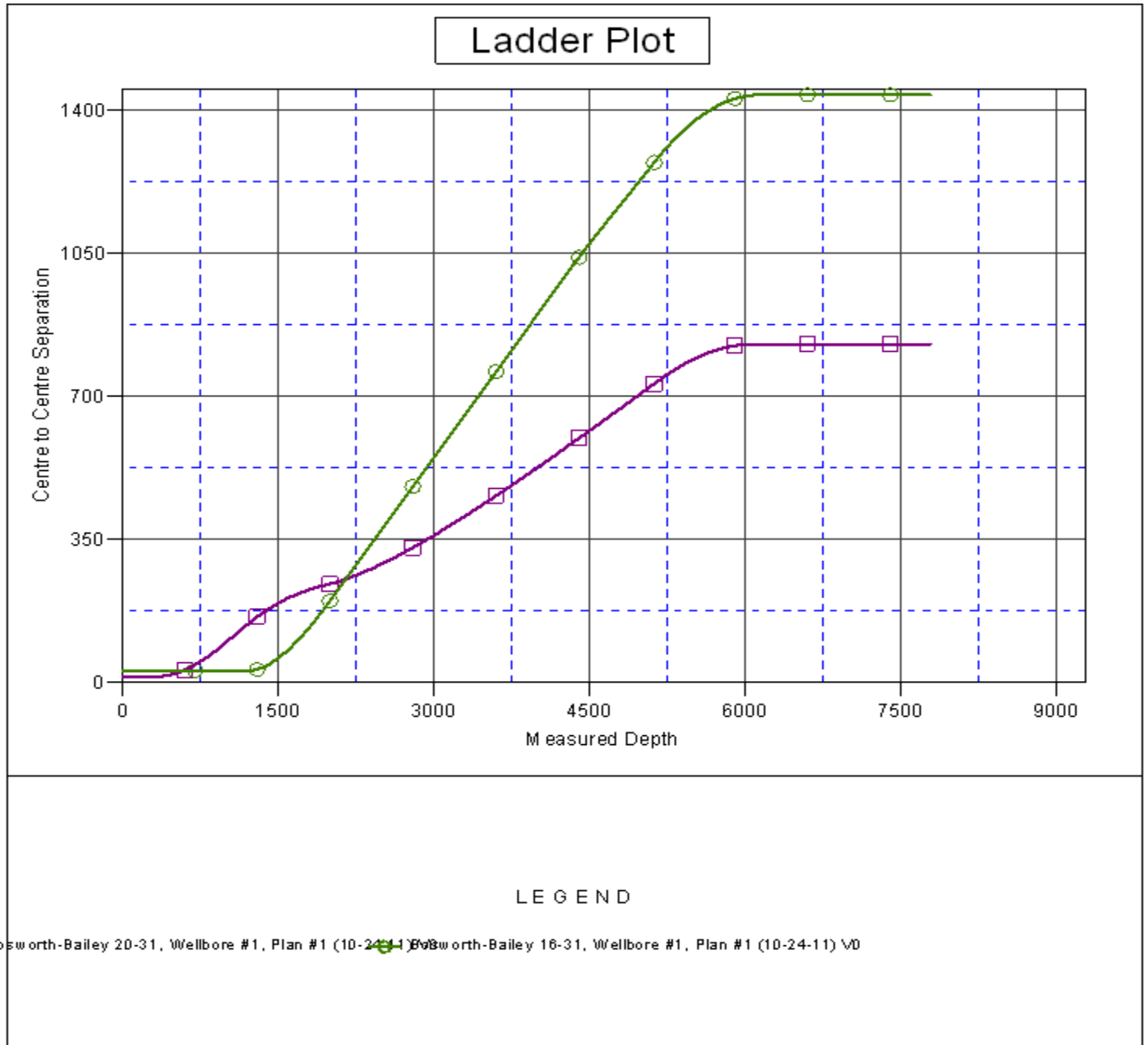
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
<b>Project:</b>	SEC.31-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Reference Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-24-11)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W - Bosworth-Bailey 20-31 - Wellbore #1 - Plan #1 (10-24-11)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.0	4,603.2	4,704.1	4,534.7	24.3	25.1	-102.01	736.2	-923.4	671.9	624.3	47.58	14.121		
4,900.0	4,697.0	4,802.1	4,628.5	25.0	25.7	-102.57	753.7	-946.3	690.3	641.5	48.85	14.132		
5,000.0	4,790.8	4,900.2	4,722.2	25.7	26.3	-103.09	771.2	-969.2	708.9	658.7	50.12	14.144		
5,100.0	4,884.6	4,998.3	4,816.0	26.4	26.9	-103.59	788.6	-992.1	727.4	676.0	51.38	14.158		
5,124.0	4,907.2	5,021.9	4,838.5	26.6	27.0	-103.71	792.8	-997.6	731.9	680.2	51.68	14.162		
5,200.0	4,978.8	5,096.4	4,909.8	27.0	27.5	-104.27	806.1	-1,015.0	745.8	693.2	52.60	14.177		
5,300.0	5,074.0	5,199.1	5,008.1	27.5	28.1	-104.78	824.2	-1,038.6	763.2	709.5	53.69	14.215		
5,400.0	5,170.2	5,306.9	5,112.3	28.0	28.6	-105.23	841.1	-1,060.7	778.8	724.2	54.62	14.259		
5,500.0	5,267.3	5,415.2	5,217.8	28.4	29.0	-105.64	855.6	-1,079.8	792.3	736.9	55.44	14.290		
5,600.0	5,365.2	5,523.8	5,324.5	28.7	29.3	-106.02	867.8	-1,095.7	803.7	747.6	56.17	14.309		
5,700.0	5,463.8	5,632.6	5,432.2	29.0	29.6	-106.38	877.5	-1,108.5	813.0	756.3	56.79	14.316		
5,800.0	5,562.9	5,741.7	5,540.6	29.3	29.9	-106.71	884.8	-1,118.0	820.2	762.9	57.31	14.313		
5,900.0	5,662.4	5,850.9	5,649.5	29.5	30.0	-107.02	889.5	-1,124.2	825.3	767.6	57.72	14.298		
6,000.0	5,762.1	5,960.1	5,758.6	29.7	30.2	-107.31	891.7	-1,127.1	828.2	770.2	58.03	14.272		
6,100.0	5,862.1	6,063.6	5,862.1	29.8	30.3	-107.52	891.9	-1,127.3	829.2	771.0	58.25	14.235		
6,137.9	5,900.0	6,101.5	5,900.0	29.8	30.3	-125.81	891.9	-1,127.3	829.3	771.0	58.32	14.220		
6,200.0	5,962.1	6,163.6	5,962.1	29.9	30.4	-125.81	891.9	-1,127.3	829.3	770.9	58.43	14.192		
6,300.0	6,062.1	6,263.6	6,062.1	30.0	30.5	-125.81	891.9	-1,127.3	829.3	770.7	58.62	14.146		
6,400.0	6,162.1	6,363.6	6,162.1	30.1	30.6	-125.81	891.9	-1,127.3	829.3	770.5	58.82	14.099		
6,500.0	6,262.1	6,463.6	6,262.1	30.2	30.6	-125.81	891.9	-1,127.3	829.3	770.3	59.01	14.053		
6,600.0	6,362.1	6,563.6	6,362.1	30.3	30.7	-125.81	891.9	-1,127.3	829.3	770.1	59.21	14.005		
6,700.0	6,462.1	6,663.6	6,462.1	30.4	30.8	-125.81	891.9	-1,127.3	829.3	769.9	59.42	13.958		
6,800.0	6,562.1	6,763.6	6,562.1	30.5	30.9	-125.81	891.9	-1,127.3	829.3	769.7	59.62	13.910		
6,900.0	6,662.1	6,863.6	6,662.1	30.6	31.0	-125.81	891.9	-1,127.3	829.3	769.5	59.83	13.862		
7,000.0	6,762.1	6,963.6	6,762.1	30.7	31.2	-125.81	891.9	-1,127.3	829.3	769.3	60.04	13.813		
7,100.0	6,862.1	7,063.6	6,862.1	30.8	31.3	-125.81	891.9	-1,127.3	829.3	769.1	60.25	13.764		
7,200.0	6,962.1	7,163.6	6,962.1	30.9	31.4	-125.81	891.9	-1,127.3	829.3	768.8	60.47	13.715		
7,300.0	7,062.1	7,263.6	7,062.1	31.0	31.5	-125.81	891.9	-1,127.3	829.3	768.6	60.68	13.666		
7,400.0	7,162.1	7,363.6	7,162.1	31.1	31.6	-125.81	891.9	-1,127.3	829.3	768.4	60.90	13.617		
7,500.0	7,262.1	7,463.6	7,262.1	31.2	31.7	-125.81	891.9	-1,127.3	829.3	768.2	61.13	13.567		
7,600.0	7,362.1	7,563.6	7,362.1	31.3	31.8	-125.81	891.9	-1,127.3	829.3	768.0	61.35	13.517		
7,700.0	7,462.1	7,663.6	7,462.1	31.4	31.9	-125.81	891.9	-1,127.3	829.3	767.7	61.58	13.467		
7,787.9	7,550.0	7,751.5	7,550.0	31.5	32.0	-125.81	891.9	-1,127.3	829.3	767.5	61.78	13.423		

<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
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<b>Reference Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-24-11)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 4885.0ft (Original Well Elev) Coordinates are relative to: Bosworth-Bailey 9-31  
 Offset Depths are relative to Offset Datum  
 Central Meridian is -105.500000 °  
 Coordinate System is US State Plane 1983, Colorado Northern Zone  
 Grid Convergence at Surface is: 0.44°



<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Bosworth-Bailey 9-31
<b>Project:</b>	SEC.31-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Reference Site:</b>	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	<b>MD Reference:</b>	WELL @ 4885.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bosworth-Bailey 9-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-24-11)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 4885.0ft (Original Well Elev) Coordinates are relative to: Bosworth-Bailey 9-31  
 Offset Depths are relative to Offset Datum  
 Coordinate System is US State Plane 1983, Colorado Northern Zone  
 Central Meridian is -105.500000 °  
 Grid Convergence at Surface is: 0.44°

