Bayswater Exploration & Production, LLC

Well Name: **Matrix O-29HN**

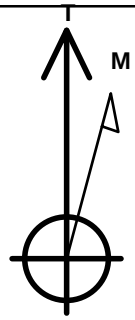
Surface Location: Matrix 29- Pad Sec.29-T6N-R65W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 4707.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	1408879.73	3225794.77	40.452941	-104.688632	

RKB - 22.5' WELL @ 4729.5ft (RKB - 22.5')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 546'FSL, 2250'FWL	1.0	0.0	0.0	Point
BHL 470'FNL, 1467'FEL	7020.0	4139.8	1495.9	Point



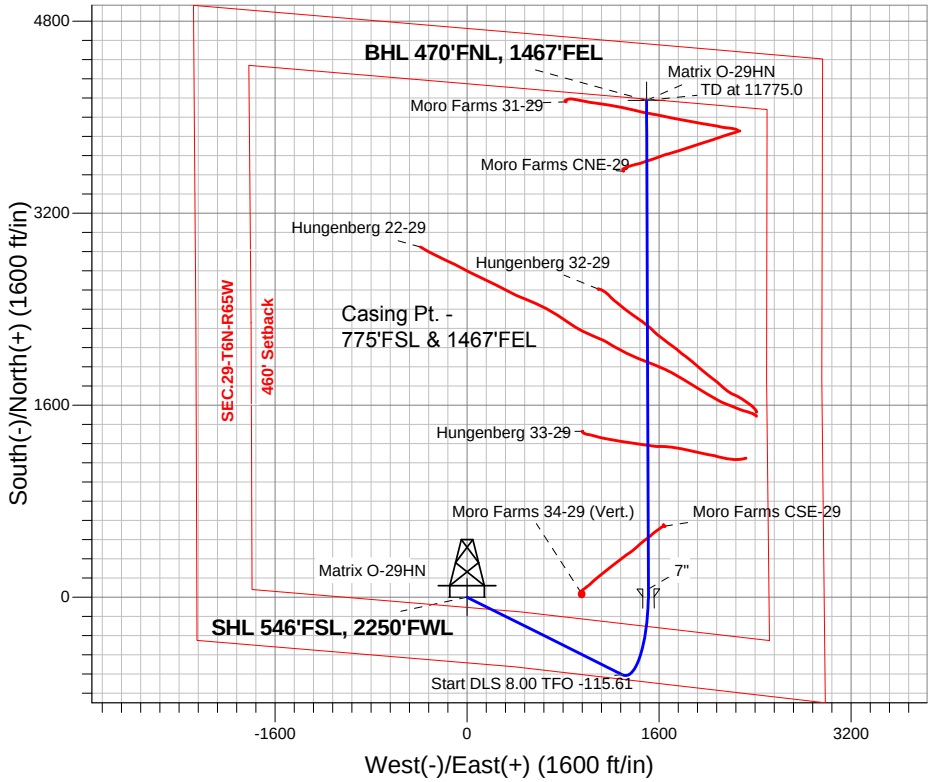
Azimuths to True North
Magnetic North: 8.38°

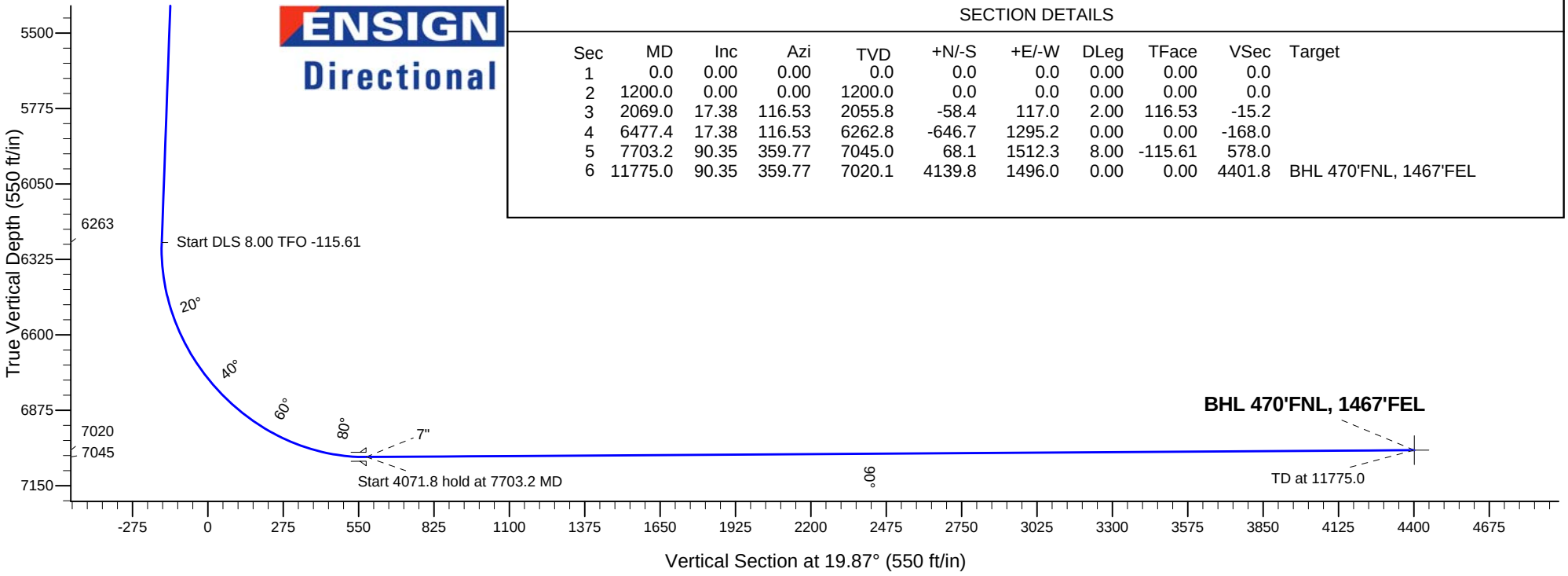
Magnetic Field
Strength: 52818.2snT
Dip Angle: 66.99°
Date: 10/9/2014
Model: IGRF2010

Matrix 29- Pad Sec.29-T6N-R65W
Matrix O-29HN
Plan #1 (10-08-14)
7:29, October 09 2014

ANNOTATIONS

TVD	MD	Annotation
1200.0	1200.0	Start Build 2.00
6262.8	6477.4	Start DLS 8.00 TFO -115.61
7045.0	7703.2	Start 4071.8 hold at 7703.2 MD
7020.1	11775.0	TD at 11775.0





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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	2069.0	17.38	116.53	2055.8	-58.4	117.0	2.00	116.53	-15.2	
4	6477.4	17.38	116.53	6262.8	-646.7	1295.2	0.00	0.00	-168.0	
5	7703.2	90.35	359.77	7045.0	68.1	1512.3	8.00	-115.61	578.0	
6	11775.0	90.35	359.77	7020.1	4139.8	1496.0	0.00	0.00	4401.8	BHL 470'FNL, 1467'FEL

ENSIGN Directional

Bayswater Exploration & Production, LLC

SEC.29-T6N-R65W
Matrix 29- Pad Sec.29-T6N-R65W
Matrix O-29HN

Wellbore #1

Plan: Plan #1 (10-08-14)

Standard Planning Report

09 October, 2014

BAYSWATER EXPLORATION & PRODUCTION, LLC

Database:	Landmark	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Project:	SEC.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	**North Reference:**	True
Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-08-14)		

Project SEC.29-T6N-R65W

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site Matrix 29- Pad Sec.29-T6N-R65W

Site Position:		**Northing:**	1,408,840.92 ft	**Latitude:**	40.452836
From:	Lat/Long	**Easting:**	3,225,730.56 ft	**Longitude:**	-104.688864
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.52 °

Well Matrix O-29HN

Well Position	**+N/-S**	38.2 ft	**Northing:**	1,408,879.73 ft	**Latitude:**	40.452941
	+E/-W	64.6 ft	**Easting:**	3,225,794.77 ft	**Longitude:**	-104.688632
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,707.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/9/2014	8.38	66.99	52,818

Design Plan #1 (10-08-14)

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	19.87

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,069.0	17.38	116.53	2,055.8	-58.4	117.0	2.00	2.00	0.00	116.53	
6,477.4	17.38	116.53	6,262.8	-646.7	1,295.2	0.00	0.00	0.00	0.00	
7,703.2	90.35	359.77	7,045.0	68.1	1,512.3	8.00	5.95	-9.53	-115.61	
11,775.0	90.35	359.77	7,020.1	4,139.8	1,496.0	0.00	0.00	0.00	0.00	BHL 470'FNL, 1467

Database:	Landmark	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Project:	SEC.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	**North Reference:**	True
Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-08-14)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 546'FSL, 2250'FWL									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,300.0	2.00	116.53	1,300.0	-0.8	1.6	-0.2	2.00	2.00	0.00
1,400.0	4.00	116.53	1,399.8	-3.1	6.2	-0.8	2.00	2.00	0.00
1,500.0	6.00	116.53	1,499.5	-7.0	14.0	-1.8	2.00	2.00	0.00
1,600.0	8.00	116.53	1,598.7	-12.5	24.9	-3.2	2.00	2.00	0.00
1,700.0	10.00	116.53	1,697.5	-19.4	38.9	-5.1	2.00	2.00	0.00
1,800.0	12.00	116.53	1,795.6	-28.0	56.0	-7.3	2.00	2.00	0.00
1,900.0	14.00	116.53	1,893.1	-38.0	76.1	-9.9	2.00	2.00	0.00
2,000.0	16.00	116.53	1,989.6	-49.6	99.3	-12.9	2.00	2.00	0.00
2,069.0	17.38	116.53	2,055.8	-58.4	117.0	-15.2	2.00	2.00	0.00
2,100.0	17.38	116.53	2,085.3	-62.6	125.3	-16.3	0.00	0.00	0.00
2,200.0	17.38	116.53	2,180.8	-75.9	152.0	-19.7	0.00	0.00	0.00
2,300.0	17.38	116.53	2,276.2	-89.3	178.8	-23.2	0.00	0.00	0.00
2,400.0	17.38	116.53	2,371.6	-102.6	205.5	-26.7	0.00	0.00	0.00
2,500.0	17.38	116.53	2,467.1	-115.9	232.2	-30.1	0.00	0.00	0.00
2,600.0	17.38	116.53	2,562.5	-129.3	258.9	-33.6	0.00	0.00	0.00
2,700.0	17.38	116.53	2,657.9	-142.6	285.7	-37.1	0.00	0.00	0.00
2,800.0	17.38	116.53	2,753.4	-156.0	312.4	-40.5	0.00	0.00	0.00
2,900.0	17.38	116.53	2,848.8	-169.3	339.1	-44.0	0.00	0.00	0.00
3,000.0	17.38	116.53	2,944.2	-182.7	365.8	-47.5	0.00	0.00	0.00
3,100.0	17.38	116.53	3,039.7	-196.0	392.6	-50.9	0.00	0.00	0.00
3,200.0	17.38	116.53	3,135.1	-209.3	419.3	-54.4	0.00	0.00	0.00
3,300.0	17.38	116.53	3,230.5	-222.7	446.0	-57.9	0.00	0.00	0.00
3,400.0	17.38	116.53	3,326.0	-236.0	472.7	-61.3	0.00	0.00	0.00
3,500.0	17.38	116.53	3,421.4	-249.4	499.5	-64.8	0.00	0.00	0.00
3,600.0	17.38	116.53	3,516.8	-262.7	526.2	-68.3	0.00	0.00	0.00
3,700.0	17.38	116.53	3,612.3	-276.1	552.9	-71.7	0.00	0.00	0.00
3,800.0	17.38	116.53	3,707.7	-289.4	579.6	-75.2	0.00	0.00	0.00
3,900.0	17.38	116.53	3,803.1	-302.8	606.4	-78.7	0.00	0.00	0.00
4,000.0	17.38	116.53	3,898.6	-316.1	633.1	-82.1	0.00	0.00	0.00
4,100.0	17.38	116.53	3,994.0	-329.4	659.8	-85.6	0.00	0.00	0.00
4,200.0	17.38	116.53	4,089.4	-342.8	686.5	-89.1	0.00	0.00	0.00
4,300.0	17.38	116.53	4,184.9	-356.1	713.3	-92.5	0.00	0.00	0.00
4,400.0	17.38	116.53	4,280.3	-369.5	740.0	-96.0	0.00	0.00	0.00
4,500.0	17.38	116.53	4,375.7	-382.8	766.7	-99.5	0.00	0.00	0.00
4,600.0	17.38	116.53	4,471.2	-396.2	793.4	-102.9	0.00	0.00	0.00
4,700.0	17.38	116.53	4,566.6	-409.5	820.2	-106.4	0.00	0.00	0.00
4,800.0	17.38	116.53	4,662.0	-422.9	846.9	-109.9	0.00	0.00	0.00
4,900.0	17.38	116.53	4,757.5	-436.2	873.6	-113.3	0.00	0.00	0.00

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Project:	SEC.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	**North Reference:**	True
Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-08-14)		

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)
5,000.0	17.38	116.53	4,852.9	-449.5	900.3	-116.8	0.00	0.00	0.00
5,100.0	17.38	116.53	4,948.3	-462.9	927.1	-120.3	0.00	0.00	0.00
5,200.0	17.38	116.53	5,043.8	-476.2	953.8	-123.7	0.00	0.00	0.00
5,300.0	17.38	116.53	5,139.2	-489.6	980.5	-127.2	0.00	0.00	0.00
5,400.0	17.38	116.53	5,234.7	-502.9	1,007.2	-130.7	0.00	0.00	0.00
5,500.0	17.38	116.53	5,330.1	-516.3	1,034.0	-134.1	0.00	0.00	0.00
5,600.0	17.38	116.53	5,425.5	-529.6	1,060.7	-137.6	0.00	0.00	0.00
5,700.0	17.38	116.53	5,521.0	-542.9	1,087.4	-141.1	0.00	0.00	0.00
5,800.0	17.38	116.53	5,616.4	-556.3	1,114.1	-144.5	0.00	0.00	0.00
5,900.0	17.38	116.53	5,711.8	-569.6	1,140.9	-148.0	0.00	0.00	0.00
6,000.0	17.38	116.53	5,807.3	-583.0	1,167.6	-151.5	0.00	0.00	0.00
6,100.0	17.38	116.53	5,902.7	-596.3	1,194.3	-154.9	0.00	0.00	0.00
6,200.0	17.38	116.53	5,998.1	-609.7	1,221.0	-158.4	0.00	0.00	0.00
6,300.0	17.38	116.53	6,093.6	-623.0	1,247.8	-161.9	0.00	0.00	0.00
6,400.0	17.38	116.53	6,189.0	-636.4	1,274.5	-165.3	0.00	0.00	0.00
6,477.4	17.38	116.53	6,262.9	-646.7	1,295.2	-168.0	0.00	0.00	0.00
Start DLS 8.00 TFO -115.61									
6,500.0	16.68	110.83	6,284.5	-649.3	1,301.2	-168.5	8.01	-3.12	-25.22
6,600.0	15.76	82.09	6,380.6	-652.6	1,328.1	-162.4	8.00	-0.91	-28.74
6,700.0	18.54	56.38	6,476.3	-641.9	1,354.9	-143.2	8.00	2.78	-25.72
6,800.0	23.75	39.35	6,569.6	-617.5	1,380.9	-111.4	8.00	5.20	-17.02
6,900.0	30.14	28.67	6,658.8	-579.8	1,405.8	-67.6	8.00	6.40	-10.69
7,000.0	37.12	21.56	6,742.0	-529.6	1,428.9	-12.5	8.00	6.98	-7.11
7,100.0	44.40	16.46	6,817.8	-467.9	1,450.0	52.7	8.00	7.28	-5.09
7,200.0	51.85	12.56	6,884.5	-395.9	1,468.5	126.7	8.00	7.46	-3.91
7,300.0	59.42	9.38	6,940.9	-314.9	1,484.1	208.2	8.00	7.56	-3.17
7,400.0	67.04	6.67	6,985.9	-226.6	1,496.4	295.5	8.00	7.63	-2.71
7,500.0	74.71	4.25	7,018.6	-132.6	1,505.4	386.9	8.00	7.67	-2.42
7,600.0	82.40	2.01	7,038.5	-34.8	1,510.7	480.7	8.00	7.69	-2.25
7,700.0	90.10	359.84	7,045.0	64.9	1,512.3	575.0	8.00	7.70	-2.17
7,703.2	90.35	359.77	7,045.0	68.1	1,512.3	578.0	8.00	7.70	-2.16
Start 4071.8 hold at 7703.2 MD - 7"									
7,800.0	90.35	359.77	7,044.4	164.9	1,511.9	668.9	0.00	0.00	0.00
7,900.0	90.35	359.77	7,043.8	264.9	1,511.5	762.8	0.00	0.00	0.00
8,000.0	90.35	359.77	7,043.2	364.9	1,511.1	856.7	0.00	0.00	0.00
8,100.0	90.35	359.77	7,042.6	464.9	1,510.7	950.6	0.00	0.00	0.00
8,200.0	90.35	359.77	7,042.0	564.9	1,510.3	1,044.5	0.00	0.00	0.00
8,300.0	90.35	359.77	7,041.4	664.9	1,509.9	1,138.4	0.00	0.00	0.00
8,400.0	90.35	359.77	7,040.7	764.9	1,509.5	1,232.4	0.00	0.00	0.00
8,500.0	90.35	359.77	7,040.1	864.9	1,509.1	1,326.3	0.00	0.00	0.00
8,600.0	90.35	359.77	7,039.5	964.9	1,508.7	1,420.2	0.00	0.00	0.00
8,700.0	90.35	359.77	7,038.9	1,064.9	1,508.3	1,514.1	0.00	0.00	0.00
8,800.0	90.35	359.77	7,038.3	1,164.9	1,507.9	1,608.0	0.00	0.00	0.00
8,900.0	90.35	359.77	7,037.7	1,264.9	1,507.5	1,701.9	0.00	0.00	0.00
9,000.0	90.35	359.77	7,037.1	1,364.9	1,507.1	1,795.8	0.00	0.00	0.00
9,100.0	90.35	359.77	7,036.5	1,464.8	1,506.7	1,889.7	0.00	0.00	0.00
9,200.0	90.35	359.77	7,035.9	1,564.8	1,506.3	1,983.6	0.00	0.00	0.00
9,300.0	90.35	359.77	7,035.2	1,664.8	1,505.9	2,077.5	0.00	0.00	0.00
9,400.0	90.35	359.77	7,034.6	1,764.8	1,505.5	2,171.4	0.00	0.00	0.00
9,500.0	90.35	359.77	7,034.0	1,864.8	1,505.1	2,265.3	0.00	0.00	0.00
9,600.0	90.35	359.77	7,033.4	1,964.8	1,504.7	2,359.3	0.00	0.00	0.00
9,700.0	90.35	359.77	7,032.8	2,064.8	1,504.3	2,453.2	0.00	0.00	0.00
9,800.0	90.35	359.77	7,032.2	2,164.8	1,503.9	2,547.1	0.00	0.00	0.00
9,900.0	90.35	359.77	7,031.6	2,264.8	1,503.5	2,641.0	0.00	0.00	0.00

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Project:	SEC.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	**North Reference:**	True
Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-08-14)		

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)
10,000.0	90.35	359.77	7,031.0	2,364.8	1,503.1	2,734.9	0.00	0.00	0.00
10,100.0	90.35	359.77	7,030.4	2,464.8	1,502.7	2,828.8	0.00	0.00	0.00
10,200.0	90.35	359.77	7,029.7	2,564.8	1,502.3	2,922.7	0.00	0.00	0.00
10,300.0	90.35	359.77	7,029.1	2,664.8	1,501.9	3,016.6	0.00	0.00	0.00
10,400.0	90.35	359.77	7,028.5	2,764.8	1,501.5	3,110.5	0.00	0.00	0.00
10,500.0	90.35	359.77	7,027.9	2,864.8	1,501.1	3,204.4	0.00	0.00	0.00
10,600.0	90.35	359.77	7,027.3	2,964.8	1,500.7	3,298.3	0.00	0.00	0.00
10,700.0	90.35	359.77	7,026.7	3,064.8	1,500.3	3,392.3	0.00	0.00	0.00
10,800.0	90.35	359.77	7,026.1	3,164.8	1,499.9	3,486.2	0.00	0.00	0.00
10,900.0	90.35	359.77	7,025.5	3,264.8	1,499.5	3,580.1	0.00	0.00	0.00
11,000.0	90.35	359.77	7,024.9	3,364.8	1,499.1	3,674.0	0.00	0.00	0.00
11,100.0	90.35	359.77	7,024.3	3,464.8	1,498.7	3,767.9	0.00	0.00	0.00
11,200.0	90.35	359.77	7,023.6	3,564.8	1,498.3	3,861.8	0.00	0.00	0.00
11,300.0	90.35	359.77	7,023.0	3,664.8	1,497.9	3,955.7	0.00	0.00	0.00
11,400.0	90.35	359.77	7,022.4	3,764.8	1,497.5	4,049.6	0.00	0.00	0.00
11,500.0	90.35	359.77	7,021.8	3,864.8	1,497.1	4,143.5	0.00	0.00	0.00
11,600.0	90.35	359.77	7,021.2	3,964.8	1,496.7	4,237.4	0.00	0.00	0.00
11,700.0	90.35	359.77	7,020.6	4,064.8	1,496.3	4,331.3	0.00	0.00	0.00
11,775.0	90.35	359.77	7,020.1	4,139.8	1,496.0	4,401.8	0.00	0.00	0.00
BHL 470'FNL, 1467'FEL									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BHL 470'FNL, 1467'FI	0.00	0.00	7,020.0	4,139.8	1,495.9	1,413,032.87	3,227,252.68	40.464304	-104.683256
- plan misses target center by 0.1ft at 11775.0ft MD (7020.1 TVD, 4139.8 N, 1496.0 E)									
- Point									
SHL 546'FSL, 2250'FV	0.00	0.00	1.0	0.0	0.0	1,408,879.75	3,225,794.77	40.452941	-104.688632
- plan hits target center									
- Point									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,703.2	7,045.0	7"	7	7-1/2

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,200.0	1,200.0	0.0	0.0	Start Build 2.00
6,477.4	6,262.8	-58.4	117.0	Start DLS 8.00 TFO -115.61
7,703.2	7,045.0	-646.7	1,295.2	Start 4071.8 hold at 7703.2 MD
11,775.0	7,020.1	68.1	1,512.3	TD at 11775.0

ENSIGN
Directional

Bayswater Exploration & Production, LLC

SEC.29-T6N-R65W
Matrix 29- Pad Sec.29-T6N-R65W
Matrix O-29HN

Wellbore #1
Plan #1 (10-08-14)

Anticollision Report

09 October, 2014

BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Reference Plan #1 (10-08-14)

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 800.0ft	**Error Surface:**	Elliptical Conic
Warning Levels Evaluated at:	2.00 **Sigma**		

Survey Tool Program **Date** 10/9/2014

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	11,775.0	Plan #1 (10-08-14) (Wellbore #1)	MWD	MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Hungenberg 42-29P Pad Sec.29-T6N-R65W						
Hungenberg 22-29 - Wellbore #1 - Wellbore #1						Out of range
Hungenberg 32-29 - Wellbore #1 - Wellbore #1	10,205.3	7,258.7	408.3	326.5	4.994	CC, ES, SF
Hungenberg 33-29 - Wellbore #1 - Wellbore #1	9,017.8	7,219.6	545.2	491.6	10.164	CC, ES
Hungenberg 33-29 - Wellbore #1 - Wellbore #1	9,100.0	7,219.8	551.4	496.4	10.035	SF
Matrix 29- Pad Sec.29-T6N-R65W						
Matrix G-29HN - Wellbore #1 - Plan #1 (10-01-14)	1,631.2	1,630.5	50.4	43.3	7.148	CC, ES
Matrix G-29HN - Wellbore #1 - Plan #1 (10-01-14)	1,700.0	1,698.5	51.6	44.2	6.998	SF
Matrix H-29HN - Wellbore #1 - Plan #1 (10-08-14)	166.3	167.3	74.8	74.3	142.453	CC
Matrix H-29HN - Wellbore #1 - Plan #1 (10-08-14)	200.0	201.0	74.8	74.1	110.587	ES
Matrix H-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,800.0	1,797.6	116.5	108.7	14.970	SF
Matrix I-29HC - Wellbore #1 - Plan #1 (10-08-14)	1,729.0	1,726.0	75.6	68.1	10.046	CC, ES
Matrix I-29HC - Wellbore #1 - Plan #1 (10-08-14)	1,800.0	1,795.6	76.9	69.0	9.747	SF
Matrix J-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,200.0	1,201.0	75.0	69.9	14.509	CC, ES
Matrix J-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,400.0	1,400.8	79.0	73.0	13.145	SF
Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,200.0	1,201.0	60.1	55.0	11.626	CC, ES
Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,400.0	1,400.8	64.2	58.2	10.675	SF
Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,200.0	1,201.0	45.0	39.8	8.697	CC, ES
Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)	11,775.0	11,554.2	664.0	496.7	3.969	SF
Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,200.0	1,201.0	30.1	24.9	5.812	CC, ES
Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)	11,775.0	11,661.3	330.2	160.9	1.951	SF
Matrix N-29HC - Wellbore #1 - Plan #1 (10-08-14)	1,200.0	1,201.0	15.1	10.0	2.929	CC, ES
Matrix N-29HC - Wellbore #1 - Plan #1 (10-08-14)	11,775.0	11,800.9	199.3	47.5	1.313	Level 3, SF
Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,000.0	1,000.0	14.9	10.7	3.494	CC, ES
Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14)	11,775.0	11,775.1	332.4	163.9	1.973	SF
Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14)	800.0	800.0	29.8	26.5	8.847	CC, ES
Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14)	11,775.0	11,876.0	667.4	497.6	3.932	SF
Matrix R-29HN - Wellbore #1 - Plan #1 (10-08-14)	600.0	600.0	45.0	42.5	18.194	CC, ES
Matrix R-29HN - Wellbore #1 - Plan #1 (10-08-14)	900.0	896.0	56.1	52.4	14.930	SF
Matrix S-29HC - Wellbore #1 - Plan #1 (10-08-14)	600.0	600.0	146.4	143.9	59.206	CC, ES
Matrix S-29HC - Wellbore #1 - Plan #1 (10-08-14)	5,500.0	5,358.8	794.3	759.8	23.001	SF
Matrix T-29HN - Wellbore #1 - Plan #1 (10-02-14)	200.0	200.0	153.8	153.1	228.015	CC, ES
Matrix T-29HN - Wellbore #1 - Plan #1 (10-02-14)	4,100.0	3,931.0	788.5	764.8	33.201	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Moro Farms 31-29 Pad Sec.29-T6N-R65W						
Moro Farms 31-29 - Wellbore #1 - Wellbore #1	11,768.6	7,253.0	676.3	574.0	6.611	CC
Moro Farms 31-29 - Wellbore #1 - Wellbore #1	11,775.0	7,252.9	676.3	573.9	6.604	ES, SF
Moro Farms CNE-29 - Wellbore #1 - Wellbore #1	11,186.4	7,151.0	194.6	104.0	2.148	CC, ES
Moro Farms CNE-29 - Wellbore #1 - Wellbore #1	11,200.0	7,150.9	195.1	104.2	2.148	SF
Moro Farms CSE-29 Pad Sec.29-T6N-R65W						
Moro Farms 34-29 (Vert.) - Wellbore #1 - Moro Farms 34	4,446.6	4,311.3	453.8	424.8	15.666	CC
Moro Farms 34-29 (Vert.) - Wellbore #1 - Moro Farms 34	4,500.0	4,362.2	454.0	424.6	15.442	ES
Moro Farms 34-29 (Vert.) - Wellbore #1 - Moro Farms 34	4,900.0	4,744.0	473.5	441.4	14.734	SF
Moro Farms CSE-29 - Wellbore #1 - Wellbore #1	8,224.6	7,127.5	137.0	94.3	3.210	CC, ES, SF

Offset Design Hungenberg 42-29P Pad Sec.29-T6N-R65W - Hungenberg 32-29 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 14-

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,600.0	7,033.4	7,263.3	7,014.5	49.5	34.4	-90.88	2,568.5	1,094.0	730.1	659.0	71.18	10.258	
9,700.0	7,032.8	7,262.5	7,013.7	51.1	34.4	-90.77	2,568.5	1,094.0	649.6	576.8	72.89	8.913	
9,800.0	7,032.2	7,261.7	7,012.9	52.7	34.4	-90.66	2,568.5	1,094.0	575.3	500.7	74.62	7.710	
9,900.0	7,031.6	7,260.9	7,012.2	54.4	34.4	-90.56	2,568.5	1,094.0	509.8	433.5	76.36	6.676	
10,000.0	7,031.0	7,260.2	7,011.4	56.0	34.4	-90.45	2,568.5	1,094.0	457.0	378.9	78.11	5.850	
10,100.0	7,030.4	7,259.4	7,010.7	57.7	34.4	-90.35	2,568.5	1,094.0	421.6	341.8	79.88	5.278	
10,200.0	7,029.7	7,258.7	7,010.0	59.4	34.4	-90.25	2,568.5	1,094.0	408.3	326.6	81.66	5.000	
10,205.3	7,029.7	7,258.7	7,009.9	59.5	34.4	-90.24	2,568.5	1,094.0	408.3	326.5	81.75	4.994	CC, ES, SF
10,300.0	7,029.1	7,258.0	7,009.3	61.1	34.4	-90.15	2,568.5	1,094.0	419.1	335.7	83.44	5.023	
10,400.0	7,028.5	7,257.3	7,008.6	62.8	34.4	-90.05	2,568.5	1,094.0	452.3	367.1	85.23	5.307	
10,500.0	7,027.9	7,256.6	7,007.9	64.5	34.4	-89.95	2,568.5	1,094.0	503.5	416.5	87.04	5.785	
10,600.0	7,027.3	7,255.9	7,007.2	66.2	34.4	-89.86	2,568.5	1,094.0	567.8	479.0	88.84	6.391	
10,700.0	7,026.7	7,255.3	7,006.5	68.0	34.4	-89.76	2,568.5	1,094.0	641.4	550.7	90.66	7.075	
10,800.0	7,026.1	7,254.6	7,005.9	69.7	34.4	-89.67	2,568.5	1,094.0	721.3	628.8	92.48	7.800	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Hungenberg 42-29P Pad Sec.29-T6N-R65W - Hungenberg 33-29 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 14- **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,500.0	7,040.1	7,218.5	7,015.7	35.4	29.9	-90.03	1,380.4	961.8	751.9	705.8	46.10	16.310	
8,600.0	7,039.5	7,218.7	7,015.9	36.3	29.9	-90.05	1,380.4	961.8	686.8	639.4	47.44	14.477	
8,700.0	7,038.9	7,218.9	7,016.2	37.3	29.9	-90.07	1,380.4	961.8	631.0	582.2	48.85	12.918	
8,800.0	7,038.3	7,219.2	7,016.4	38.3	29.9	-90.10	1,380.4	961.8	587.1	536.8	50.31	11.669	
8,900.0	7,037.7	7,219.4	7,016.6	39.5	29.9	-90.12	1,380.4	961.8	557.8	506.0	51.81	10.765	
9,000.0	7,037.1	7,219.6	7,016.8	40.8	29.9	-90.14	1,380.4	961.8	545.5	492.1	53.36	10.223	
9,017.8	7,037.0	7,219.6	7,016.9	41.0	29.9	-90.15	1,380.4	961.8	545.2	491.6	53.64	10.164	CC, ES
9,100.0	7,036.5	7,219.8	7,017.0	42.1	29.9	-90.16	1,380.4	961.8	551.4	496.4	54.94	10.035	SF
9,200.0	7,035.9	7,220.0	7,017.3	43.5	29.9	-90.19	1,380.4	961.8	574.9	518.3	56.55	10.165	
9,300.0	7,035.2	7,220.2	7,017.5	45.0	29.9	-90.21	1,380.4	961.8	613.9	555.7	58.19	10.550	
9,400.0	7,034.6	7,220.5	7,017.7	46.5	29.9	-90.23	1,380.4	961.8	665.8	606.0	59.86	11.124	
9,500.0	7,034.0	7,220.7	7,017.9	48.0	29.9	-90.26	1,380.4	961.8	727.9	666.3	61.54	11.827	
9,600.0	7,033.4	7,220.9	7,018.1	49.5	29.9	-90.28	1,380.4	961.8	797.7	734.4	63.25	12.612	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix G-29HN - Wellbore #1 - Plan #1 (10-01-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	59.26	30.6	51.5	59.9	59.9	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	59.26	30.6	51.5	59.9	59.7	0.23	263.873	
200.0	200.0	201.0	201.0	0.3	0.3	59.26	30.6	51.5	59.9	59.2	0.68	88.542	
300.0	300.0	301.0	301.0	0.6	0.6	59.26	30.6	51.5	59.9	58.8	1.13	53.196	
400.0	400.0	401.0	401.0	0.8	0.8	59.26	30.6	51.5	59.9	58.3	1.58	38.019	
500.0	500.0	501.0	501.0	1.0	1.0	59.26	30.6	51.5	59.9	57.9	2.03	29.580	
600.0	600.0	601.0	601.0	1.2	1.2	59.26	30.6	51.5	59.9	57.4	2.47	24.206	
700.0	700.0	701.0	701.0	1.5	1.5	59.26	30.6	51.5	59.9	57.0	2.92	20.485	
800.0	800.0	801.0	801.0	1.7	1.7	59.26	30.6	51.5	59.9	56.5	3.37	17.756	
900.0	900.0	901.0	901.0	1.9	1.9	59.26	30.6	51.5	59.9	56.1	3.82	15.668	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	59.26	30.6	51.5	59.9	55.6	4.27	14.020	
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	59.26	30.6	51.5	59.9	55.2	4.72	12.685	
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	59.26	30.6	51.5	59.9	54.7	5.17	11.582	
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	-58.72	30.6	51.5	59.0	53.4	5.60	10.530	
1,400.0	1,399.8	1,400.8	1,400.8	3.0	3.0	-63.30	30.6	51.5	56.4	50.4	6.02	9.382	
1,500.0	1,499.5	1,500.5	1,500.5	3.2	3.3	-71.77	30.6	51.5	53.1	46.6	6.44	8.237	
1,600.0	1,598.7	1,599.7	1,599.7	3.4	3.5	-84.94	30.6	51.5	50.6	43.7	6.90	7.333	
1,631.2	1,629.5	1,630.5	1,630.5	3.5	3.6	-90.00	30.6	51.5	50.4	43.3	7.05	7.148	CC, ES
1,700.0	1,697.5	1,698.5	1,698.5	3.7	3.7	-102.28	30.6	51.5	51.6	44.2	7.37	6.998	SF
1,800.0	1,795.6	1,796.6	1,796.6	4.0	3.9	-120.39	30.6	51.5	58.8	50.9	7.83	7.506	
1,900.0	1,893.1	1,894.1	1,894.1	4.3	4.1	-135.42	30.6	51.5	72.9	64.7	8.24	8.855	
2,000.0	1,989.6	1,990.6	1,990.6	4.7	4.4	-146.29	30.6	51.5	93.4	84.7	8.61	10.842	
2,069.0	2,055.8	2,056.8	2,056.8	5.0	4.5	-151.78	30.6	51.5	110.6	101.7	8.86	12.474	
2,100.0	2,085.3	2,086.3	2,086.3	5.2	4.6	-153.87	30.6	51.5	118.9	109.9	8.99	13.221	
2,200.0	2,180.8	2,181.8	2,181.8	5.7	4.8	-159.00	30.6	51.5	146.5	137.1	9.42	15.557	
2,300.0	2,276.2	2,277.2	2,277.2	6.2	5.0	-162.49	30.6	51.5	174.8	165.0	9.85	17.741	
2,400.0	2,371.6	2,372.6	2,372.6	6.8	5.2	-165.02	30.6	51.5	203.6	193.3	10.30	19.761	
2,500.0	2,467.1	2,468.1	2,468.1	7.4	5.4	-166.91	30.6	51.5	232.7	221.9	10.76	21.619	
2,600.0	2,562.5	2,562.6	2,562.6	7.9	5.6	-168.53	30.1	51.0	262.0	250.8	11.21	23.378	
2,700.0	2,657.9	2,656.1	2,656.0	8.5	5.8	-170.40	27.7	48.4	292.1	280.4	11.63	25.114	
2,800.0	2,753.4	2,748.5	2,748.2	9.1	6.0	-172.46	23.2	43.7	323.0	311.0	12.04	26.821	
2,900.0	2,848.8	2,839.8	2,839.1	9.7	6.2	-174.62	16.7	36.9	355.0	342.6	12.46	28.484	
3,000.0	2,944.2	2,929.9	2,928.3	10.3	6.3	-176.84	8.4	28.2	388.3	375.4	12.90	30.100	
3,100.0	3,039.7	3,018.4	3,015.6	11.0	6.5	-179.08	-1.7	17.6	423.0	409.7	13.36	31.665	
3,200.0	3,135.1	3,105.4	3,100.9	11.6	6.7	178.71	-13.4	5.4	459.3	445.4	13.85	33.172	
3,300.0	3,230.5	3,191.3	3,184.6	12.2	7.0	176.54	-26.7	-8.5	497.2	482.9	14.37	34.607	
3,400.0	3,326.0	3,281.6	3,272.4	12.8	7.3	174.44	-41.4	-24.0	536.2	521.3	14.94	35.896	
3,500.0	3,421.4	3,372.0	3,360.2	13.4	7.5	172.63	-56.1	-39.4	575.8	560.3	15.53	37.076	
3,600.0	3,516.8	3,462.3	3,448.0	14.1	7.8	171.04	-70.8	-54.8	615.8	599.7	16.15	38.138	
3,700.0	3,612.3	3,552.7	3,535.8	14.7	8.2	169.64	-85.6	-70.2	656.2	639.4	16.78	39.102	
3,800.0	3,707.7	3,643.0	3,623.6	15.3	8.5	168.40	-100.3	-85.6	696.8	679.4	17.43	39.978	
3,900.0	3,803.1	3,733.4	3,711.4	15.9	8.9	167.29	-115.0	-101.0	737.7	719.7	18.09	40.778	
4,000.0	3,898.6	3,823.7	3,799.2	16.6	9.2	166.30	-129.7	-116.5	778.9	760.1	18.76	41.508	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix H-29HN - Wellbore #1 - Plan #1 (10-08-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	59.24	38.3	64.3	74.8	74.8	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	59.24	38.3	64.3	74.8	74.6	0.23	329.559	
166.3	166.3	167.3	167.3	0.3	0.3	59.24	38.3	64.3	74.8	74.3	0.53	142.453	CC
200.0	200.0	201.0	201.0	0.3	0.3	59.24	38.3	64.3	74.8	74.1	0.68	110.587	ES
300.0	300.0	300.0	300.0	0.6	0.6	58.10	40.0	64.3	75.7	74.6	1.12	67.355	
400.0	400.0	399.2	399.1	0.8	0.8	55.53	44.1	64.3	78.0	76.4	1.58	49.484	
500.0	500.0	499.1	498.9	1.0	1.0	53.04	48.4	64.3	80.5	78.4	2.03	39.628	
600.0	600.0	599.1	598.8	1.2	1.3	50.71	52.6	64.3	83.1	80.6	2.49	33.409	
700.0	700.0	699.0	698.6	1.5	1.5	48.52	56.8	64.3	85.8	82.9	2.94	29.151	
800.0	800.0	798.9	798.4	1.7	1.7	46.47	61.1	64.3	88.7	85.3	3.40	26.066	
900.0	900.0	898.8	898.2	1.9	2.0	44.55	65.3	64.3	91.7	87.8	3.86	23.737	
1,000.0	1,000.0	998.7	998.0	2.1	2.2	42.75	69.5	64.3	94.8	90.4	4.32	21.924	
1,100.0	1,100.0	1,098.6	1,097.9	2.4	2.4	41.07	73.8	64.3	97.9	93.1	4.78	20.475	
1,200.0	1,200.0	1,198.5	1,197.7	2.6	2.7	39.49	78.0	64.3	101.1	95.9	5.24	19.296	
1,300.0	1,300.0	1,298.4	1,297.5	2.8	2.9	-79.40	82.2	64.3	104.1	98.5	5.64	18.454	
1,400.0	1,399.8	1,398.6	1,397.6	3.0	3.1	-83.48	86.4	64.3	106.8	100.7	6.05	17.636	
1,500.0	1,499.5	1,501.5	1,500.5	3.2	3.3	-88.73	88.3	64.3	107.7	101.3	6.43	16.753	
1,522.1	1,521.4	1,523.4	1,522.4	3.2	3.3	-90.00	88.3	64.3	107.7	101.2	6.52	16.513	
1,600.0	1,598.7	1,600.7	1,599.7	3.4	3.5	-95.15	88.3	64.3	108.1	101.3	6.84	15.798	
1,700.0	1,697.5	1,699.5	1,698.5	3.7	3.7	-103.09	88.3	64.3	110.7	103.3	7.31	15.145	
1,800.0	1,795.6	1,797.6	1,796.6	4.0	3.9	-112.02	88.3	64.3	116.5	108.7	7.78	14.970	SF
1,900.0	1,893.1	1,895.1	1,894.1	4.3	4.1	-121.12	88.3	64.3	126.8	118.6	8.26	15.351	
2,000.0	1,989.6	1,991.7	1,990.6	4.7	4.3	-129.66	88.3	64.3	142.2	133.5	8.72	16.301	
2,069.0	2,055.8	2,057.8	2,056.8	5.0	4.5	-134.97	88.3	64.3	155.9	146.9	9.03	17.264	
2,100.0	2,085.3	2,087.3	2,086.3	5.2	4.6	-137.23	88.3	64.3	162.7	153.5	9.17	17.740	
2,200.0	2,180.8	2,182.8	2,181.8	5.7	4.8	-143.38	88.3	64.3	186.1	176.5	9.63	19.338	
2,300.0	2,276.2	2,278.2	2,277.2	6.2	5.0	-148.16	88.3	64.3	211.2	201.1	10.08	20.961	
2,400.0	2,371.6	2,373.6	2,372.6	6.8	5.2	-151.93	88.3	64.3	237.4	226.9	10.53	22.551	
2,500.0	2,467.1	2,469.1	2,468.1	7.4	5.4	-154.95	88.3	64.3	264.4	253.4	10.98	24.076	
2,600.0	2,562.5	2,564.5	2,563.5	7.9	5.6	-157.42	88.3	64.3	291.9	280.5	11.44	25.522	
2,700.0	2,657.9	2,659.9	2,658.9	8.5	5.8	-159.46	88.3	64.3	319.9	308.0	11.90	26.883	
2,800.0	2,753.4	2,755.4	2,754.4	9.1	6.0	-161.18	88.3	64.3	348.1	335.8	12.36	28.161	
2,900.0	2,848.8	2,850.8	2,849.8	9.7	6.2	-162.64	88.3	64.3	376.7	363.8	12.83	29.356	
3,000.0	2,944.2	2,946.3	2,945.2	10.3	6.5	-163.89	88.3	64.3	405.4	392.1	13.30	30.475	
3,100.0	3,039.7	3,044.3	3,043.2	11.0	6.7	-165.06	87.9	64.2	434.1	420.4	13.76	31.558	
3,200.0	3,135.1	3,145.6	3,144.5	11.6	6.8	-166.47	84.7	63.1	462.0	447.8	14.18	32.591	
3,300.0	3,230.5	3,246.8	3,245.5	12.2	7.0	-168.12	78.1	60.8	488.9	474.3	14.58	33.531	
3,400.0	3,326.0	3,347.8	3,345.9	12.8	7.2	-169.97	68.2	57.5	515.1	500.1	14.98	34.383	
3,500.0	3,421.4	3,448.1	3,445.3	13.4	7.3	-171.99	55.0	53.0	540.8	525.4	15.39	35.148	
3,600.0	3,516.8	3,547.7	3,543.3	14.1	7.5	-174.16	38.6	47.4	566.3	550.5	15.81	35.824	
3,700.0	3,612.3	3,646.0	3,639.5	14.7	7.7	-176.43	19.4	40.9	591.7	575.4	16.26	36.397	
3,800.0	3,707.7	3,739.9	3,731.1	15.3	7.9	-178.56	-0.4	34.2	617.7	600.9	16.75	36.888	
3,900.0	3,803.1	3,833.9	3,822.7	15.9	8.2	179.47	-20.1	27.5	644.4	627.2	17.27	37.313	
4,000.0	3,898.6	3,927.9	3,914.3	16.6	8.4	177.66	-39.9	20.8	671.9	654.0	17.84	37.670	
4,100.0	3,994.0	4,021.8	4,005.9	17.2	8.7	175.98	-59.6	14.1	699.9	681.5	18.43	37.974	
4,200.0	4,089.4	4,115.8	4,097.5	17.8	9.0	174.43	-79.4	7.4	728.5	709.4	19.06	38.221	
4,300.0	4,184.9	4,209.7	4,189.1	18.5	9.3	172.99	-99.1	0.7	757.5	737.8	19.71	38.424	
4,400.0	4,280.3	4,303.7	4,280.7	19.1	9.6	171.66	-118.9	-6.0	787.0	766.6	20.39	38.589	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix I-29HC - Wellbore #1 - Plan #1 (10-08-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	59.31	45.9	77.4	90.0				
100.0	100.0	100.0	100.0	0.1	0.1	59.31	45.9	77.4	90.0	89.7	0.22	400.262	
200.0	200.0	200.0	200.0	0.3	0.3	59.31	45.9	77.4	90.0	89.3	0.67	133.421	
300.0	300.0	300.0	300.0	0.6	0.6	59.31	45.9	77.4	90.0	88.8	1.12	80.052	
400.0	400.0	400.0	400.0	0.8	0.8	59.31	45.9	77.4	90.0	88.4	1.57	57.180	
500.0	500.0	500.0	500.0	1.0	1.0	59.31	45.9	77.4	90.0	87.9	2.02	44.474	
600.0	600.0	600.0	600.0	1.2	1.2	59.31	45.9	77.4	90.0	87.5	2.47	36.387	
700.0	700.0	700.0	700.0	1.5	1.5	59.31	45.9	77.4	90.0	87.0	2.92	30.789	
800.0	800.0	800.0	800.0	1.7	1.7	59.31	45.9	77.4	90.0	86.6	3.37	26.684	
900.0	900.0	900.0	900.0	1.9	1.9	59.31	45.9	77.4	90.0	86.1	3.82	23.545	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	59.31	45.9	77.4	90.0	85.7	4.27	21.066	
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	59.31	45.9	77.4	90.0	85.2	4.72	19.060	
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	59.31	45.9	77.4	90.0	84.8	5.17	17.403	
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-58.18	45.9	77.4	89.0	83.4	5.60	15.903	
1,400.0	1,399.8	1,399.8	1,399.8	3.0	3.0	-61.17	45.9	77.4	86.4	80.4	6.01	14.368	
1,500.0	1,499.5	1,499.5	1,499.5	3.2	3.3	-66.53	45.9	77.4	82.5	76.1	6.44	12.816	
1,600.0	1,598.7	1,598.7	1,598.7	3.4	3.5	-74.75	45.9	77.4	78.5	71.6	6.89	11.385	
1,700.0	1,697.5	1,697.5	1,697.5	3.7	3.7	-86.14	45.9	77.4	75.8	68.4	7.38	10.276	
1,729.0	1,726.0	1,726.0	1,726.0	3.8	3.8	-90.00	45.9	77.4	75.6	68.1	7.53	10.046	CC, ES
1,800.0	1,795.6	1,795.6	1,795.6	4.0	3.9	-100.18	45.9	77.4	76.9	69.0	7.89	9.747	SF
1,900.0	1,893.1	1,893.1	1,893.1	4.3	4.1	-115.02	45.9	77.4	83.9	75.6	8.38	10.011	
2,000.0	1,989.6	1,989.6	1,989.6	4.7	4.4	-128.36	45.9	77.4	98.0	89.1	8.83	11.101	
2,069.0	2,055.8	2,055.8	2,055.8	5.0	4.5	-136.01	45.9	77.4	111.6	102.5	9.10	12.266	
2,100.0	2,085.3	2,085.3	2,085.3	5.2	4.6	-139.05	45.9	77.4	118.6	109.4	9.23	12.853	
2,200.0	2,180.8	2,180.8	2,180.8	5.7	4.8	-146.82	45.9	77.4	142.9	133.2	9.64	14.824	
2,300.0	2,276.2	2,276.2	2,276.2	6.2	5.0	-152.32	45.9	77.4	169.0	158.9	10.06	16.797	
2,400.0	2,371.6	2,371.6	2,371.6	6.8	5.2	-156.35	45.9	77.4	196.1	185.6	10.49	18.696	
2,500.0	2,467.1	2,467.1	2,467.1	7.4	5.4	-159.40	45.9	77.4	224.0	213.1	10.93	20.488	
2,600.0	2,562.5	2,562.5	2,562.5	7.9	5.6	-161.77	45.9	77.4	252.3	240.9	11.38	22.165	
2,700.0	2,657.9	2,657.9	2,657.9	8.5	5.9	-163.67	45.9	77.4	280.9	269.1	11.84	23.726	
2,800.0	2,753.4	2,757.0	2,757.0	9.1	6.1	-165.36	45.3	77.3	309.5	297.2	12.29	25.178	
2,900.0	2,848.8	2,859.5	2,859.4	9.7	6.3	-167.28	41.5	77.0	336.5	323.8	12.71	26.474	
3,000.0	2,944.2	2,962.4	2,962.0	10.3	6.4	-169.40	33.9	76.4	361.9	348.8	13.12	27.594	
3,100.0	3,039.7	3,065.5	3,064.5	11.0	6.6	-171.72	22.7	75.6	385.9	372.4	13.53	28.528	
3,200.0	3,135.1	3,168.5	3,166.4	11.6	6.8	-174.21	7.8	74.4	408.7	394.8	13.96	29.285	
3,300.0	3,230.5	3,267.9	3,264.2	12.2	7.0	-176.72	-9.6	73.1	430.8	416.4	14.41	29.892	
3,400.0	3,326.0	3,363.8	3,358.5	12.8	7.2	-178.96	-26.9	71.7	453.4	438.5	14.90	30.427	
3,500.0	3,421.4	3,459.6	3,452.9	13.4	7.5	179.00	-44.1	70.4	476.7	461.3	15.42	30.905	
3,600.0	3,516.8	3,555.5	3,547.2	14.1	7.7	177.16	-61.4	69.0	500.4	484.5	15.98	31.319	
3,700.0	3,612.3	3,651.4	3,641.5	14.7	8.0	175.48	-78.7	67.7	524.6	508.1	16.56	31.679	
3,800.0	3,707.7	3,747.3	3,735.8	15.3	8.3	173.94	-95.9	66.4	549.3	532.1	17.17	31.991	
3,900.0	3,803.1	3,843.2	3,830.1	15.9	8.5	172.54	-113.2	65.0	574.2	556.4	17.80	32.259	
4,000.0	3,898.6	3,939.1	3,924.5	16.6	8.8	171.25	-130.4	63.7	599.5	581.0	18.45	32.489	
4,100.0	3,994.0	4,035.0	4,018.8	17.2	9.1	170.06	-147.7	62.3	625.0	605.9	19.12	32.687	
4,200.0	4,089.4	4,130.9	4,113.1	17.8	9.4	168.96	-164.9	61.0	650.7	630.9	19.81	32.856	
4,300.0	4,184.9	4,226.8	4,207.4	18.5	9.7	167.95	-182.2	59.7	676.7	656.2	20.51	33.001	
4,400.0	4,280.3	4,322.7	4,301.7	19.1	10.1	167.02	-199.5	58.3	702.9	681.6	21.22	33.125	
4,500.0	4,375.7	4,418.6	4,396.1	19.7	10.4	166.14	-216.7	57.0	729.2	707.2	21.94	33.232	
4,600.0	4,471.2	4,514.5	4,490.4	20.4	10.7	165.33	-234.0	55.6	755.6	733.0	22.68	33.323	
4,700.0	4,566.6	4,610.4	4,584.7	21.0	11.0	164.58	-251.2	54.3	782.2	758.8	23.42	33.402	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix J-29HN - Wellbore #1 - Plan #1 (10-02-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-120.63	-38.2	-64.6	75.0	75.0	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-120.63	-38.2	-64.6	75.0	74.8	0.23	330.550	
200.0	200.0	201.0	201.0	0.3	0.3	-120.63	-38.2	-64.6	75.0	74.4	0.68	110.915	
300.0	300.0	301.0	301.0	0.6	0.6	-120.63	-38.2	-64.6	75.0	73.9	1.13	66.638	
400.0	400.0	401.0	401.0	0.8	0.8	-120.63	-38.2	-64.6	75.0	73.5	1.58	47.626	
500.0	500.0	501.0	501.0	1.0	1.0	-120.63	-38.2	-64.6	75.0	73.0	2.03	37.054	
600.0	600.0	601.0	601.0	1.2	1.2	-120.63	-38.2	-64.6	75.0	72.6	2.47	30.323	
700.0	700.0	701.0	701.0	1.5	1.5	-120.63	-38.2	-64.6	75.0	72.1	2.92	25.661	
800.0	800.0	801.0	801.0	1.7	1.7	-120.63	-38.2	-64.6	75.0	71.7	3.37	22.242	
900.0	900.0	901.0	901.0	1.9	1.9	-120.63	-38.2	-64.6	75.0	71.2	3.82	19.627	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-120.63	-38.2	-64.6	75.0	70.8	4.27	17.562	
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-120.63	-38.2	-64.6	75.0	70.3	4.72	15.890	
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-120.63	-38.2	-64.6	75.0	69.9	5.17	14.509	CC, ES
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	123.92	-38.2	-64.6	76.0	70.4	5.60	13.570	
1,400.0	1,399.8	1,400.8	1,400.8	3.0	3.0	127.02	-38.2	-64.6	79.0	73.0	6.01	13.145	SF
1,500.0	1,499.5	1,500.5	1,500.5	3.2	3.3	131.65	-38.2	-64.6	84.6	78.2	6.43	13.154	
1,600.0	1,598.7	1,599.7	1,599.7	3.4	3.5	137.12	-38.2	-64.6	93.1	86.3	6.85	13.597	
1,700.0	1,697.5	1,698.5	1,698.5	3.7	3.7	142.75	-38.2	-64.6	105.2	97.9	7.27	14.467	
1,800.0	1,795.6	1,796.6	1,796.6	4.0	3.9	148.03	-38.2	-64.6	121.0	113.3	7.69	15.740	
1,900.0	1,893.1	1,894.1	1,894.1	4.3	4.1	152.68	-38.2	-64.6	140.7	132.6	8.10	17.372	
2,000.0	1,989.6	1,990.6	1,990.6	4.7	4.4	156.61	-38.2	-64.6	164.2	155.7	8.50	19.316	
2,069.0	2,055.8	2,056.8	2,056.8	5.0	4.5	158.93	-38.2	-64.6	182.7	173.9	8.78	20.813	
2,100.0	2,085.3	2,086.3	2,086.3	5.2	4.6	159.92	-38.2	-64.6	191.4	182.5	8.92	21.465	
2,200.0	2,180.8	2,181.8	2,181.8	5.7	4.8	162.58	-38.2	-64.6	219.8	210.5	9.37	23.456	
2,300.0	2,276.2	2,277.2	2,277.2	6.2	5.0	164.64	-38.2	-64.6	248.6	238.8	9.83	25.283	
2,400.0	2,371.6	2,372.6	2,372.6	6.8	5.2	166.27	-38.2	-64.6	277.6	267.3	10.30	26.954	
2,500.0	2,467.1	2,468.1	2,468.1	7.4	5.4	167.59	-38.2	-64.6	306.8	296.0	10.77	28.485	
2,600.0	2,562.5	2,569.2	2,569.2	7.9	5.6	168.64	-39.0	-64.2	335.5	324.3	11.24	29.856	
2,700.0	2,657.9	2,674.7	2,674.6	8.5	5.8	169.13	-42.9	-62.0	362.0	350.3	11.70	30.946	
2,800.0	2,753.4	2,781.7	2,781.2	9.1	6.0	169.13	-50.3	-57.8	385.9	373.8	12.17	31.710	
2,900.0	2,848.8	2,890.0	2,888.8	9.7	6.2	168.73	-61.4	-51.7	407.3	394.6	12.67	32.144	
3,000.0	2,944.2	2,997.1	2,994.6	10.3	6.5	167.98	-75.8	-43.7	426.1	412.9	13.20	32.284	
3,100.0	3,039.7	3,095.3	3,091.4	11.0	6.7	167.24	-90.0	-35.7	444.1	430.4	13.74	32.331	
3,200.0	3,135.1	3,193.5	3,188.3	11.6	6.9	166.55	-104.3	-27.8	462.2	447.9	14.29	32.340	
3,300.0	3,230.5	3,291.7	3,285.1	12.2	7.2	165.92	-118.6	-19.8	480.3	465.4	14.86	32.318	
3,400.0	3,326.0	3,389.9	3,382.0	12.8	7.4	165.33	-132.8	-11.8	498.5	483.0	15.45	32.270	
3,500.0	3,421.4	3,488.1	3,478.8	13.4	7.7	164.78	-147.1	-3.9	516.7	500.7	16.05	32.201	
3,600.0	3,516.8	3,586.3	3,575.6	14.1	8.0	164.27	-161.4	4.1	535.0	518.3	16.66	32.115	
3,700.0	3,612.3	3,684.5	3,672.5	14.7	8.3	163.80	-175.6	12.0	553.3	536.0	17.28	32.017	
3,800.0	3,707.7	3,782.7	3,769.3	15.3	8.6	163.35	-189.9	20.0	571.7	553.8	17.92	31.908	
3,900.0	3,803.1	3,880.9	3,866.2	15.9	8.9	162.94	-204.2	27.9	590.1	571.5	18.56	31.792	
4,000.0	3,898.6	3,979.2	3,963.0	16.6	9.2	162.54	-218.4	35.9	608.5	589.3	19.21	31.670	
4,100.0	3,994.0	4,077.4	4,059.8	17.2	9.5	162.17	-232.7	43.8	626.9	607.0	19.87	31.545	
4,200.0	4,089.4	4,175.6	4,156.7	17.8	9.8	161.83	-247.0	51.8	645.4	624.8	20.54	31.417	
4,300.0	4,184.9	4,273.8	4,253.5	18.5	10.2	161.50	-261.2	59.7	663.9	642.6	21.22	31.288	
4,400.0	4,280.3	4,372.0	4,350.4	19.1	10.5	161.19	-275.5	67.7	682.4	660.5	21.90	31.159	
4,500.0	4,375.7	4,470.2	4,447.2	19.7	10.8	160.89	-289.8	75.6	700.9	678.3	22.59	31.030	
4,600.0	4,471.2	4,568.4	4,544.0	20.4	11.2	160.61	-304.0	83.6	719.4	696.1	23.28	30.903	
4,700.0	4,566.6	4,666.6	4,640.9	21.0	11.5	160.35	-318.3	91.5	738.0	714.0	23.98	30.777	
4,800.0	4,662.0	4,764.8	4,737.7	21.6	11.8	160.09	-332.6	99.5	756.5	731.9	24.68	30.653	
4,900.0	4,757.5	4,863.0	4,834.6	22.3	12.2	159.85	-346.8	107.4	775.1	749.7	25.39	30.531	
5,000.0	4,852.9	4,961.2	4,931.4	22.9	12.5	159.63	-361.1	115.4	793.7	767.6	26.10	30.412	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14) **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-120.58	-30.6	-51.8	60.1	60.1	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-120.58	-30.6	-51.8	60.1	59.9	0.23	264.854	
200.0	200.0	201.0	201.0	0.3	0.3	-120.58	-30.6	-51.8	60.1	59.4	0.68	88.871	
300.0	300.0	301.0	301.0	0.6	0.6	-120.58	-30.6	-51.8	60.1	59.0	1.13	53.394	
400.0	400.0	401.0	401.0	0.8	0.8	-120.58	-30.6	-51.8	60.1	58.5	1.58	38.160	
500.0	500.0	501.0	501.0	1.0	1.0	-120.58	-30.6	-51.8	60.1	58.1	2.03	29.690	
600.0	600.0	601.0	601.0	1.2	1.2	-120.58	-30.6	-51.8	60.1	57.7	2.47	24.296	
700.0	700.0	701.0	701.0	1.5	1.5	-120.58	-30.6	-51.8	60.1	57.2	2.92	20.561	
800.0	800.0	801.0	801.0	1.7	1.7	-120.58	-30.6	-51.8	60.1	56.8	3.37	17.822	
900.0	900.0	901.0	901.0	1.9	1.9	-120.58	-30.6	-51.8	60.1	56.3	3.82	15.726	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-120.58	-30.6	-51.8	60.1	55.9	4.27	14.072	
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-120.58	-30.6	-51.8	60.1	55.4	4.72	12.732	
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-120.58	-30.6	-51.8	60.1	55.0	5.17	11.626	CC, ES
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	124.25	-30.6	-51.8	61.1	55.5	5.60	10.908	
1,400.0	1,399.8	1,400.8	1,400.8	3.0	3.0	128.06	-30.6	-51.8	64.2	58.2	6.01	10.675	SF
1,500.0	1,499.5	1,500.5	1,500.5	3.2	3.3	133.60	-30.6	-51.8	69.9	63.5	6.43	10.873	
1,600.0	1,598.7	1,599.7	1,599.7	3.4	3.5	139.89	-30.6	-51.8	78.8	72.0	6.85	11.512	
1,700.0	1,697.5	1,698.5	1,698.5	3.7	3.7	146.06	-30.6	-51.8	91.4	84.1	7.26	12.584	
1,800.0	1,795.6	1,796.6	1,796.6	4.0	3.9	151.55	-30.6	-51.8	107.8	100.1	7.67	14.051	
1,900.0	1,893.1	1,894.1	1,894.1	4.3	4.1	156.16	-30.6	-51.8	128.1	120.0	8.08	15.863	
2,000.0	1,989.6	1,990.6	1,990.6	4.7	4.4	159.91	-30.6	-51.8	152.2	143.8	8.47	17.965	
2,069.0	2,055.8	2,059.6	2,059.6	5.0	4.5	162.03	-31.0	-51.3	170.6	161.9	8.74	19.527	
2,100.0	2,085.3	2,090.9	2,090.9	5.2	4.6	162.82	-31.6	-50.8	178.8	170.0	8.87	20.159	
2,200.0	2,180.8	2,193.2	2,193.1	5.7	4.8	164.57	-35.3	-47.2	203.7	194.4	9.30	21.911	
2,300.0	2,276.2	2,297.2	2,296.6	6.2	4.9	165.41	-41.7	-41.1	225.8	216.0	9.74	23.170	
2,400.0	2,371.6	2,402.5	2,401.2	6.8	5.2	165.61	-50.9	-32.2	244.9	234.7	10.22	23.963	
2,500.0	2,467.1	2,508.3	2,505.7	7.4	5.4	165.29	-63.0	-20.6	261.0	250.3	10.73	24.333	
2,600.0	2,562.5	2,607.2	2,603.0	7.9	5.7	164.86	-75.3	-8.7	275.8	264.6	11.24	24.531	
2,700.0	2,657.9	2,706.1	2,700.4	8.5	5.9	164.47	-87.7	3.2	290.7	278.9	11.78	24.676	
2,800.0	2,753.4	2,804.9	2,797.8	9.1	6.2	164.11	-100.0	15.1	305.6	293.2	12.33	24.777	
2,900.0	2,848.8	2,903.8	2,895.2	9.7	6.5	163.79	-112.4	27.0	320.4	307.5	12.90	24.844	
3,000.0	2,944.2	3,002.7	2,992.5	10.3	6.8	163.50	-124.7	39.0	335.3	321.9	13.48	24.884	
3,100.0	3,039.7	3,101.6	3,089.9	11.0	7.1	163.23	-137.1	50.9	350.2	336.2	14.06	24.903	
3,200.0	3,135.1	3,200.4	3,187.3	11.6	7.4	162.99	-149.4	62.8	365.1	350.5	14.66	24.904	
3,300.0	3,230.5	3,299.3	3,284.6	12.2	7.8	162.76	-161.8	74.7	380.0	364.8	15.27	24.891	
3,400.0	3,326.0	3,398.2	3,382.0	12.8	8.1	162.55	-174.1	86.6	395.0	379.1	15.88	24.867	
3,500.0	3,421.4	3,497.0	3,479.4	13.4	8.4	162.36	-186.5	98.5	409.9	393.4	16.50	24.834	
3,600.0	3,516.8	3,595.9	3,576.8	14.1	8.8	162.18	-198.8	110.4	424.8	407.7	17.13	24.795	
3,700.0	3,612.3	3,694.8	3,674.1	14.7	9.1	162.01	-211.2	122.3	439.7	422.0	17.77	24.751	
3,800.0	3,707.7	3,793.7	3,771.5	15.3	9.5	161.85	-223.5	134.2	454.7	436.3	18.41	24.703	
3,900.0	3,803.1	3,892.5	3,868.9	15.9	9.9	161.70	-235.9	146.1	469.6	450.6	19.05	24.652	
4,000.0	3,898.6	3,991.4	3,966.3	16.6	10.2	161.57	-248.2	158.0	484.5	464.8	19.70	24.600	
4,100.0	3,994.0	4,090.3	4,063.6	17.2	10.6	161.44	-260.6	169.9	499.5	479.1	20.35	24.546	
4,200.0	4,089.4	4,189.1	4,161.0	17.8	11.0	161.31	-272.9	181.8	514.4	493.4	21.01	24.491	
4,300.0	4,184.9	4,288.0	4,258.4	18.5	11.3	161.20	-285.3	193.7	529.4	507.7	21.66	24.436	
4,400.0	4,280.3	4,386.9	4,355.7	19.1	11.7	161.09	-297.6	205.6	544.3	522.0	22.33	24.381	
4,500.0	4,375.7	4,485.8	4,453.1	19.7	12.1	160.99	-310.0	217.5	559.3	536.3	22.99	24.326	
4,600.0	4,471.2	4,584.6	4,550.5	20.4	12.4	160.89	-322.3	229.4	574.2	550.6	23.66	24.272	
4,700.0	4,566.6	4,683.5	4,647.9	21.0	12.8	160.80	-334.7	241.3	589.2	564.9	24.33	24.218	
4,800.0	4,662.0	4,782.4	4,745.2	21.6	13.2	160.71	-347.0	253.2	604.1	579.1	25.00	24.165	
4,900.0	4,757.5	4,881.2	4,842.6	22.3	13.6	160.62	-359.4	265.1	619.1	593.4	25.67	24.113	
5,000.0	4,852.9	4,980.1	4,940.0	22.9	14.0	160.54	-371.7	277.0	634.1	607.7	26.35	24.062	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,948.3	5,079.0	5,037.3	23.5	14.4	160.47	-384.1	288.9	649.0	622.0	27.03	24.012	
5,200.0	5,043.8	5,177.9	5,134.7	24.2	14.7	160.39	-396.4	300.8	664.0	636.3	27.71	23.963	
5,300.0	5,139.2	5,276.7	5,232.1	24.8	15.1	160.32	-408.8	312.7	678.9	650.5	28.39	23.915	
5,400.0	5,234.7	5,375.6	5,329.5	25.5	15.5	160.26	-421.1	324.6	693.9	664.8	29.07	23.869	
5,500.0	5,330.1	5,474.5	5,426.8	26.1	15.9	160.19	-433.5	336.5	708.9	679.1	29.75	23.823	
5,600.0	5,425.5	5,573.3	5,524.2	26.7	16.3	160.13	-445.8	348.4	723.8	693.4	30.44	23.779	
5,700.0	5,521.0	5,672.2	5,621.6	27.4	16.7	160.07	-458.1	360.3	738.8	707.7	31.13	23.735	
5,800.0	5,616.4	5,771.1	5,719.0	28.0	17.1	160.02	-470.5	372.2	753.7	721.9	31.81	23.693	
5,900.0	5,711.8	5,870.0	5,816.3	28.6	17.4	159.96	-482.8	384.1	768.7	736.2	32.50	23.651	
6,000.0	5,807.3	5,968.8	5,913.7	29.3	17.8	159.91	-495.2	396.0	783.7	750.5	33.19	23.611	
6,100.0	5,902.7	6,067.7	6,011.1	29.9	18.2	159.86	-507.5	407.9	798.6	764.8	33.88	23.572	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-120.68	-23.0	-38.7	45.0	45.0	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-120.68	-23.0	-38.7	45.0	44.8	0.23	198.141	
200.0	200.0	201.0	201.0	0.3	0.3	-120.68	-23.0	-38.7	45.0	44.3	0.68	66.486	
300.0	300.0	301.0	301.0	0.6	0.6	-120.68	-23.0	-38.7	45.0	43.9	1.13	39.945	
400.0	400.0	401.0	401.0	0.8	0.8	-120.68	-23.0	-38.7	45.0	43.4	1.58	28.548	
500.0	500.0	501.0	501.0	1.0	1.0	-120.68	-23.0	-38.7	45.0	43.0	2.03	22.211	
600.0	600.0	601.0	601.0	1.2	1.2	-120.68	-23.0	-38.7	45.0	42.5	2.47	18.176	
700.0	700.0	701.0	701.0	1.5	1.5	-120.68	-23.0	-38.7	45.0	42.1	2.92	15.382	
800.0	800.0	801.0	801.0	1.7	1.7	-120.68	-23.0	-38.7	45.0	41.6	3.37	13.333	
900.0	900.0	901.0	901.0	1.9	1.9	-120.68	-23.0	-38.7	45.0	41.2	3.82	11.765	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-120.68	-23.0	-38.7	45.0	40.7	4.27	10.527	
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-120.68	-23.0	-38.7	45.0	40.3	4.72	9.525	
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-120.68	-23.0	-38.7	45.0	39.8	5.17	8.697	CC, ES
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	124.60	-23.0	-38.7	45.9	40.3	5.60	8.204	
1,400.0	1,399.8	1,400.8	1,400.8	3.0	3.0	129.58	-23.0	-38.7	49.1	43.1	6.01	8.169	
1,500.0	1,499.5	1,500.5	1,500.5	3.2	3.3	136.49	-23.0	-38.7	55.1	48.7	6.43	8.571	
1,600.0	1,598.7	1,599.7	1,599.7	3.4	3.5	143.83	-23.0	-38.7	64.5	57.6	6.84	9.427	
1,700.0	1,697.5	1,698.5	1,698.5	3.7	3.7	150.50	-23.0	-38.7	77.7	70.5	7.25	10.717	
1,800.0	1,795.6	1,796.6	1,796.6	4.0	3.9	156.03	-23.0	-38.7	94.8	87.2	7.65	12.388	
1,900.0	1,893.1	1,897.5	1,897.5	4.3	4.1	160.14	-23.9	-37.3	114.4	106.4	8.04	14.236	
2,000.0	1,989.6	1,999.2	1,999.0	4.7	4.3	162.81	-27.0	-33.1	134.5	126.1	8.40	16.021	
2,069.0	2,055.8	2,069.8	2,069.4	5.0	4.5	164.10	-30.4	-28.4	148.6	140.0	8.65	17.177	
2,100.0	2,085.3	2,101.7	2,101.1	5.2	4.5	164.58	-32.2	-25.8	154.8	146.1	8.79	17.622	
2,200.0	2,180.8	2,205.5	2,204.1	5.7	4.7	165.59	-39.7	-15.4	172.8	163.6	9.24	18.703	
2,300.0	2,276.2	2,310.5	2,307.8	6.2	5.0	165.95	-49.5	-1.9	187.5	177.8	9.72	19.292	
2,400.0	2,371.6	2,416.4	2,411.6	6.8	5.3	165.83	-61.6	14.9	198.8	188.6	10.23	19.442	
2,500.0	2,467.1	2,516.6	2,509.5	7.4	5.6	165.48	-74.3	32.5	208.1	197.4	10.75	19.353	
2,600.0	2,562.5	2,616.2	2,606.7	7.9	5.9	165.16	-87.0	50.1	217.5	206.2	11.29	19.253	
2,700.0	2,657.9	2,715.7	2,703.9	8.5	6.3	164.87	-99.6	67.6	226.8	214.9	11.85	19.133	
2,800.0	2,753.4	2,815.3	2,801.0	9.1	6.6	164.61	-112.2	85.1	236.1	223.7	12.42	19.003	
2,900.0	2,848.8	2,914.9	2,898.2	9.7	7.0	164.36	-124.9	102.6	245.4	232.4	13.01	18.867	
3,000.0	2,944.2	3,014.4	2,995.4	10.3	7.4	164.13	-137.5	120.2	254.8	241.2	13.60	18.729	
3,100.0	3,039.7	3,114.0	3,092.6	11.0	7.8	163.92	-150.2	137.7	264.1	249.9	14.21	18.589	
3,200.0	3,135.1	3,213.5	3,189.8	11.6	8.2	163.72	-162.8	155.2	273.4	258.6	14.82	18.450	
3,300.0	3,230.5	3,313.1	3,287.0	12.2	8.6	163.53	-175.5	172.8	282.8	267.3	15.44	18.313	
3,400.0	3,326.0	3,412.6	3,384.1	12.8	9.1	163.36	-188.1	190.3	292.1	276.1	16.07	18.179	
3,500.0	3,421.4	3,512.2	3,481.3	13.4	9.5	163.20	-200.7	207.8	301.5	284.8	16.70	18.048	
3,600.0	3,516.8	3,611.8	3,578.5	14.1	9.9	163.04	-213.4	225.3	310.8	293.5	17.35	17.920	
3,700.0	3,612.3	3,711.3	3,675.7	14.7	10.4	162.90	-226.0	242.9	320.2	302.2	17.99	17.797	
3,800.0	3,707.7	3,810.9	3,772.9	15.3	10.8	162.76	-238.7	260.4	329.5	310.9	18.64	17.678	
3,900.0	3,803.1	3,910.4	3,870.1	15.9	11.3	162.64	-251.3	277.9	338.9	319.6	19.30	17.563	
4,000.0	3,898.6	4,010.0	3,967.3	16.6	11.7	162.52	-264.0	295.5	348.3	328.3	19.96	17.452	
4,100.0	3,994.0	4,109.6	4,064.4	17.2	12.2	162.40	-276.6	313.0	357.6	337.0	20.62	17.345	
4,200.0	4,089.4	4,209.1	4,161.6	17.8	12.6	162.29	-289.3	330.5	367.0	345.7	21.28	17.242	
4,300.0	4,184.9	4,308.7	4,258.8	18.5	13.1	162.19	-301.9	348.1	376.3	354.4	21.95	17.143	
4,400.0	4,280.3	4,408.2	4,356.0	19.1	13.5	162.09	-314.5	365.6	385.7	363.1	22.63	17.048	
4,500.0	4,375.7	4,507.8	4,453.2	19.7	14.0	161.99	-327.2	383.1	395.1	371.8	23.30	16.956	
4,600.0	4,471.2	4,607.3	4,550.4	20.4	14.4	161.91	-339.8	400.6	404.4	380.5	23.98	16.868	
4,700.0	4,566.6	4,706.9	4,647.5	21.0	14.9	161.82	-352.5	418.2	413.8	389.2	24.66	16.783	
4,800.0	4,662.0	4,806.5	4,744.7	21.6	15.4	161.74	-365.1	435.7	423.2	397.8	25.34	16.702	
4,900.0	4,757.5	4,906.0	4,841.9	22.3	15.8	161.66	-377.8	453.2	432.5	406.5	26.02	16.623	
5,000.0	4,852.9	5,005.6	4,939.1	22.9	16.3	161.58	-390.4	470.8	441.9	415.2	26.71	16.548	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,948.3	5,105.1	5,036.3	23.5	16.8	161.51	-403.0	488.3	451.3	423.9	27.39	16.475	
5,200.0	5,043.8	5,204.7	5,133.5	24.2	17.2	161.44	-415.7	505.8	460.7	432.6	28.08	16.405	
5,300.0	5,139.2	5,304.3	5,230.6	24.8	17.7	161.38	-428.3	523.3	470.0	441.3	28.77	16.337	
5,400.0	5,234.7	5,403.8	5,327.8	25.5	18.2	161.31	-441.0	540.9	479.4	449.9	29.46	16.272	
5,500.0	5,330.1	5,503.4	5,425.0	26.1	18.6	161.25	-453.6	558.4	488.8	458.6	30.15	16.210	
5,600.0	5,425.5	5,602.9	5,522.2	26.7	19.1	161.19	-466.3	575.9	498.1	467.3	30.85	16.149	
5,700.0	5,521.0	5,702.5	5,619.4	27.4	19.6	161.14	-478.9	593.5	507.5	476.0	31.54	16.090	
5,800.0	5,616.4	5,802.0	5,716.6	28.0	20.0	161.08	-491.5	611.0	516.9	484.7	32.24	16.034	
5,900.0	5,711.8	5,901.6	5,813.7	28.6	20.5	161.03	-504.2	628.5	526.3	493.3	32.93	15.979	
6,000.0	5,807.3	6,001.2	5,910.9	29.3	21.0	160.98	-516.8	646.1	535.6	502.0	33.63	15.927	
6,100.0	5,902.7	6,100.7	6,008.1	29.9	21.5	160.93	-529.5	663.6	545.0	510.7	34.33	15.876	
6,200.0	5,998.1	6,200.3	6,105.3	30.6	21.9	160.88	-542.1	681.1	554.4	519.4	35.03	15.826	
6,300.0	6,093.6	6,299.8	6,202.5	31.2	22.4	160.84	-554.8	698.6	563.8	528.0	35.73	15.778	
6,400.0	6,189.0	6,395.0	6,295.6	31.8	22.8	160.93	-565.5	715.4	573.3	537.0	36.35	15.774	
6,477.4	6,262.8	6,464.3	6,363.7	32.3	23.0	161.65	-566.6	727.7	581.7	545.2	36.52	15.929	
6,500.0	6,284.5	6,484.3	6,383.3	32.5	23.1	167.60	-565.7	731.3	584.3	547.8	36.46	16.024	
6,550.0	6,332.5	6,528.1	6,426.2	32.7	23.2	-177.90	-561.8	739.0	590.1	553.8	36.34	16.241	
6,600.0	6,380.6	6,571.5	6,468.5	32.9	23.3	-162.66	-555.3	746.6	595.9	559.7	36.21	16.457	
6,650.0	6,428.7	6,614.7	6,510.0	33.1	23.3	-148.37	-546.2	754.1	601.7	565.6	36.10	16.670	
6,700.0	6,476.3	6,657.6	6,550.7	33.3	23.4	-136.19	-534.7	761.5	607.4	571.4	35.99	16.876	
6,750.0	6,523.4	6,700.0	6,590.2	33.4	23.4	-126.39	-520.9	768.6	613.0	577.1	35.90	17.074	
6,800.0	6,569.6	6,742.6	6,628.9	33.6	23.4	-118.67	-504.8	775.6	618.5	582.6	35.83	17.262	
6,850.0	6,614.9	6,784.7	6,666.3	33.7	23.4	-112.59	-486.4	782.4	623.7	587.9	35.77	17.436	
6,900.0	6,658.8	6,826.8	6,702.4	33.7	23.4	-107.76	-466.0	788.9	628.7	593.0	35.73	17.597	
6,950.0	6,701.3	6,868.6	6,737.1	33.8	23.4	-103.89	-443.5	795.2	633.5	597.8	35.70	17.743	
7,000.0	6,742.0	6,910.4	6,770.4	33.8	23.4	-100.74	-419.1	801.2	638.0	602.3	35.70	17.871	
7,050.0	6,780.9	6,950.0	6,800.7	33.8	23.3	-98.17	-394.1	806.7	642.1	606.4	35.71	17.981	
7,100.0	6,817.8	6,993.6	6,832.4	33.9	23.3	-96.05	-364.7	812.4	646.0	610.2	35.75	18.068	
7,150.0	6,852.3	7,035.1	6,860.9	33.8	23.2	-94.31	-334.9	817.6	649.5	613.7	35.82	18.132	
7,200.0	6,884.5	7,076.6	6,887.6	33.8	23.1	-92.88	-303.6	822.4	652.6	616.7	35.92	18.169	
7,250.0	6,914.0	7,118.1	6,912.4	33.8	23.1	-91.72	-270.7	826.9	655.3	619.3	36.05	18.179	
7,300.0	6,940.9	7,159.6	6,935.4	33.7	23.0	-90.80	-236.4	831.1	657.7	621.5	36.22	18.158	
7,350.0	6,964.9	7,200.0	6,955.9	33.7	22.9	-90.08	-201.7	834.8	659.6	623.2	36.43	18.107	
7,400.0	6,985.9	7,242.8	6,975.4	33.6	22.9	-89.56	-163.9	838.4	661.2	624.5	36.70	18.017	
7,450.0	7,003.9	7,284.5	6,992.2	33.6	22.8	-89.21	-125.8	841.4	662.3	625.3	37.01	17.894	
7,500.0	7,018.6	7,326.2	7,006.9	33.5	22.7	-89.01	-86.8	844.1	663.0	625.6	37.38	17.738	
7,550.0	7,030.2	7,368.2	7,019.3	33.4	22.7	-88.97	-46.9	846.4	663.3	625.5	37.79	17.551	
7,600.0	7,038.5	7,410.2	7,029.5	33.4	22.6	-89.08	-6.1	848.2	663.2	624.9	38.26	17.334	
7,650.0	7,043.4	7,450.0	7,036.9	33.3	22.5	-89.31	33.0	849.6	662.7	623.9	38.76	17.096	
7,703.2	7,045.0	7,500.0	7,043.2	33.2	22.5	-89.76	82.5	850.8	661.7	622.3	39.40	16.796	
7,800.0	7,044.4	7,580.6	7,046.1	33.1	22.5	-90.06	163.0	851.3	660.6	620.2	40.39	16.356	
7,845.9	7,044.1	7,625.8	7,045.0	33.1	22.5	-89.99	208.2	851.2	660.6	619.6	40.96	16.128	
7,900.0	7,043.8	7,679.9	7,043.6	33.1	22.6	-89.90	262.3	851.0	660.6	618.9	41.66	15.858	
8,000.0	7,043.2	7,779.9	7,041.2	33.2	23.0	-89.74	362.3	850.6	660.6	617.3	43.21	15.287	
8,100.0	7,042.6	7,879.9	7,038.7	33.4	23.7	-89.58	462.2	850.2	660.5	615.5	45.04	14.666	
8,168.6	7,042.2	7,948.5	7,037.0	33.6	24.4	-89.46	530.8	849.9	660.5	614.1	46.45	14.221	
8,200.0	7,042.0	7,979.9	7,036.2	33.7	24.7	-89.41	562.2	849.8	660.5	613.4	47.11	14.023	
8,300.0	7,041.4	8,079.8	7,033.7	34.1	25.8	-89.25	662.1	849.4	660.6	611.2	49.38	13.376	
8,400.0	7,040.7	8,179.8	7,031.3	34.7	27.0	-89.09	762.1	849.0	660.6	608.7	51.84	12.742	
8,500.0	7,040.1	8,279.8	7,028.8	35.4	28.3	-88.93	862.0	848.6	660.6	606.1	54.46	12.130	
8,600.0	7,039.5	8,379.8	7,026.3	36.3	29.7	-88.77	962.0	848.3	660.6	603.4	57.21	11.547	
8,700.0	7,038.9	8,479.8	7,023.8	37.3	31.2	-88.60	1,061.9	847.9	660.6	600.5	60.08	10.996	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.0	7,038.3	8,579.7	7,021.3	38.3	32.7	-88.44	1,161.9	847.5	660.7	597.6	63.05	10.479	
8,900.0	7,037.7	8,679.7	7,018.9	39.5	34.2	-88.28	1,261.8	847.1	660.7	594.6	66.10	9.995	
9,000.0	7,037.1	8,779.7	7,016.4	40.8	35.8	-88.12	1,361.8	846.7	660.7	591.5	69.23	9.543	
9,100.0	7,036.5	8,879.7	7,013.9	42.1	37.4	-87.96	1,461.7	846.3	660.8	588.3	72.43	9.123	
9,200.0	7,035.9	8,979.7	7,011.4	43.5	39.0	-87.79	1,561.7	846.0	660.8	585.1	75.68	8.731	
9,300.0	7,035.2	9,079.7	7,009.0	45.0	40.6	-87.63	1,661.6	845.6	660.9	581.9	78.99	8.367	
9,400.0	7,034.6	9,179.6	7,006.5	46.5	42.3	-87.47	1,761.6	845.2	660.9	578.6	82.33	8.028	
9,500.0	7,034.0	9,279.6	7,004.0	48.0	44.0	-87.31	1,861.5	844.8	661.0	575.3	85.72	7.712	
9,600.0	7,033.4	9,379.6	7,001.5	49.5	45.7	-87.15	1,961.5	844.4	661.1	572.0	89.13	7.417	
9,700.0	7,032.8	9,479.6	6,999.0	51.1	47.4	-86.99	2,061.4	844.0	661.2	568.6	92.58	7.141	
9,800.0	7,032.2	9,579.6	6,996.6	52.7	49.2	-86.82	2,161.4	843.7	661.2	565.2	96.06	6.884	
9,900.0	7,031.6	9,679.6	6,994.1	54.4	50.9	-86.66	2,261.3	843.3	661.3	561.8	99.55	6.643	
10,000.0	7,031.0	9,779.5	6,991.6	56.0	52.7	-86.50	2,361.3	842.9	661.4	558.4	103.07	6.417	
10,100.0	7,030.4	9,879.5	6,989.1	57.7	54.5	-86.34	2,461.2	842.5	661.5	554.9	106.60	6.205	
10,200.0	7,029.7	9,979.5	6,986.7	59.4	56.2	-86.18	2,561.2	842.1	661.6	551.5	110.16	6.006	
10,300.0	7,029.1	10,079.5	6,984.2	61.1	58.0	-86.02	2,661.1	841.7	661.7	548.0	113.72	5.819	
10,400.0	7,028.5	10,179.5	6,981.7	62.8	59.8	-85.86	2,761.1	841.4	661.9	544.6	117.30	5.642	
10,500.0	7,027.9	10,279.4	6,979.2	64.5	61.6	-85.69	2,861.0	841.0	662.0	541.1	120.89	5.476	
10,600.0	7,027.3	10,379.4	6,976.7	66.2	63.5	-85.53	2,961.0	840.6	662.1	537.6	124.49	5.318	
10,700.0	7,026.7	10,479.4	6,974.3	68.0	65.3	-85.37	3,060.9	840.2	662.2	534.1	128.11	5.169	
10,800.0	7,026.1	10,579.4	6,971.8	69.7	67.1	-85.21	3,160.9	839.8	662.4	530.6	131.72	5.028	
10,900.0	7,025.5	10,679.4	6,969.3	71.5	68.9	-85.05	3,260.9	839.4	662.5	527.2	135.35	4.895	
11,000.0	7,024.9	10,779.4	6,966.8	73.3	70.8	-84.89	3,360.8	839.1	662.7	523.7	138.98	4.768	
11,100.0	7,024.3	10,879.3	6,964.4	75.1	72.6	-84.73	3,460.8	838.7	662.8	520.2	142.62	4.647	
11,200.0	7,023.6	10,979.3	6,961.9	76.8	74.4	-84.57	3,560.7	838.3	663.0	516.7	146.26	4.533	
11,300.0	7,023.0	11,079.3	6,959.4	78.6	76.3	-84.41	3,660.7	837.9	663.1	513.2	149.91	4.424	
11,400.0	7,022.4	11,179.3	6,956.9	80.4	78.1	-84.25	3,760.6	837.5	663.3	509.7	153.56	4.319	
11,500.0	7,021.8	11,279.3	6,954.4	82.2	80.0	-84.09	3,860.6	837.1	663.5	506.3	157.21	4.220	
11,600.0	7,021.2	11,379.3	6,952.0	84.1	81.8	-83.92	3,960.5	836.8	663.6	502.8	160.87	4.125	
11,700.0	7,020.6	11,479.2	6,949.5	85.9	83.7	-83.76	4,060.5	836.4	663.8	499.3	164.53	4.035	
11,775.0	7,020.1	11,554.2	6,947.6	87.2	85.1	-83.64	4,135.4	836.1	664.0	496.7	167.28	3.969	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-120.57	-15.3	-25.9	30.1	30.1	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-120.57	-15.3	-25.9	30.1	29.8	0.23	132.418	
200.0	200.0	201.0	201.0	0.3	0.3	-120.57	-15.3	-25.9	30.1	29.4	0.68	44.433	
300.0	300.0	301.0	301.0	0.6	0.6	-120.57	-15.3	-25.9	30.1	28.9	1.13	26.695	
400.0	400.0	401.0	401.0	0.8	0.8	-120.57	-15.3	-25.9	30.1	28.5	1.58	19.079	
500.0	500.0	501.0	501.0	1.0	1.0	-120.57	-15.3	-25.9	30.1	28.0	2.03	14.844	
600.0	600.0	601.0	601.0	1.2	1.2	-120.57	-15.3	-25.9	30.1	27.6	2.47	12.147	
700.0	700.0	701.0	701.0	1.5	1.5	-120.57	-15.3	-25.9	30.1	27.1	2.92	10.280	
800.0	800.0	801.0	801.0	1.7	1.7	-120.57	-15.3	-25.9	30.1	26.7	3.37	8.910	
900.0	900.0	901.0	901.0	1.9	1.9	-120.57	-15.3	-25.9	30.1	26.2	3.82	7.863	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-120.57	-15.3	-25.9	30.1	25.8	4.27	7.035	
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-120.57	-15.3	-25.9	30.1	25.3	4.72	6.366	
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-120.57	-15.3	-25.9	30.1	24.9	5.17	5.812	CC, ES
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	125.58	-15.3	-25.9	31.0	25.4	5.60	5.543	
1,400.0	1,399.8	1,400.8	1,400.8	3.0	3.0	132.65	-15.3	-25.9	34.4	28.3	6.01	5.715	
1,500.0	1,499.5	1,500.5	1,500.5	3.2	3.3	141.60	-15.3	-25.9	40.8	34.3	6.42	6.347	
1,600.0	1,598.7	1,599.7	1,599.7	3.4	3.5	150.03	-15.3	-25.9	50.9	44.1	6.83	7.451	
1,700.0	1,697.5	1,700.5	1,700.4	3.7	3.7	156.23	-16.2	-24.4	63.4	56.2	7.22	8.786	
1,800.0	1,795.6	1,801.7	1,801.6	4.0	3.9	160.21	-18.8	-19.7	76.4	68.9	7.58	10.082	
1,900.0	1,893.1	1,903.5	1,903.0	4.3	4.1	162.89	-23.3	-11.9	89.7	81.8	7.95	11.285	
2,000.0	1,989.6	2,005.8	2,004.5	4.7	4.3	164.75	-29.6	-1.0	103.2	94.9	8.33	12.383	
2,069.0	2,055.8	2,076.7	2,074.5	5.0	4.5	165.70	-35.0	8.4	112.5	103.9	8.60	13.076	
2,100.0	2,085.3	2,108.7	2,106.0	5.2	4.6	166.06	-37.7	13.2	116.5	107.8	8.74	13.324	
2,200.0	2,180.8	2,212.3	2,207.6	5.7	4.9	166.77	-47.7	30.7	127.3	118.0	9.22	13.800	
2,300.0	2,276.2	2,316.6	2,309.2	6.2	5.2	166.93	-59.7	51.5	134.5	124.8	9.73	13.832	
2,400.0	2,371.6	2,419.0	2,408.0	6.8	5.6	166.69	-73.0	74.6	138.7	128.5	10.26	13.524	
2,500.0	2,467.1	2,518.9	2,504.3	7.4	6.0	166.41	-86.2	97.7	142.5	131.7	10.80	13.189	
2,600.0	2,562.5	2,618.8	2,600.7	7.9	6.4	166.14	-99.4	120.7	146.2	134.8	11.37	12.865	
2,700.0	2,657.9	2,718.8	2,697.0	8.5	6.9	165.89	-112.6	143.8	149.9	138.0	11.94	12.556	
2,800.0	2,753.4	2,818.7	2,793.3	9.1	7.4	165.65	-125.8	166.8	153.7	141.2	12.53	12.263	
2,900.0	2,848.8	2,918.6	2,889.6	9.7	7.9	165.42	-139.1	189.8	157.4	144.3	13.13	11.985	
3,000.0	2,944.2	3,018.6	2,986.0	10.3	8.4	165.20	-152.3	212.9	161.2	147.4	13.75	11.724	
3,100.0	3,039.7	3,118.5	3,082.3	11.0	8.9	165.00	-165.5	235.9	164.9	150.5	14.37	11.477	
3,200.0	3,135.1	3,218.4	3,178.6	11.6	9.4	164.80	-178.7	259.0	168.7	153.7	15.00	11.244	
3,300.0	3,230.5	3,318.3	3,275.0	12.2	9.9	164.61	-191.9	282.0	172.4	156.8	15.64	11.025	
3,400.0	3,326.0	3,418.3	3,371.3	12.8	10.5	164.43	-205.1	305.1	176.2	159.9	16.29	10.818	
3,500.0	3,421.4	3,518.2	3,467.6	13.4	11.0	164.25	-218.4	328.1	179.9	163.0	16.94	10.623	
3,600.0	3,516.8	3,618.1	3,564.0	14.1	11.5	164.08	-231.6	351.1	183.7	166.1	17.60	10.439	
3,700.0	3,612.3	3,718.1	3,660.3	14.7	12.1	163.92	-244.8	374.2	187.4	169.2	18.26	10.265	
3,800.0	3,707.7	3,818.0	3,756.6	15.3	12.6	163.77	-258.0	397.2	191.2	172.3	18.93	10.101	
3,900.0	3,803.1	3,917.9	3,853.0	15.9	13.2	163.62	-271.2	420.3	195.0	175.4	19.60	9.945	
4,000.0	3,898.6	4,017.8	3,949.3	16.6	13.7	163.48	-284.5	443.3	198.7	178.4	20.28	9.798	
4,100.0	3,994.0	4,117.8	4,045.6	17.2	14.3	163.34	-297.7	466.4	202.5	181.5	20.96	9.659	
4,200.0	4,089.4	4,217.7	4,142.0	17.8	14.8	163.21	-310.9	489.4	206.2	184.6	21.65	9.527	
4,300.0	4,184.9	4,317.6	4,238.3	18.5	15.4	163.08	-324.1	512.4	210.0	187.7	22.34	9.402	
4,400.0	4,280.3	4,417.5	4,334.6	19.1	15.9	162.96	-337.3	535.5	213.8	190.7	23.03	9.282	
4,500.0	4,375.7	4,517.5	4,431.0	19.7	16.5	162.84	-350.6	558.5	217.5	193.8	23.73	9.169	
4,600.0	4,471.2	4,617.4	4,527.3	20.4	17.0	162.73	-363.8	581.6	221.3	196.9	24.42	9.061	
4,700.0	4,566.6	4,717.3	4,623.6	21.0	17.6	162.61	-377.0	604.6	225.1	200.0	25.12	8.958	
4,800.0	4,662.0	4,817.3	4,720.0	21.6	18.2	162.51	-390.2	627.6	228.8	203.0	25.83	8.860	
4,900.0	4,757.5	4,917.2	4,816.3	22.3	18.7	162.40	-403.4	650.7	232.6	206.1	26.53	8.767	
5,000.0	4,852.9	5,017.1	4,912.6	22.9	19.3	162.30	-416.7	673.7	236.4	209.1	27.24	8.677	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,948.3	5,117.0	5,009.0	23.5	19.9	162.21	-429.9	696.8	240.2	212.2	27.95	8.592	
5,200.0	5,043.8	5,217.0	5,105.3	24.2	20.4	162.11	-443.1	719.8	243.9	215.3	28.66	8.510	
5,300.0	5,139.2	5,316.9	5,201.6	24.8	21.0	162.02	-456.3	742.9	247.7	218.3	29.38	8.432	
5,400.0	5,234.7	5,416.8	5,298.0	25.5	21.6	161.93	-469.5	765.9	251.5	221.4	30.09	8.357	
5,500.0	5,330.1	5,516.8	5,394.3	26.1	22.1	161.85	-482.7	788.9	255.2	224.4	30.81	8.285	
5,600.0	5,425.5	5,616.7	5,490.6	26.7	22.7	161.76	-496.0	812.0	259.0	227.5	31.53	8.215	
5,700.0	5,521.0	5,716.6	5,587.0	27.4	23.3	161.68	-509.2	835.0	262.8	230.5	32.25	8.149	
5,800.0	5,616.4	5,816.5	5,683.3	28.0	23.8	161.60	-522.4	858.1	266.6	233.6	32.97	8.085	
5,900.0	5,711.8	5,916.5	5,779.6	28.6	24.4	161.53	-535.6	881.1	270.3	236.7	33.69	8.024	
6,000.0	5,807.3	6,016.4	5,876.0	29.3	25.0	161.45	-548.8	904.2	274.1	239.7	34.42	7.964	
6,100.0	5,902.7	6,116.3	5,972.3	29.9	25.5	161.38	-562.1	927.2	277.9	242.8	35.14	7.907	
6,200.0	5,998.1	6,216.3	6,068.6	30.6	26.1	161.31	-575.3	950.2	281.7	245.8	35.87	7.853	
6,300.0	6,093.6	6,316.2	6,164.9	31.2	26.7	161.24	-588.5	973.3	285.5	248.9	36.60	7.800	
6,400.0	6,189.0	6,415.9	6,261.1	31.8	27.2	161.18	-601.7	996.3	289.2	251.9	37.32	7.749	
6,477.4	6,262.8	6,489.2	6,332.2	32.3	27.6	161.94	-607.2	1,013.3	292.7	255.2	37.51	7.805	
6,500.0	6,284.5	6,510.5	6,352.8	32.5	27.6	167.91	-607.4	1,018.2	293.9	256.5	37.44	7.851	
6,550.0	6,332.5	6,557.2	6,398.2	32.7	27.8	-177.56	-605.6	1,029.0	296.6	259.3	37.28	7.957	
6,600.0	6,380.6	6,603.6	6,443.2	32.9	27.9	-162.29	-600.8	1,039.8	299.4	262.2	37.13	8.062	
6,650.0	6,428.7	6,650.0	6,487.6	33.1	28.1	-147.97	-593.1	1,050.4	302.1	265.1	37.00	8.166	
6,700.0	6,476.3	6,695.7	6,530.9	33.3	28.2	-135.78	-582.6	1,060.7	304.9	268.0	36.88	8.266	
6,750.0	6,523.4	6,741.4	6,573.4	33.4	28.2	-125.96	-569.2	1,070.8	307.6	270.8	36.78	8.363	
6,800.0	6,569.6	6,786.9	6,614.8	33.6	28.3	-118.24	-553.2	1,080.6	310.2	273.5	36.70	8.453	
6,850.0	6,614.9	6,832.2	6,655.0	33.7	28.3	-112.16	-534.7	1,090.2	312.8	276.2	36.64	8.537	
6,900.0	6,658.8	6,877.3	6,693.7	33.7	28.4	-107.34	-513.6	1,099.4	315.3	278.7	36.60	8.615	
6,950.0	6,701.3	6,922.2	6,731.1	33.8	28.4	-103.48	-490.1	1,108.2	317.6	281.1	36.58	8.684	
7,000.0	6,742.0	6,967.0	6,766.8	33.8	28.4	-100.35	-464.4	1,116.7	319.9	283.3	36.58	8.745	
7,050.0	6,780.9	7,011.8	6,800.7	33.8	28.4	-97.79	-436.5	1,124.7	321.9	285.3	36.60	8.796	
7,100.0	6,817.8	7,056.4	6,832.9	33.9	28.3	-95.70	-406.5	1,132.3	323.8	287.2	36.64	8.837	
7,150.0	6,852.3	7,100.0	6,862.5	33.8	28.3	-93.98	-375.3	1,139.3	325.5	288.8	36.72	8.866	
7,200.0	6,884.5	7,145.4	6,891.3	33.8	28.3	-92.58	-340.9	1,146.1	327.0	290.2	36.83	8.881	
7,250.0	6,914.0	7,189.8	6,917.4	33.8	28.2	-91.46	-305.4	1,152.3	328.4	291.4	36.97	8.881	
7,300.0	6,940.9	7,234.3	6,941.3	33.7	28.2	-90.57	-268.4	1,157.9	329.5	292.3	37.16	8.866	
7,350.0	6,964.9	7,278.7	6,963.0	33.7	28.1	-89.89	-230.0	1,163.0	330.3	293.0	37.39	8.834	
7,400.0	6,985.9	7,323.1	6,982.2	33.6	28.0	-89.40	-190.2	1,167.5	331.0	293.3	37.68	8.785	
7,450.0	7,003.9	7,367.6	6,999.1	33.6	28.0	-89.08	-149.2	1,171.4	331.5	293.5	38.02	8.719	
7,500.0	7,018.6	7,412.1	7,013.5	33.5	27.9	-88.93	-107.2	1,174.7	331.7	293.3	38.41	8.637	
7,550.0	7,030.2	7,456.8	7,025.3	33.4	27.9	-88.93	-64.3	1,177.4	331.7	292.9	38.85	8.538	
7,600.0	7,038.5	7,500.0	7,034.2	33.4	27.8	-89.07	-22.0	1,179.5	331.6	292.2	39.34	8.427	
7,650.0	7,043.4	7,546.3	7,041.0	33.3	27.8	-89.38	23.7	1,181.0	331.2	291.2	39.91	8.298	
7,703.2	7,045.0	7,594.1	7,045.0	33.2	27.7	-89.84	71.4	1,181.8	330.5	290.0	40.55	8.151	
7,765.4	7,044.6	7,651.7	7,045.9	33.2	27.7	-90.05	129.0	1,181.9	330.2	289.0	41.20	8.015	
7,800.0	7,044.4	7,686.3	7,045.7	33.1	27.7	-90.05	163.6	1,181.7	330.2	288.6	41.56	7.945	
7,900.0	7,043.8	7,786.3	7,045.1	33.1	27.7	-90.05	263.6	1,181.3	330.2	287.4	42.81	7.713	
8,000.0	7,043.2	7,886.3	7,044.5	33.2	27.9	-90.05	363.6	1,180.9	330.2	285.9	44.34	7.446	
8,100.0	7,042.6	7,986.3	7,043.9	33.4	28.2	-90.05	463.6	1,180.5	330.2	284.0	46.15	7.155	
8,200.0	7,042.0	8,086.3	7,043.3	33.7	28.7	-90.05	563.6	1,180.1	330.2	282.0	48.19	6.851	
8,300.0	7,041.4	8,186.3	7,042.6	34.1	29.4	-90.05	663.5	1,179.7	330.2	279.7	50.45	6.545	
8,400.0	7,040.7	8,286.3	7,042.0	34.7	30.3	-90.05	763.5	1,179.3	330.2	277.3	52.89	6.243	
8,500.0	7,040.1	8,386.3	7,041.4	35.4	31.4	-90.05	863.5	1,178.9	330.2	274.7	55.49	5.951	
8,600.0	7,039.5	8,486.3	7,040.8	36.3	32.5	-90.05	963.5	1,178.5	330.2	272.0	58.23	5.671	
8,700.0	7,038.9	8,586.3	7,040.2	37.3	33.8	-90.05	1,063.5	1,178.1	330.2	269.1	61.09	5.406	
8,800.0	7,038.3	8,686.3	7,039.6	38.3	35.1	-90.05	1,163.5	1,177.7	330.2	266.2	64.05	5.156	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.0	7,037.7	8,786.3	7,039.0	39.5	36.5	-90.05	1,263.5	1,177.3	330.2	263.1	67.10	4.921	
9,000.0	7,037.1	8,886.3	7,038.4	40.8	37.9	-90.05	1,363.5	1,176.9	330.2	260.0	70.23	4.702	
9,100.0	7,036.5	8,986.3	7,037.8	42.1	39.4	-90.05	1,463.5	1,176.5	330.2	256.8	73.42	4.497	
9,200.0	7,035.9	9,086.3	7,037.1	43.5	41.0	-90.05	1,563.5	1,176.1	330.2	253.5	76.68	4.306	
9,300.0	7,035.2	9,186.3	7,036.5	45.0	42.5	-90.05	1,663.5	1,175.7	330.2	250.2	79.99	4.128	
9,400.0	7,034.6	9,286.3	7,035.9	46.5	44.1	-90.05	1,763.5	1,175.3	330.2	246.9	83.34	3.962	
9,500.0	7,034.0	9,386.3	7,035.3	48.0	45.8	-90.05	1,863.5	1,174.9	330.2	243.5	86.74	3.807	
9,600.0	7,033.4	9,486.3	7,034.7	49.5	47.4	-90.05	1,963.5	1,174.5	330.2	240.0	90.17	3.662	
9,700.0	7,032.8	9,586.3	7,034.1	51.1	49.1	-90.05	2,063.5	1,174.1	330.2	236.6	93.64	3.526	
9,800.0	7,032.2	9,686.3	7,033.5	52.7	50.8	-90.05	2,163.5	1,173.7	330.2	233.1	97.13	3.400	
9,900.0	7,031.6	9,786.3	7,032.9	54.4	52.5	-90.05	2,263.5	1,173.3	330.2	229.5	100.65	3.281	
10,000.0	7,031.0	9,886.3	7,032.3	56.0	54.2	-90.05	2,363.5	1,172.9	330.2	226.0	104.19	3.169	
10,100.0	7,030.4	9,986.3	7,031.6	57.7	55.9	-90.05	2,463.5	1,172.5	330.2	222.4	107.75	3.064	
10,200.0	7,029.7	10,086.3	7,031.0	59.4	57.6	-90.05	2,563.5	1,172.1	330.2	218.9	111.33	2.966	
10,300.0	7,029.1	10,186.3	7,030.4	61.1	59.4	-90.05	2,663.5	1,171.7	330.2	215.3	114.93	2.873	
10,400.0	7,028.5	10,286.3	7,029.8	62.8	61.2	-90.05	2,763.5	1,171.3	330.2	211.6	118.55	2.785	
10,500.0	7,027.9	10,386.3	7,029.2	64.5	62.9	-90.05	2,863.5	1,170.9	330.2	208.0	122.18	2.703	
10,600.0	7,027.3	10,486.3	7,028.6	66.2	64.7	-90.05	2,963.5	1,170.5	330.2	204.4	125.82	2.624	
10,700.0	7,026.7	10,586.3	7,028.0	68.0	66.5	-90.05	3,063.5	1,170.1	330.2	200.7	129.47	2.550	
10,800.0	7,026.1	10,686.3	7,027.4	69.7	68.3	-90.05	3,163.5	1,169.7	330.2	197.1	133.14	2.480	
10,900.0	7,025.5	10,786.3	7,026.8	71.5	70.1	-90.05	3,263.5	1,169.3	330.2	193.4	136.81	2.414	
11,000.0	7,024.9	10,886.3	7,026.1	73.3	71.9	-90.05	3,363.5	1,168.9	330.2	189.7	140.49	2.350	
11,100.0	7,024.3	10,986.3	7,025.5	75.1	73.7	-90.05	3,463.5	1,168.5	330.2	186.0	144.19	2.290	
11,200.0	7,023.6	11,086.3	7,024.9	76.8	75.5	-90.05	3,563.5	1,168.1	330.2	182.3	147.89	2.233	
11,300.0	7,023.0	11,186.3	7,024.3	78.6	77.3	-90.05	3,663.5	1,167.7	330.2	178.6	151.59	2.178	
11,400.0	7,022.4	11,286.3	7,023.7	80.4	79.2	-90.05	3,763.5	1,167.3	330.2	174.9	155.31	2.126	
11,500.0	7,021.8	11,386.3	7,023.1	82.2	81.0	-90.05	3,863.5	1,166.9	330.2	171.2	159.03	2.076	
11,600.0	7,021.2	11,486.3	7,022.5	84.1	82.8	-90.05	3,963.5	1,166.5	330.2	167.4	162.75	2.029	
11,700.0	7,020.6	11,586.3	7,021.9	85.9	84.7	-90.05	4,063.5	1,166.1	330.2	163.7	166.48	1.983	
11,775.0	7,020.1	11,661.3	7,021.4	87.2	86.1	-90.05	4,138.4	1,165.8	330.2	160.9	169.29	1.951	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix N-29HC - Wellbore #1 - Plan #1 (10-08-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-120.28	-7.6	-13.1	15.1	15.1	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-120.28	-7.6	-13.1	15.1	14.9	0.23	66.724	
200.0	200.0	201.0	201.0	0.3	0.3	-120.28	-7.6	-13.1	15.1	14.5	0.68	22.389	
300.0	300.0	301.0	301.0	0.6	0.6	-120.28	-7.6	-13.1	15.1	14.0	1.13	13.451	
400.0	400.0	401.0	401.0	0.8	0.8	-120.28	-7.6	-13.1	15.1	13.6	1.58	9.614	
500.0	500.0	501.0	501.0	1.0	1.0	-120.28	-7.6	-13.1	15.1	13.1	2.03	7.480	
600.0	600.0	601.0	601.0	1.2	1.2	-120.28	-7.6	-13.1	15.1	12.7	2.47	6.121	
700.0	700.0	701.0	701.0	1.5	1.5	-120.28	-7.6	-13.1	15.1	12.2	2.92	5.180	
800.0	800.0	801.0	801.0	1.7	1.7	-120.28	-7.6	-13.1	15.1	11.8	3.37	4.490	
900.0	900.0	901.0	901.0	1.9	1.9	-120.28	-7.6	-13.1	15.1	11.3	3.82	3.962	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-120.28	-7.6	-13.1	15.1	10.9	4.27	3.545	
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-120.28	-7.6	-13.1	15.1	10.4	4.72	3.208	
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-120.28	-7.6	-13.1	15.1	10.0	5.17	2.929	CC, ES
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	128.35	-7.6	-13.1	16.2	10.6	5.60	2.887	
1,400.0	1,399.8	1,400.8	1,400.8	3.0	3.0	140.23	-7.6	-13.1	19.8	13.8	6.01	3.302	
1,500.0	1,499.5	1,501.2	1,501.2	3.2	3.2	150.14	-8.5	-11.5	25.6	19.2	6.40	4.001	
1,600.0	1,598.7	1,601.9	1,601.7	3.4	3.4	156.15	-11.0	-6.8	31.8	25.1	6.77	4.706	
1,700.0	1,697.5	1,702.8	1,702.2	3.7	3.6	160.02	-15.1	1.0	38.3	31.2	7.14	5.368	
1,800.0	1,795.6	1,803.9	1,802.6	4.0	3.9	162.65	-21.0	12.0	44.9	37.4	7.52	5.974	
1,900.0	1,893.1	1,905.3	1,902.7	4.3	4.1	164.50	-28.5	26.2	51.6	43.7	7.91	6.520	
2,000.0	1,989.6	2,007.0	2,002.4	4.7	4.4	165.82	-37.6	43.5	58.2	49.9	8.31	7.006	
2,069.0	2,055.8	2,077.3	2,071.0	5.0	4.7	166.52	-45.0	57.3	62.8	54.2	8.60	7.306	
2,100.0	2,085.3	2,108.9	2,101.7	5.2	4.8	166.77	-48.5	64.0	64.7	56.0	8.75	7.397	
2,200.0	2,180.8	2,211.0	2,200.2	5.7	5.2	166.98	-61.0	87.7	68.6	59.3	9.26	7.408	
2,300.0	2,276.2	2,311.0	2,296.3	6.2	5.6	166.84	-74.1	112.3	70.8	61.0	9.79	7.235	
2,400.0	2,371.6	2,411.0	2,392.3	6.8	6.1	166.71	-87.1	136.9	73.1	62.7	10.34	7.068	
2,500.0	2,467.1	2,511.0	2,488.3	7.4	6.6	166.58	-100.1	161.4	75.3	64.4	10.90	6.908	
2,600.0	2,562.5	2,610.9	2,584.3	7.9	7.1	166.46	-113.2	186.0	77.5	66.1	11.48	6.756	
2,700.0	2,657.9	2,710.9	2,680.4	8.5	7.6	166.35	-126.2	210.6	79.8	67.7	12.06	6.612	
2,800.0	2,753.4	2,810.9	2,776.4	9.1	8.1	166.25	-139.2	235.2	82.0	69.3	12.66	6.476	
2,900.0	2,848.8	2,910.9	2,872.4	9.7	8.7	166.15	-152.2	259.8	84.2	71.0	13.27	6.349	
3,000.0	2,944.2	3,010.8	2,968.4	10.3	9.2	166.05	-165.3	284.4	86.5	72.6	13.88	6.229	
3,100.0	3,039.7	3,110.8	3,064.5	11.0	9.8	165.96	-178.3	308.9	88.7	74.2	14.50	6.117	
3,200.0	3,135.1	3,210.8	3,160.5	11.6	10.3	165.88	-191.3	333.5	91.0	75.8	15.13	6.011	
3,300.0	3,230.5	3,310.8	3,256.5	12.2	10.9	165.80	-204.4	358.1	93.2	77.4	15.76	5.912	
3,400.0	3,326.0	3,410.7	3,352.5	12.8	11.5	165.72	-217.4	382.7	95.4	79.0	16.40	5.819	
3,500.0	3,421.4	3,510.7	3,448.6	13.4	12.0	165.64	-230.4	407.3	97.7	80.6	17.04	5.731	
3,600.0	3,516.8	3,610.7	3,544.6	14.1	12.6	165.57	-243.5	431.9	99.9	82.2	17.69	5.648	
3,700.0	3,612.3	3,710.7	3,640.6	14.7	13.2	165.50	-256.5	456.5	102.1	83.8	18.34	5.570	
3,800.0	3,707.7	3,810.6	3,736.6	15.3	13.8	165.44	-269.5	481.0	104.4	85.4	18.99	5.497	
3,900.0	3,803.1	3,910.6	3,832.7	15.9	14.4	165.38	-282.5	505.6	106.6	87.0	19.65	5.427	
4,000.0	3,898.6	4,010.6	3,928.7	16.6	14.9	165.32	-295.6	530.2	108.9	88.6	20.31	5.361	
4,100.0	3,994.0	4,110.6	4,024.7	17.2	15.5	165.26	-308.6	554.8	111.1	90.1	20.97	5.299	
4,200.0	4,089.4	4,210.5	4,120.7	17.8	16.1	165.21	-321.6	579.4	113.3	91.7	21.63	5.240	
4,300.0	4,184.9	4,310.5	4,216.8	18.5	16.7	165.15	-334.7	604.0	115.6	93.3	22.30	5.184	
4,400.0	4,280.3	4,410.5	4,312.8	19.1	17.3	165.10	-347.7	628.6	117.8	94.9	22.96	5.131	
4,500.0	4,375.7	4,510.5	4,408.8	19.7	17.9	165.05	-360.7	653.1	120.1	96.4	23.63	5.081	
4,600.0	4,471.2	4,610.4	4,504.8	20.4	18.5	165.01	-373.7	677.7	122.3	98.0	24.30	5.033	
4,700.0	4,566.6	4,710.4	4,600.9	21.0	19.0	164.96	-386.8	702.3	124.5	99.6	24.98	4.987	
4,800.0	4,662.0	4,810.4	4,696.9	21.6	19.6	164.92	-399.8	726.9	126.8	101.1	25.65	4.943	
4,900.0	4,757.5	4,910.4	4,792.9	22.3	20.2	164.88	-412.8	751.5	129.0	102.7	26.33	4.901	
5,000.0	4,852.9	5,010.3	4,888.9	22.9	20.8	164.83	-425.9	776.1	131.3	104.3	27.00	4.861	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix N-29HC - Wellbore #1 - Plan #1 (10-08-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,948.3	5,110.3	4,985.0	23.5	21.4	164.80	-438.9	800.6	133.5	105.8	27.68	4.823	
5,200.0	5,043.8	5,210.3	5,081.0	24.2	22.0	164.76	-451.9	825.2	135.7	107.4	28.36	4.787	
5,300.0	5,139.2	5,310.3	5,177.0	24.8	22.6	164.72	-465.0	849.8	138.0	109.0	29.04	4.752	
5,400.0	5,234.7	5,410.2	5,273.0	25.5	23.2	164.68	-478.0	874.4	140.2	110.5	29.72	4.718	
5,500.0	5,330.1	5,510.2	5,369.1	26.1	23.8	164.65	-491.0	899.0	142.5	112.1	30.40	4.686	
5,600.0	5,425.5	5,610.2	5,465.1	26.7	24.4	164.62	-504.0	923.6	144.7	113.6	31.08	4.655	
5,700.0	5,521.0	5,710.2	5,561.1	27.4	25.0	164.58	-517.1	948.2	147.0	115.2	31.77	4.626	
5,800.0	5,616.4	5,810.1	5,657.1	28.0	25.6	164.55	-530.1	972.7	149.2	116.7	32.45	4.597	
5,900.0	5,711.8	5,910.1	5,753.2	28.6	26.2	164.52	-543.1	997.3	151.4	118.3	33.14	4.570	
6,000.0	5,807.3	6,010.1	5,849.2	29.3	26.8	164.49	-556.2	1,021.9	153.7	119.9	33.82	4.543	
6,100.0	5,902.7	6,110.1	5,945.2	29.9	27.4	164.46	-569.2	1,046.5	155.9	121.4	34.51	4.518	
6,200.0	5,998.1	6,210.0	6,041.2	30.6	27.9	164.44	-582.2	1,071.1	158.2	123.0	35.20	4.493	
6,300.0	6,093.6	6,310.0	6,137.3	31.2	28.5	164.41	-595.2	1,095.7	160.4	124.5	35.89	4.470	
6,400.0	6,189.0	6,410.0	6,233.3	31.8	29.1	164.38	-608.3	1,120.3	162.6	126.1	36.57	4.447	
6,477.4	6,262.8	6,487.3	6,307.6	32.3	29.6	164.36	-618.4	1,139.3	164.4	127.3	37.11	4.430	
6,500.0	6,284.5	6,510.0	6,329.3	32.5	29.7	169.72	-621.3	1,144.8	164.8	127.5	37.30	4.419	
6,550.0	6,332.5	6,558.8	6,376.3	32.7	30.0	-177.72	-627.1	1,156.9	165.5	127.6	37.92	4.365	
6,600.0	6,380.6	6,607.0	6,422.9	32.9	30.2	-164.46	-629.8	1,168.8	166.2	127.6	38.54	4.312	
6,650.0	6,428.7	6,655.4	6,469.8	33.1	30.4	-152.12	-629.2	1,180.8	166.9	127.8	39.15	4.264	
6,700.0	6,476.3	6,704.0	6,516.7	33.3	30.6	-141.86	-625.4	1,192.7	167.7	128.0	39.72	4.222	
6,750.0	6,523.4	6,752.8	6,563.5	33.4	30.7	-133.93	-618.2	1,204.7	168.5	128.2	40.25	4.186	
6,800.0	6,569.6	6,801.8	6,609.9	33.6	30.8	-128.05	-607.7	1,216.5	169.4	128.6	40.73	4.157	
6,850.0	6,614.9	6,851.1	6,655.7	33.7	30.9	-123.74	-593.9	1,228.1	170.3	129.1	41.16	4.136	
6,900.0	6,658.8	6,900.6	6,700.7	33.7	31.0	-120.63	-576.8	1,239.5	171.2	129.7	41.52	4.123	
6,950.0	6,701.3	6,950.3	6,744.7	33.8	31.1	-118.41	-556.4	1,250.7	172.2	130.4	41.81	4.118	
7,000.0	6,742.0	7,000.2	6,787.3	33.8	31.1	-116.83	-532.9	1,261.5	173.2	131.2	42.03	4.121	
7,050.0	6,780.9	7,050.4	6,828.5	33.8	31.2	-115.75	-506.1	1,271.9	174.3	132.1	42.17	4.132	
7,100.0	6,817.8	7,100.9	6,868.0	33.9	31.2	-115.05	-476.3	1,281.9	175.4	133.1	42.24	4.151	
7,150.0	6,852.3	7,151.6	6,905.5	33.8	31.1	-114.63	-443.6	1,291.3	176.4	134.2	42.25	4.176	
7,200.0	6,884.5	7,202.5	6,940.8	33.8	31.1	-114.43	-408.0	1,300.2	177.5	135.3	42.19	4.208	
7,250.0	6,914.0	7,253.7	6,973.8	33.8	31.1	-114.41	-369.7	1,308.5	178.6	136.5	42.09	4.243	
7,300.0	6,940.9	7,305.1	7,004.1	33.7	31.0	-114.51	-328.9	1,316.1	179.7	137.7	41.97	4.282	
7,350.0	6,964.9	7,356.8	7,031.7	33.7	31.0	-114.73	-285.8	1,322.9	180.7	138.9	41.83	4.321	
7,400.0	6,985.9	7,408.7	7,056.3	33.6	30.9	-115.02	-240.5	1,329.0	181.8	140.1	41.70	4.359	
7,450.0	7,003.9	7,460.8	7,077.7	33.6	30.8	-115.37	-193.3	1,334.3	182.7	141.1	41.60	4.392	
7,500.0	7,018.6	7,513.2	7,095.8	33.5	30.8	-115.78	-144.4	1,338.7	183.6	142.0	41.56	4.418	
7,550.0	7,030.2	7,565.7	7,110.5	33.4	30.7	-116.22	-94.0	1,342.3	184.4	142.8	41.60	4.433	
7,600.0	7,038.5	7,618.5	7,121.6	33.4	30.6	-116.69	-42.5	1,344.9	185.2	143.4	41.74	4.437	
7,650.0	7,043.4	7,671.4	7,129.0	33.3	30.6	-117.18	9.8	1,346.6	185.8	143.8	41.99	4.425	
7,703.2	7,045.0	7,727.9	7,132.7	33.2	30.5	-117.72	66.2	1,347.3	186.4	144.0	42.40	4.396	
7,800.0	7,044.4	7,826.0	7,133.0	33.1	30.4	-117.98	164.2	1,347.0	186.7	143.2	43.50	4.292	
7,900.0	7,043.8	7,926.0	7,133.0	33.1	30.4	-118.14	264.2	1,346.6	187.0	142.2	44.80	4.174	
8,000.0	7,043.2	8,026.0	7,133.0	33.2	30.6	-118.31	364.2	1,346.2	187.3	141.0	46.32	4.043	
8,100.0	7,042.6	8,126.0	7,133.0	33.4	30.8	-118.47	464.2	1,345.8	187.6	139.5	48.04	3.904	
8,200.0	7,042.0	8,225.9	7,133.0	33.7	31.2	-118.63	564.2	1,345.4	187.9	137.9	49.94	3.762	
8,300.0	7,041.4	8,325.9	7,133.0	34.1	31.7	-118.80	664.2	1,345.0	188.2	136.2	51.99	3.619	
8,400.0	7,040.7	8,425.9	7,133.0	34.7	32.5	-118.96	764.2	1,344.6	188.5	134.3	54.18	3.479	
8,500.0	7,040.1	8,525.9	7,133.0	35.4	33.3	-119.12	864.2	1,344.2	188.8	132.3	56.48	3.342	
8,600.0	7,039.5	8,625.9	7,133.0	36.3	34.3	-119.28	964.2	1,343.8	189.1	130.2	58.89	3.210	
8,700.0	7,038.9	8,725.9	7,133.0	37.3	35.5	-119.44	1,064.2	1,343.4	189.4	128.0	61.39	3.085	
8,800.0	7,038.3	8,825.9	7,133.0	38.3	36.7	-119.61	1,164.2	1,343.0	189.7	125.7	63.96	2.965	
8,900.0	7,037.7	8,925.9	7,133.0	39.5	38.0	-119.77	1,264.2	1,342.6	190.0	123.4	66.61	2.852	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix N-29HC - Wellbore #1 - Plan #1 (10-08-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.0	7,037.1	9,025.9	7,133.0	40.8	39.3	-119.93	1,364.2	1,342.2	190.3	121.0	69.30	2.745	
9,100.0	7,036.5	9,125.9	7,133.0	42.1	40.8	-120.08	1,464.2	1,341.8	190.6	118.5	72.05	2.645	
9,200.0	7,035.9	9,225.9	7,133.0	43.5	42.2	-120.24	1,564.2	1,341.4	190.9	116.0	74.85	2.550	
9,300.0	7,035.2	9,325.9	7,133.0	45.0	43.7	-120.40	1,664.2	1,341.0	191.2	113.5	77.68	2.461	
9,400.0	7,034.6	9,425.9	7,133.0	46.5	45.3	-120.56	1,764.2	1,340.6	191.5	111.0	80.54	2.378	
9,500.0	7,034.0	9,525.9	7,133.0	48.0	46.9	-120.72	1,864.2	1,340.2	191.8	108.4	83.43	2.299	
9,600.0	7,033.4	9,625.9	7,133.0	49.5	48.5	-120.87	1,964.2	1,339.8	192.1	105.8	86.34	2.225	
9,700.0	7,032.8	9,725.9	7,133.0	51.1	50.1	-121.03	2,064.2	1,339.4	192.4	103.2	89.28	2.155	
9,800.0	7,032.2	9,825.9	7,133.0	52.7	51.7	-121.18	2,164.2	1,339.0	192.8	100.5	92.23	2.090	
9,900.0	7,031.6	9,925.9	7,133.0	54.4	53.4	-121.34	2,264.2	1,338.6	193.1	97.9	95.20	2.028	
10,000.0	7,031.0	10,025.9	7,133.0	56.0	55.1	-121.49	2,364.2	1,338.2	193.4	95.2	98.18	1.970	
10,100.0	7,030.4	10,125.9	7,133.0	57.7	56.8	-121.65	2,464.2	1,337.8	193.7	92.5	101.17	1.915	
10,200.0	7,029.7	10,225.9	7,133.0	59.4	58.5	-121.80	2,564.2	1,337.4	194.0	89.9	104.17	1.863	
10,300.0	7,029.1	10,325.9	7,133.0	61.1	60.2	-121.95	2,664.2	1,337.0	194.4	87.2	107.18	1.813	
10,400.0	7,028.5	10,425.9	7,133.0	62.8	62.0	-122.11	2,764.2	1,336.6	194.7	84.5	110.20	1.767	
10,500.0	7,027.9	10,525.9	7,133.0	64.5	63.7	-122.26	2,864.2	1,336.2	195.0	81.8	113.21	1.722	
10,600.0	7,027.3	10,625.9	7,133.0	66.2	65.5	-122.41	2,964.1	1,335.8	195.3	79.1	116.24	1.680	
10,700.0	7,026.7	10,725.9	7,133.0	68.0	67.2	-122.56	3,064.1	1,335.4	195.7	76.4	119.26	1.641	
10,800.0	7,026.1	10,825.9	7,133.0	69.7	69.0	-122.71	3,164.1	1,335.0	196.0	73.7	122.29	1.603	
10,900.0	7,025.5	10,925.9	7,133.0	71.5	70.8	-122.86	3,264.1	1,334.6	196.3	71.0	125.32	1.567	
11,000.0	7,024.9	11,025.9	7,133.0	73.3	72.6	-123.01	3,364.1	1,334.2	196.7	68.3	128.34	1.532	
11,100.0	7,024.3	11,125.9	7,133.0	75.1	74.4	-123.16	3,464.1	1,333.8	197.0	65.6	131.37	1.499	Level 3
11,200.0	7,023.6	11,225.9	7,133.0	76.8	76.2	-123.31	3,564.1	1,333.4	197.3	62.9	134.39	1.468	Level 3
11,300.0	7,023.0	11,325.9	7,133.0	78.6	78.0	-123.46	3,664.1	1,333.0	197.7	60.2	137.42	1.438	Level 3
11,400.0	7,022.4	11,425.9	7,133.0	80.4	79.8	-123.60	3,764.1	1,332.6	198.0	57.6	140.44	1.410	Level 3
11,500.0	7,021.8	11,525.9	7,133.0	82.2	81.6	-123.75	3,864.1	1,332.2	198.3	54.9	143.46	1.383	Level 3
11,600.0	7,021.2	11,625.9	7,133.0	84.1	83.4	-123.90	3,964.1	1,331.8	198.7	52.2	146.47	1.356	Level 3
11,700.0	7,020.6	11,725.9	7,133.0	85.9	85.3	-124.04	4,064.1	1,331.4	199.0	49.5	149.49	1.331	Level 3
11,775.0	7,020.1	11,800.9	7,133.0	87.2	86.6	-124.15	4,139.1	1,331.1	199.3	47.5	151.74	1.313	Level 3, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	59.08	7.7	12.8	14.9	14.9	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	59.08	7.7	12.8	14.9	14.7	0.22	66.390	
200.0	200.0	200.0	200.0	0.3	0.3	59.08	7.7	12.8	14.9	14.2	0.67	22.130	
300.0	300.0	300.0	300.0	0.6	0.6	59.08	7.7	12.8	14.9	13.8	1.12	13.278	
400.0	400.0	400.0	400.0	0.8	0.8	59.08	7.7	12.8	14.9	13.3	1.57	9.484	
500.0	500.0	500.0	500.0	1.0	1.0	59.08	7.7	12.8	14.9	12.9	2.02	7.377	
600.0	600.0	600.0	600.0	1.2	1.2	59.08	7.7	12.8	14.9	12.4	2.47	6.035	
700.0	700.0	700.0	700.0	1.5	1.5	59.08	7.7	12.8	14.9	12.0	2.92	5.107	
800.0	800.0	800.0	800.0	1.7	1.7	59.08	7.7	12.8	14.9	11.6	3.37	4.426	
900.0	900.0	900.0	900.0	1.9	1.9	59.08	7.7	12.8	14.9	11.1	3.82	3.905	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	59.08	7.7	12.8	14.9	10.7	4.27	3.494	CC, ES
1,100.0	1,100.0	1,099.7	1,099.6	2.4	2.3	64.11	7.0	14.4	16.0	11.3	4.70	3.405	
1,200.0	1,200.0	1,199.1	1,198.9	2.6	2.5	75.49	5.0	19.2	19.8	14.7	5.12	3.873	
1,300.0	1,300.0	1,298.2	1,297.6	2.8	2.7	-31.77	1.6	27.1	25.7	20.2	5.52	4.661	
1,400.0	1,399.8	1,397.0	1,395.8	3.0	3.0	-26.41	-3.1	38.1	32.1	26.2	5.90	5.435	
1,500.0	1,499.5	1,495.7	1,493.2	3.2	3.2	-23.14	-9.1	52.2	38.7	32.4	6.30	6.140	
1,600.0	1,598.7	1,594.0	1,589.8	3.4	3.5	-21.10	-16.4	69.3	45.4	38.7	6.70	6.768	
1,700.0	1,697.5	1,692.2	1,685.5	3.7	3.9	-19.81	-24.9	89.4	52.1	45.0	7.12	7.318	
1,800.0	1,795.6	1,790.2	1,780.2	4.0	4.3	-19.01	-34.7	112.4	58.9	51.3	7.56	7.791	
1,900.0	1,893.1	1,887.9	1,873.7	4.3	4.8	-18.56	-45.8	138.4	65.6	57.6	8.02	8.189	
2,000.0	1,989.6	1,985.4	1,966.1	4.7	5.3	-18.36	-58.1	167.2	72.4	63.9	8.50	8.518	
2,069.0	2,055.8	2,053.8	2,030.4	5.0	5.7	-18.42	-67.2	188.8	76.6	67.7	8.86	8.649	
2,100.0	2,085.3	2,084.8	2,059.5	5.2	5.9	-18.53	-71.4	198.5	78.2	69.1	9.04	8.646	
2,200.0	2,180.8	2,184.7	2,153.3	5.7	6.6	-18.88	-84.8	230.0	83.2	73.5	9.65	8.622	
2,300.0	2,276.2	2,284.5	2,247.1	6.2	7.2	-19.19	-98.2	261.6	88.2	77.9	10.28	8.583	
2,400.0	2,371.6	2,384.4	2,340.9	6.8	7.9	-19.47	-111.6	293.1	93.3	82.3	10.93	8.533	
2,500.0	2,467.1	2,484.3	2,434.7	7.4	8.6	-19.71	-125.1	324.6	98.3	86.7	11.60	8.477	
2,600.0	2,562.5	2,584.1	2,528.5	7.9	9.3	-19.94	-138.5	356.1	103.3	91.1	12.28	8.417	
2,700.0	2,657.9	2,684.0	2,622.4	8.5	10.0	-20.14	-151.9	387.6	108.4	95.4	12.97	8.356	
2,800.0	2,753.4	2,783.9	2,716.2	9.1	10.7	-20.32	-165.3	419.1	113.4	99.8	13.68	8.294	
2,900.0	2,848.8	2,883.8	2,810.0	9.7	11.4	-20.49	-178.7	450.6	118.5	104.1	14.39	8.234	
3,000.0	2,944.2	2,983.6	2,903.8	10.3	12.1	-20.64	-192.1	482.2	123.5	108.4	15.11	8.175	
3,100.0	3,039.7	3,083.5	2,997.6	11.0	12.8	-20.79	-205.5	513.7	128.6	112.7	15.84	8.117	
3,200.0	3,135.1	3,183.4	3,091.4	11.6	13.5	-20.92	-219.0	545.2	133.6	117.0	16.57	8.062	
3,300.0	3,230.5	3,283.3	3,185.2	12.2	14.3	-21.04	-232.4	576.7	138.7	121.4	17.31	8.009	
3,400.0	3,326.0	3,383.1	3,279.1	12.8	15.0	-21.15	-245.8	608.2	143.7	125.7	18.06	7.958	
3,500.0	3,421.4	3,483.0	3,372.9	13.4	15.7	-21.26	-259.2	639.7	148.8	130.0	18.81	7.910	
3,600.0	3,516.8	3,582.9	3,466.7	14.1	16.4	-21.36	-272.6	671.3	153.8	134.3	19.56	7.863	
3,700.0	3,612.3	3,682.7	3,560.5	14.7	17.2	-21.45	-286.0	702.8	158.9	138.5	20.32	7.819	
3,800.0	3,707.7	3,782.6	3,654.3	15.3	17.9	-21.54	-299.5	734.3	163.9	142.8	21.08	7.777	
3,900.0	3,803.1	3,882.5	3,748.1	15.9	18.6	-21.62	-312.9	765.8	169.0	147.1	21.84	7.737	
4,000.0	3,898.6	3,982.4	3,841.9	16.6	19.3	-21.70	-326.3	797.3	174.0	151.4	22.61	7.698	
4,100.0	3,994.0	4,082.2	3,935.8	17.2	20.1	-21.77	-339.7	828.8	179.1	155.7	23.37	7.661	
4,200.0	4,089.4	4,182.1	4,029.6	17.8	20.8	-21.84	-353.1	860.3	184.1	160.0	24.14	7.626	
4,300.0	4,184.9	4,282.0	4,123.4	18.5	21.5	-21.90	-366.5	891.9	189.2	164.3	24.91	7.593	
4,400.0	4,280.3	4,381.8	4,217.2	19.1	22.3	-21.96	-379.9	923.4	194.2	168.5	25.69	7.561	
4,500.0	4,375.7	4,481.7	4,311.0	19.7	23.0	-22.02	-393.4	954.9	199.3	172.8	26.46	7.530	
4,600.0	4,471.2	4,581.6	4,404.8	20.4	23.7	-22.08	-406.8	986.4	204.3	177.1	27.24	7.501	
4,700.0	4,566.6	4,681.5	4,498.6	21.0	24.4	-22.13	-420.2	1,017.9	209.4	181.4	28.02	7.473	
4,800.0	4,662.0	4,781.3	4,592.5	21.6	25.2	-22.18	-433.6	1,049.4	214.4	185.6	28.80	7.447	
4,900.0	4,757.5	4,881.2	4,686.3	22.3	25.9	-22.23	-447.0	1,081.0	219.5	189.9	29.58	7.421	
5,000.0	4,852.9	4,981.1	4,780.1	22.9	26.6	-22.28	-460.4	1,112.5	224.5	194.2	30.36	7.396	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,948.3	5,080.9	4,873.9	23.5	27.4	-22.32	-473.9	1,144.0	229.6	198.5	31.14	7.373	
5,200.0	5,043.8	5,180.8	4,967.7	24.2	28.1	-22.36	-487.3	1,175.5	234.7	202.7	31.93	7.350	
5,300.0	5,139.2	5,280.7	5,061.5	24.8	28.8	-22.40	-500.7	1,207.0	239.7	207.0	32.71	7.328	
5,400.0	5,234.7	5,380.6	5,155.4	25.5	29.6	-22.44	-514.1	1,238.5	244.8	211.3	33.50	7.307	
5,500.0	5,330.1	5,480.4	5,249.2	26.1	30.3	-22.48	-527.5	1,270.0	249.8	215.5	34.28	7.287	
5,600.0	5,425.5	5,580.3	5,343.0	26.7	31.0	-22.51	-540.9	1,301.6	254.9	219.8	35.07	7.268	
5,700.0	5,521.0	5,680.2	5,436.8	27.4	31.8	-22.55	-554.3	1,333.1	259.9	224.1	35.86	7.249	
5,800.0	5,616.4	5,780.1	5,530.6	28.0	32.5	-22.58	-567.8	1,364.6	265.0	228.3	36.65	7.231	
5,900.0	5,711.8	5,879.9	5,624.4	28.6	33.2	-22.61	-581.2	1,396.1	270.0	232.6	37.43	7.214	
6,000.0	5,807.3	5,979.8	5,718.2	29.3	34.0	-22.64	-594.6	1,427.6	275.1	236.9	38.22	7.197	
6,100.0	5,902.7	6,079.7	5,812.1	29.9	34.7	-22.67	-608.0	1,459.1	280.1	241.1	39.01	7.181	
6,200.0	5,998.1	6,179.5	5,905.9	30.6	35.5	-22.70	-621.4	1,490.6	285.2	245.4	39.80	7.165	
6,300.0	6,093.6	6,279.4	5,999.7	31.2	36.2	-22.73	-634.8	1,522.2	290.3	249.7	40.60	7.150	
6,400.0	6,189.0	6,379.3	6,093.5	31.8	36.9	-22.75	-648.3	1,553.7	295.3	253.9	41.39	7.135	
6,477.4	6,262.8	6,456.6	6,166.1	32.3	37.5	-22.77	-658.6	1,578.1	299.2	257.2	42.00	7.124	
6,500.0	6,284.5	6,479.2	6,187.3	32.5	37.7	-17.35	-661.7	1,585.2	300.4	258.2	42.18	7.121	
6,550.0	6,332.5	6,530.0	6,235.2	32.7	38.0	-3.77	-667.2	1,601.3	303.0	260.6	42.41	7.145	
6,600.0	6,380.6	6,581.0	6,283.6	32.9	38.3	10.60	-669.1	1,617.5	305.7	263.1	42.58	7.178	
6,650.0	6,428.7	6,632.3	6,332.1	33.1	38.5	24.07	-667.4	1,633.8	308.3	265.6	42.71	7.218	
6,700.0	6,476.3	6,683.7	6,380.6	33.3	38.8	35.46	-662.0	1,650.0	310.9	268.1	42.81	7.263	
6,750.0	6,523.4	6,735.2	6,428.6	33.4	39.0	44.52	-652.9	1,666.1	313.5	270.6	42.86	7.314	
6,800.0	6,569.6	6,786.8	6,476.1	33.6	39.2	51.54	-640.2	1,681.9	316.0	273.1	42.89	7.369	
6,850.0	6,614.9	6,838.6	6,522.7	33.7	39.3	56.96	-623.8	1,697.5	318.5	275.6	42.89	7.427	
6,900.0	6,658.8	6,890.5	6,568.2	33.7	39.5	61.18	-603.9	1,712.7	320.9	278.0	42.87	7.486	
6,950.0	6,701.3	6,942.5	6,612.2	33.8	39.6	64.49	-580.5	1,727.3	323.2	280.4	42.83	7.546	
7,000.0	6,742.0	6,994.7	6,654.7	33.8	39.7	67.12	-553.8	1,741.4	325.4	282.6	42.78	7.606	
7,050.0	6,780.9	7,046.9	6,695.2	33.8	39.7	69.23	-523.8	1,754.9	327.5	284.7	42.73	7.663	
7,100.0	6,817.8	7,099.1	6,733.6	33.9	39.8	70.93	-490.8	1,767.7	329.4	286.7	42.69	7.716	
7,150.0	6,852.3	7,151.5	6,769.7	33.8	39.8	72.31	-454.8	1,779.6	331.2	288.6	42.66	7.764	
7,200.0	6,884.5	7,203.9	6,803.3	33.8	39.8	73.42	-416.1	1,790.7	332.9	290.2	42.66	7.804	
7,250.0	6,914.0	7,256.3	6,834.1	33.8	39.8	74.32	-374.9	1,800.8	334.4	291.7	42.68	7.836	
7,300.0	6,940.9	7,308.8	6,861.9	33.7	39.8	75.03	-331.4	1,810.0	335.8	293.0	42.74	7.857	
7,350.0	6,964.9	7,361.2	6,886.7	33.7	39.8	75.58	-285.9	1,818.1	336.9	294.1	42.84	7.866	
7,400.0	6,985.9	7,413.7	6,908.3	33.6	39.8	76.00	-238.6	1,825.1	337.9	295.0	42.98	7.862	
7,450.0	7,003.9	7,466.1	6,926.5	33.6	39.7	76.30	-189.8	1,831.0	338.8	295.6	43.19	7.844	
7,500.0	7,018.6	7,518.5	6,941.2	33.5	39.7	76.50	-139.8	1,835.8	339.4	295.9	43.45	7.811	
7,550.0	7,030.2	7,570.9	6,952.5	33.4	39.6	76.59	-88.8	1,839.3	339.8	296.1	43.77	7.764	
7,600.0	7,038.5	7,623.2	6,960.2	33.4	39.5	76.60	-37.1	1,841.7	340.1	295.9	44.16	7.701	
7,650.0	7,043.4	7,675.4	6,964.3	33.3	39.5	76.52	14.9	1,842.8	340.2	295.6	44.62	7.624	
7,703.2	7,045.0	7,730.2	6,964.9	33.2	39.4	76.38	69.7	1,842.8	340.1	294.9	45.16	7.530	
7,800.0	7,044.4	7,827.0	6,964.4	33.1	39.3	76.39	166.5	1,842.2	339.9	293.7	46.18	7.359	
7,900.0	7,043.8	7,927.0	6,964.0	33.1	39.3	76.40	266.5	1,841.6	339.6	292.2	47.43	7.162	
8,000.0	7,043.2	8,027.0	6,963.5	33.2	39.3	76.42	366.4	1,841.0	339.4	290.5	48.92	6.938	
8,100.0	7,042.6	8,127.0	6,963.0	33.4	39.4	76.43	466.4	1,840.4	339.2	288.6	50.66	6.696	
8,200.0	7,042.0	8,227.0	6,962.5	33.7	39.6	76.44	566.4	1,839.8	339.0	286.4	52.60	6.444	
8,300.0	7,041.4	8,327.0	6,962.0	34.1	39.9	76.45	666.4	1,839.3	338.8	284.0	54.74	6.189	
8,400.0	7,040.7	8,427.0	6,961.5	34.7	40.2	76.47	766.4	1,838.7	338.6	281.5	57.04	5.936	
8,500.0	7,040.1	8,527.0	6,961.0	35.4	40.7	76.48	866.4	1,838.1	338.3	278.9	59.49	5.687	
8,600.0	7,039.5	8,627.0	6,960.5	36.3	41.3	76.49	966.4	1,837.5	338.1	276.1	62.07	5.448	
8,700.0	7,038.9	8,727.0	6,960.0	37.3	41.9	76.50	1,066.4	1,836.9	337.9	273.2	64.77	5.217	
8,800.0	7,038.3	8,827.0	6,959.6	38.3	42.7	76.52	1,166.4	1,836.3	337.7	270.1	67.57	4.998	
8,900.0	7,037.7	8,927.0	6,959.1	39.5	43.6	76.53	1,266.4	1,835.7	337.5	267.0	70.45	4.790	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.0	7,037.1	9,027.0	6,958.6	40.8	44.6	76.54	1,366.4	1,835.1	337.3	263.9	73.42	4.594	
9,100.0	7,036.5	9,127.0	6,958.1	42.1	45.7	76.55	1,466.4	1,834.5	337.1	260.6	76.46	4.408	
9,200.0	7,035.9	9,227.0	6,957.6	43.5	46.9	76.57	1,566.4	1,833.9	336.8	257.3	79.55	4.234	
9,300.0	7,035.2	9,327.0	6,957.1	45.0	48.1	76.58	1,666.4	1,833.3	336.6	253.9	82.71	4.070	
9,400.0	7,034.6	9,427.0	6,956.6	46.5	49.4	76.59	1,766.4	1,832.7	336.4	250.5	85.91	3.916	
9,500.0	7,034.0	9,527.0	6,956.1	48.0	50.8	76.60	1,866.4	1,832.1	336.2	247.0	89.16	3.771	
9,600.0	7,033.4	9,627.0	6,955.6	49.5	52.2	76.62	1,966.4	1,831.5	336.0	243.5	92.44	3.635	
9,700.0	7,032.8	9,727.0	6,955.2	51.1	53.7	76.63	2,066.4	1,830.9	335.8	240.0	95.76	3.506	
9,800.0	7,032.2	9,827.0	6,954.7	52.7	55.2	76.64	2,166.4	1,830.4	335.6	236.4	99.11	3.386	
9,900.0	7,031.6	9,927.0	6,954.2	54.4	56.7	76.65	2,266.4	1,829.8	335.3	232.8	102.49	3.272	
10,000.0	7,031.0	10,027.0	6,953.7	56.0	58.3	76.67	2,366.4	1,829.2	335.1	229.2	105.90	3.164	
10,100.0	7,030.4	10,127.0	6,953.2	57.7	59.8	76.68	2,466.4	1,828.6	334.9	225.6	109.33	3.063	
10,200.0	7,029.7	10,227.0	6,952.7	59.4	61.4	76.69	2,566.4	1,828.0	334.7	221.9	112.78	2.968	
10,300.0	7,029.1	10,327.0	6,952.2	61.1	63.1	76.71	2,666.4	1,827.4	334.5	218.2	116.25	2.877	
10,400.0	7,028.5	10,426.9	6,951.7	62.8	64.7	76.72	2,766.4	1,826.8	334.3	214.5	119.74	2.792	
10,500.0	7,027.9	10,526.9	6,951.2	64.5	66.4	76.73	2,866.4	1,826.2	334.0	210.8	123.25	2.710	
10,600.0	7,027.3	10,626.9	6,950.8	66.2	68.0	76.74	2,966.4	1,825.6	333.8	207.1	126.77	2.633	
10,700.0	7,026.7	10,726.9	6,950.3	68.0	69.7	76.76	3,066.4	1,825.0	333.6	203.3	130.30	2.560	
10,800.0	7,026.1	10,826.9	6,949.8	69.7	71.4	76.77	3,166.4	1,824.4	333.4	199.6	133.85	2.491	
10,900.0	7,025.5	10,926.9	6,949.3	71.5	73.2	76.78	3,266.4	1,823.8	333.2	195.8	137.41	2.425	
11,000.0	7,024.9	11,026.9	6,948.8	73.3	74.9	76.80	3,366.4	1,823.2	333.0	192.0	140.98	2.362	
11,100.0	7,024.3	11,126.9	6,948.3	75.1	76.6	76.81	3,466.3	1,822.6	332.8	188.2	144.56	2.302	
11,200.0	7,023.6	11,226.9	6,947.8	76.8	78.4	76.82	3,566.3	1,822.0	332.5	184.4	148.15	2.245	
11,300.0	7,023.0	11,326.9	6,947.3	78.6	80.1	76.83	3,666.3	1,821.5	332.3	180.6	151.75	2.190	
11,400.0	7,022.4	11,426.9	6,946.8	80.4	81.9	76.85	3,766.3	1,820.9	332.1	176.8	155.35	2.138	
11,500.0	7,021.8	11,526.9	6,946.4	82.2	83.6	76.86	3,866.3	1,820.3	331.9	172.9	158.97	2.088	
11,600.0	7,021.2	11,626.9	6,945.9	84.1	85.4	76.87	3,966.3	1,819.7	331.7	169.1	162.59	2.040	
11,700.0	7,020.6	11,726.9	6,945.4	85.9	87.2	76.89	4,066.3	1,819.1	331.5	165.3	166.22	1.994	
11,743.1	7,020.3	11,770.1	6,945.2	86.6	88.0	76.89	4,109.5	1,818.8	331.4	163.6	167.78	1.975	
11,775.0	7,020.1	11,775.1	6,945.1	87.2	88.1	76.89	4,114.5	1,818.8	332.4	163.9	168.45	1.973	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	59.14	15.3	25.6	29.8				
100.0	100.0	100.0	100.0	0.1	0.1	59.14	15.3	25.6	29.8	29.6	0.22	132.705	
200.0	200.0	200.0	200.0	0.3	0.3	59.14	15.3	25.6	29.8	29.2	0.67	44.235	
300.0	300.0	300.0	300.0	0.6	0.6	59.14	15.3	25.6	29.8	28.7	1.12	26.541	
400.0	400.0	400.0	400.0	0.8	0.8	59.14	15.3	25.6	29.8	28.3	1.57	18.958	
500.0	500.0	500.0	500.0	1.0	1.0	59.14	15.3	25.6	29.8	27.8	2.02	14.745	
600.0	600.0	600.0	600.0	1.2	1.2	59.14	15.3	25.6	29.8	27.4	2.47	12.064	
700.0	700.0	700.0	700.0	1.5	1.5	59.14	15.3	25.6	29.8	26.9	2.92	10.208	
800.0	800.0	800.0	800.0	1.7	1.7	59.14	15.3	25.6	29.8	26.5	3.37	8.847	CC, ES
900.0	900.0	899.3	899.3	1.9	1.9	61.64	14.7	27.2	30.9	27.1	3.80	8.136	
1,000.0	1,000.0	998.4	998.2	2.1	2.1	68.14	12.8	32.0	34.5	30.3	4.22	8.182	
1,100.0	1,100.0	1,097.0	1,096.5	2.4	2.3	76.22	9.8	40.0	41.3	36.7	4.65	8.878	
1,200.0	1,200.0	1,194.9	1,193.7	2.6	2.5	83.74	5.6	51.0	51.7	46.6	5.10	10.138	
1,300.0	1,300.0	1,292.2	1,289.8	2.8	2.8	-27.31	0.2	65.0	64.3	58.8	5.51	11.669	
1,400.0	1,399.8	1,389.0	1,384.9	3.0	3.1	-23.89	-6.3	82.0	77.2	71.3	5.91	13.068	
1,500.0	1,499.5	1,485.4	1,478.9	3.2	3.5	-21.66	-13.9	101.8	90.4	84.1	6.33	14.294	
1,600.0	1,598.7	1,581.3	1,571.7	3.4	3.9	-20.19	-22.5	124.5	103.7	96.9	6.75	15.350	
1,700.0	1,697.5	1,676.9	1,663.2	3.7	4.4	-19.20	-32.3	150.0	116.9	109.7	7.20	16.245	
1,800.0	1,795.6	1,772.0	1,753.5	4.0	4.9	-18.56	-43.1	178.1	130.1	122.4	7.66	16.985	
1,900.0	1,893.1	1,866.7	1,842.3	4.3	5.5	-18.17	-54.9	209.0	143.2	135.1	8.14	17.597	
2,000.0	1,989.6	1,963.4	1,931.8	4.7	6.2	-17.98	-67.8	242.9	155.9	147.2	8.66	18.011	
2,069.0	2,055.8	2,032.0	1,995.3	5.0	6.7	-18.07	-77.2	267.3	163.1	154.0	9.04	18.045	
2,100.0	2,085.3	2,062.9	2,023.8	5.2	7.0	-18.16	-81.4	278.2	165.9	156.7	9.23	17.980	
2,200.0	2,180.8	2,162.4	2,115.9	5.7	7.7	-18.45	-94.9	313.6	175.2	165.3	9.86	17.762	
2,300.0	2,276.2	2,262.0	2,208.0	6.2	8.5	-18.71	-108.4	349.0	184.4	173.9	10.52	17.536	
2,400.0	2,371.6	2,361.6	2,300.1	6.8	9.2	-18.94	-122.0	384.4	193.6	182.5	11.19	17.311	
2,500.0	2,467.1	2,461.1	2,392.1	7.4	10.0	-19.15	-135.5	419.7	202.9	191.0	11.87	17.089	
2,600.0	2,562.5	2,560.7	2,484.2	7.9	10.8	-19.34	-149.0	455.1	212.1	199.6	12.57	16.875	
2,700.0	2,657.9	2,660.3	2,576.3	8.5	11.6	-19.52	-162.6	490.5	221.4	208.1	13.28	16.670	
2,800.0	2,753.4	2,759.8	2,668.4	9.1	12.4	-19.68	-176.1	525.9	230.7	216.7	14.00	16.475	
2,900.0	2,848.8	2,859.4	2,760.5	9.7	13.2	-19.83	-189.6	561.2	239.9	225.2	14.73	16.290	
3,000.0	2,944.2	2,959.0	2,852.6	10.3	14.0	-19.97	-203.2	596.6	249.2	233.7	15.46	16.115	
3,100.0	3,039.7	3,058.5	2,944.6	11.0	14.8	-20.10	-216.7	632.0	258.4	242.2	16.20	15.949	
3,200.0	3,135.1	3,158.1	3,036.7	11.6	15.6	-20.22	-230.3	667.4	267.7	250.7	16.95	15.793	
3,300.0	3,230.5	3,257.7	3,128.8	12.2	16.4	-20.33	-243.8	702.7	277.0	259.3	17.70	15.645	
3,400.0	3,326.0	3,357.2	3,220.9	12.8	17.2	-20.44	-257.3	738.1	286.2	267.8	18.46	15.506	
3,500.0	3,421.4	3,456.8	3,313.0	13.4	18.1	-20.53	-270.9	773.5	295.5	276.3	19.22	15.375	
3,600.0	3,516.8	3,556.4	3,405.1	14.1	18.9	-20.63	-284.4	808.9	304.8	284.8	19.98	15.250	
3,700.0	3,612.3	3,656.0	3,497.1	14.7	19.7	-20.71	-297.9	844.2	314.0	293.3	20.75	15.133	
3,800.0	3,707.7	3,755.5	3,589.2	15.3	20.5	-20.79	-311.5	879.6	323.3	301.8	21.52	15.022	
3,900.0	3,803.1	3,855.1	3,681.3	15.9	21.3	-20.87	-325.0	915.0	332.6	310.3	22.29	14.917	
4,000.0	3,898.6	3,954.7	3,773.4	16.6	22.1	-20.94	-338.5	950.4	341.8	318.8	23.07	14.818	
4,100.0	3,994.0	4,054.2	3,865.5	17.2	22.9	-21.01	-352.1	985.7	351.1	327.2	23.85	14.723	
4,200.0	4,089.4	4,153.8	3,957.6	17.8	23.7	-21.08	-365.6	1,021.1	360.4	335.7	24.63	14.634	
4,300.0	4,184.9	4,253.4	4,049.6	18.5	24.6	-21.14	-379.1	1,056.5	369.6	344.2	25.41	14.549	
4,400.0	4,280.3	4,352.9	4,141.7	19.1	25.4	-21.20	-392.7	1,091.9	378.9	352.7	26.19	14.468	
4,500.0	4,375.7	4,452.5	4,233.8	19.7	26.2	-21.26	-406.2	1,127.2	388.2	361.2	26.97	14.391	
4,600.0	4,471.2	4,552.1	4,325.9	20.4	27.0	-21.31	-419.7	1,162.6	397.4	369.7	27.76	14.317	
4,700.0	4,566.6	4,651.6	4,418.0	21.0	27.8	-21.36	-433.3	1,198.0	406.7	378.2	28.55	14.247	
4,800.0	4,662.0	4,751.2	4,510.1	21.6	28.6	-21.41	-446.8	1,233.4	416.0	386.6	29.34	14.180	
4,900.0	4,757.5	4,850.8	4,602.1	22.3	29.5	-21.46	-460.3	1,268.7	425.3	395.1	30.13	14.116	
5,000.0	4,852.9	4,950.3	4,694.2	22.9	30.3	-21.50	-473.9	1,304.1	434.5	403.6	30.92	14.055	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,948.3	5,049.9	4,786.3	23.5	31.1	-21.55	-487.4	1,339.5	443.8	412.1	31.71	13.997	
5,200.0	5,043.8	5,149.5	4,878.4	24.2	31.9	-21.59	-501.0	1,374.9	453.1	420.6	32.50	13.941	
5,300.0	5,139.2	5,249.1	4,970.5	24.8	32.7	-21.63	-514.5	1,410.2	462.3	429.1	33.29	13.887	
5,400.0	5,234.7	5,348.6	5,062.6	25.5	33.5	-21.67	-528.0	1,445.6	471.6	437.5	34.09	13.835	
5,500.0	5,330.1	5,448.2	5,154.6	26.1	34.4	-21.70	-541.6	1,481.0	480.9	446.0	34.88	13.786	
5,600.0	5,425.5	5,547.8	5,246.7	26.7	35.2	-21.74	-555.1	1,516.4	490.2	454.5	35.68	13.738	
5,700.0	5,521.0	5,647.3	5,338.8	27.4	36.0	-21.77	-568.6	1,551.7	499.4	463.0	36.48	13.693	
5,800.0	5,616.4	5,746.9	5,430.9	28.0	36.8	-21.80	-582.2	1,587.1	508.7	471.4	37.27	13.648	
5,900.0	5,711.8	5,846.5	5,523.0	28.6	37.6	-21.84	-595.7	1,622.5	518.0	479.9	38.07	13.606	
6,000.0	5,807.3	5,946.0	5,615.1	29.3	38.5	-21.87	-609.2	1,657.9	527.3	488.4	38.87	13.565	
6,100.0	5,902.7	6,045.6	5,707.1	29.9	39.3	-21.90	-622.8	1,693.2	536.5	496.9	39.67	13.526	
6,200.0	5,998.1	6,145.2	5,799.2	30.6	40.1	-21.92	-636.3	1,728.6	545.8	505.3	40.47	13.488	
6,300.0	6,093.6	6,244.7	5,891.3	31.2	40.9	-21.95	-649.8	1,764.0	555.1	513.8	41.27	13.451	
6,400.0	6,189.0	6,344.3	5,983.4	31.8	41.7	-21.98	-663.4	1,799.4	564.4	522.3	42.07	13.416	
6,477.4	6,262.8	6,421.3	6,054.6	32.3	42.4	-22.00	-673.8	1,826.7	571.5	528.8	42.69	13.389	
6,500.0	6,284.5	6,443.9	6,075.5	32.5	42.5	-16.69	-676.9	1,834.7	573.7	530.7	42.93	13.362	
6,550.0	6,332.5	6,493.5	6,121.4	32.7	43.0	-3.34	-683.7	1,852.4	578.5	535.2	43.32	13.356	
6,600.0	6,380.6	6,542.8	6,167.0	32.9	43.4	11.12	-690.4	1,869.9	583.6	540.1	43.50	13.415	
6,650.0	6,428.7	6,592.1	6,212.5	33.1	43.8	24.99	-697.0	1,887.4	589.0	545.5	43.51	13.537	
6,700.0	6,476.3	6,644.6	6,261.4	33.3	44.1	36.94	-701.6	1,906.1	594.7	551.3	43.41	13.700	
6,750.0	6,523.4	6,698.1	6,311.3	33.4	44.4	46.54	-702.4	1,925.3	600.5	557.2	43.29	13.871	
6,800.0	6,569.6	6,752.6	6,362.1	33.6	44.8	54.10	-699.1	1,944.8	606.4	563.2	43.17	14.047	
6,850.0	6,614.9	6,808.2	6,413.4	33.7	45.0	60.04	-691.4	1,964.5	612.3	569.2	43.04	14.225	
6,900.0	6,658.8	6,864.8	6,465.0	33.7	45.3	64.76	-679.3	1,984.3	618.1	575.2	42.92	14.402	
6,950.0	6,701.3	6,922.4	6,516.5	33.8	45.5	68.55	-662.4	2,004.0	623.9	581.1	42.81	14.575	
7,000.0	6,742.0	6,981.1	6,567.5	33.8	45.8	71.64	-640.8	2,023.5	629.5	586.8	42.71	14.740	
7,050.0	6,780.9	7,040.9	6,617.5	33.8	45.9	74.17	-614.3	2,042.6	635.0	592.3	42.63	14.894	
7,100.0	6,817.8	7,101.6	6,666.0	33.9	46.1	76.27	-582.8	2,061.2	640.1	597.5	42.58	15.033	
7,150.0	6,852.3	7,163.4	6,712.6	33.8	46.2	78.00	-546.5	2,078.9	645.0	602.4	42.56	15.153	
7,200.0	6,884.5	7,226.0	6,756.7	33.8	46.3	79.43	-505.4	2,095.8	649.5	606.9	42.59	15.251	
7,250.0	6,914.0	7,289.4	6,797.8	33.8	46.4	80.60	-459.7	2,111.4	653.5	610.9	42.65	15.322	
7,300.0	6,940.9	7,353.6	6,835.4	33.7	46.4	81.54	-409.7	2,125.7	657.1	614.4	42.78	15.362	
7,350.0	6,964.9	7,418.3	6,868.9	33.7	46.4	82.27	-355.9	2,138.4	660.2	617.3	42.96	15.368	
7,400.0	6,985.9	7,483.4	6,897.9	33.6	46.4	82.82	-298.6	2,149.4	662.8	619.6	43.21	15.339	
7,450.0	7,003.9	7,548.8	6,922.0	33.6	46.4	83.20	-238.5	2,158.5	664.8	621.3	43.53	15.273	
7,500.0	7,018.6	7,614.4	6,940.9	33.5	46.3	83.41	-176.2	2,165.7	666.2	622.3	43.93	15.167	
7,550.0	7,030.2	7,679.9	6,954.5	33.4	46.3	83.48	-112.3	2,170.7	667.1	622.7	44.40	15.024	
7,600.0	7,038.5	7,745.2	6,962.5	33.4	46.2	83.40	-47.6	2,173.6	667.4	622.4	44.95	14.848	
7,650.0	7,043.4	7,810.1	6,965.0	33.3	46.1	83.19	17.3	2,174.4	667.1	621.5	45.57	14.639	
7,703.2	7,045.0	7,863.5	6,964.7	33.2	46.0	83.09	70.6	2,174.2	666.7	620.6	46.16	14.443	
7,800.0	7,044.4	7,960.2	6,964.3	33.1	45.9	83.10	167.4	2,173.8	666.7	619.6	47.10	14.156	
7,900.0	7,043.8	8,060.2	6,963.8	33.1	45.9	83.11	267.4	2,173.3	666.6	618.4	48.27	13.811	
8,000.0	7,043.2	8,160.2	6,963.3	33.2	45.9	83.12	367.4	2,172.9	666.6	616.9	49.71	13.409	
8,100.0	7,042.6	8,260.2	6,962.8	33.4	45.9	83.13	467.4	2,172.4	666.5	615.1	51.39	12.969	
8,200.0	7,042.0	8,360.2	6,962.3	33.7	46.0	83.14	567.4	2,172.0	666.5	613.2	53.30	12.505	
8,300.0	7,041.4	8,460.2	6,961.8	34.1	46.2	83.15	667.4	2,171.6	666.4	611.0	55.40	12.029	
8,400.0	7,040.7	8,560.2	6,961.3	34.7	46.5	83.16	767.4	2,171.1	666.4	608.7	57.68	11.553	
8,500.0	7,040.1	8,660.2	6,960.8	35.4	46.8	83.17	867.4	2,170.7	666.3	606.2	60.12	11.083	
8,600.0	7,039.5	8,760.2	6,960.4	36.3	47.2	83.18	967.4	2,170.3	666.3	603.6	62.70	10.627	
8,700.0	7,038.9	8,860.2	6,959.9	37.3	47.6	83.19	1,067.4	2,169.8	666.2	600.8	65.39	10.188	
8,800.0	7,038.3	8,960.2	6,959.4	38.3	48.2	83.20	1,167.4	2,169.4	666.2	598.0	68.20	9.768	
8,900.0	7,037.7	9,060.2	6,958.9	39.5	48.9	83.21	1,267.4	2,169.0	666.1	595.0	71.10	9.369	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,000.0	7,037.1	9,160.2	6,958.4	40.8	49.6	83.22	1,367.4	2,168.5	666.1	592.0	74.08	8.991	
9,100.0	7,036.5	9,260.2	6,957.9	42.1	50.5	83.23	1,467.4	2,168.1	666.0	588.9	77.14	8.634	
9,200.0	7,035.9	9,360.2	6,957.4	43.5	51.4	83.24	1,567.3	2,167.6	666.0	585.7	80.26	8.297	
9,300.0	7,035.2	9,460.2	6,956.9	45.0	52.4	83.25	1,667.3	2,167.2	665.9	582.5	83.45	7.981	
9,400.0	7,034.6	9,560.2	6,956.5	46.5	53.5	83.26	1,767.3	2,166.8	665.9	579.2	86.68	7.682	
9,500.0	7,034.0	9,660.2	6,956.0	48.0	54.6	83.27	1,867.3	2,166.3	665.8	575.9	89.96	7.402	
9,600.0	7,033.4	9,760.2	6,955.5	49.5	55.8	83.28	1,967.3	2,165.9	665.8	572.5	93.28	7.138	
9,700.0	7,032.8	9,860.2	6,955.0	51.1	57.1	83.29	2,067.3	2,165.5	665.7	569.1	96.64	6.889	
9,800.0	7,032.2	9,960.2	6,954.5	52.7	58.5	83.30	2,167.3	2,165.0	665.7	565.7	100.03	6.655	
9,900.0	7,031.6	10,060.2	6,954.0	54.4	59.8	83.31	2,267.3	2,164.6	665.6	562.2	103.45	6.434	
10,000.0	7,031.0	10,160.2	6,953.5	56.0	61.3	83.32	2,367.3	2,164.2	665.6	558.7	106.90	6.226	
10,100.0	7,030.4	10,260.2	6,953.0	57.7	62.7	83.33	2,467.3	2,163.7	665.6	555.2	110.38	6.030	
10,200.0	7,029.7	10,360.2	6,952.5	59.4	64.2	83.34	2,567.3	2,163.3	665.5	551.6	113.87	5.844	
10,300.0	7,029.1	10,460.2	6,952.1	61.1	65.7	83.35	2,667.3	2,162.8	665.5	548.1	117.39	5.669	
10,400.0	7,028.5	10,560.2	6,951.6	62.8	67.3	83.36	2,767.3	2,162.4	665.4	544.5	120.93	5.503	
10,500.0	7,027.9	10,660.2	6,951.1	64.5	68.8	83.37	2,867.3	2,162.0	665.4	540.9	124.48	5.345	
10,600.0	7,027.3	10,760.2	6,950.6	66.2	70.4	83.38	2,967.3	2,161.5	665.3	537.3	128.05	5.196	
10,700.0	7,026.7	10,860.2	6,950.1	68.0	72.1	83.39	3,067.3	2,161.1	665.3	533.6	131.63	5.054	
10,800.0	7,026.1	10,960.2	6,949.6	69.7	73.7	83.40	3,167.3	2,160.7	665.2	530.0	135.23	4.919	
10,900.0	7,025.5	11,060.2	6,949.1	71.5	75.3	83.41	3,267.3	2,160.2	665.2	526.3	138.84	4.791	
11,000.0	7,024.9	11,160.2	6,948.6	73.3	77.0	83.42	3,367.3	2,159.8	665.1	522.7	142.46	4.669	
11,100.0	7,024.3	11,260.2	6,948.1	75.1	78.7	83.43	3,467.3	2,159.4	665.1	519.0	146.09	4.552	
11,200.0	7,023.6	11,360.2	6,947.7	76.8	80.4	83.44	3,567.3	2,158.9	665.0	515.3	149.73	4.441	
11,300.0	7,023.0	11,460.2	6,947.2	78.6	82.1	83.45	3,667.3	2,158.5	665.0	511.6	153.38	4.335	
11,400.0	7,022.4	11,560.2	6,946.7	80.4	83.8	83.46	3,767.3	2,158.0	664.9	507.9	157.04	4.234	
11,500.0	7,021.8	11,660.2	6,946.2	82.2	85.5	83.47	3,867.3	2,157.6	664.9	504.2	160.71	4.137	
11,600.0	7,021.2	11,760.2	6,945.7	84.1	87.2	83.48	3,967.3	2,157.2	664.8	500.4	164.38	4.044	
11,700.0	7,020.6	11,860.2	6,945.2	85.9	89.0	83.49	4,067.3	2,156.7	664.8	496.7	168.06	3.956	
11,706.1	7,020.5	11,866.3	6,945.2	86.0	89.1	83.49	4,073.4	2,156.7	664.8	496.5	168.28	3.950	
11,775.0	7,020.1	11,876.0	6,945.1	87.2	89.3	83.49	4,083.1	2,156.7	667.4	497.6	169.74	3.932	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix R-29HN - Wellbore #1 - Plan #1 (10-08-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	59.31	23.0	38.7	45.0				
100.0	100.0	100.0	100.0	0.1	0.1	59.31	23.0	38.7	45.0	44.8	0.22	200.131	
200.0	200.0	200.0	200.0	0.3	0.3	59.31	23.0	38.7	45.0	44.3	0.67	66.710	
300.0	300.0	300.0	300.0	0.6	0.6	59.31	23.0	38.7	45.0	43.9	1.12	40.026	
400.0	400.0	400.0	400.0	0.8	0.8	59.31	23.0	38.7	45.0	43.4	1.57	28.590	
500.0	500.0	500.0	500.0	1.0	1.0	59.31	23.0	38.7	45.0	43.0	2.02	22.237	
600.0	600.0	600.0	600.0	1.2	1.2	59.31	23.0	38.7	45.0	42.5	2.47	18.194	CC, ES
700.0	700.0	699.0	699.0	1.5	1.4	60.95	22.4	40.3	46.1	43.2	2.90	15.883	
800.0	800.0	797.7	797.5	1.7	1.6	65.40	20.6	45.1	49.7	46.3	3.33	14.931	
900.0	900.0	896.0	895.4	1.9	1.9	71.47	17.8	53.1	56.1	52.4	3.76	14.930	SF
1,000.0	1,000.0	993.5	992.3	2.1	2.1	77.83	13.8	64.1	66.0	61.8	4.21	15.682	
1,100.0	1,100.0	1,090.2	1,087.8	2.4	2.4	83.57	8.8	78.1	79.5	74.8	4.68	16.987	
1,200.0	1,200.0	1,185.8	1,181.7	2.6	2.7	88.34	2.8	94.8	96.6	91.4	5.18	18.651	
1,300.0	1,300.0	1,280.4	1,274.0	2.8	3.1	-24.58	-4.3	114.4	115.8	110.2	5.55	20.849	
1,400.0	1,399.8	1,374.4	1,365.0	3.0	3.5	-22.17	-12.3	136.6	135.2	129.2	5.98	22.624	
1,500.0	1,499.5	1,467.8	1,454.6	3.2	4.0	-20.50	-21.2	161.4	154.7	148.3	6.41	24.129	
1,600.0	1,598.7	1,560.7	1,542.8	3.4	4.5	-19.33	-31.1	188.8	174.2	167.3	6.86	25.384	
1,700.0	1,697.5	1,653.0	1,629.4	3.7	5.1	-18.51	-41.8	218.7	193.5	186.2	7.32	26.430	
1,800.0	1,795.6	1,744.7	1,714.5	4.0	5.8	-17.94	-53.4	251.0	212.8	204.9	7.81	27.243	
1,900.0	1,893.1	1,838.2	1,800.0	4.3	6.5	-17.56	-66.2	286.4	231.7	223.3	8.32	27.838	
2,000.0	1,989.6	1,936.8	1,890.1	4.7	7.4	-17.43	-79.8	324.4	248.0	239.1	8.88	27.943	
2,069.0	2,055.8	2,005.2	1,952.4	5.0	7.9	-17.49	-89.3	350.7	257.4	248.1	9.27	27.751	
2,100.0	2,085.3	2,035.9	1,980.5	5.2	8.2	-17.57	-93.6	362.6	261.2	251.8	9.47	27.576	
2,200.0	2,180.8	2,135.1	2,071.0	5.7	9.0	-17.80	-107.3	400.8	273.7	263.6	10.13	27.025	
2,300.0	2,276.2	2,234.4	2,161.6	6.2	9.9	-18.01	-121.1	439.0	286.1	275.3	10.80	26.499	
2,400.0	2,371.6	2,333.6	2,252.1	6.8	10.7	-18.20	-134.8	477.2	298.6	287.1	11.48	26.000	
2,500.0	2,467.1	2,432.8	2,342.6	7.4	11.6	-18.38	-148.6	515.4	311.0	298.8	12.18	25.530	
2,600.0	2,562.5	2,532.0	2,433.1	7.9	12.5	-18.54	-162.3	553.6	323.5	310.6	12.89	25.090	
2,700.0	2,657.9	2,631.2	2,523.7	8.5	13.3	-18.70	-176.1	591.8	335.9	322.3	13.61	24.678	
2,800.0	2,753.4	2,730.4	2,614.2	9.1	14.2	-18.84	-189.8	630.0	348.4	334.1	14.34	24.294	
2,900.0	2,848.8	2,829.7	2,704.7	9.7	15.1	-18.97	-203.5	668.2	360.9	345.8	15.08	23.935	
3,000.0	2,944.2	2,928.9	2,795.3	10.3	16.0	-19.09	-217.3	706.4	373.3	357.5	15.82	23.600	
3,100.0	3,039.7	3,028.1	2,885.8	11.0	16.8	-19.21	-231.0	744.6	385.8	369.2	16.57	23.288	
3,200.0	3,135.1	3,127.3	2,976.3	11.6	17.7	-19.31	-244.8	782.8	398.2	380.9	17.32	22.995	
3,300.0	3,230.5	3,226.5	3,066.9	12.2	18.6	-19.41	-258.5	821.0	410.7	392.6	18.08	22.722	
3,400.0	3,326.0	3,325.8	3,157.4	12.8	19.5	-19.51	-272.3	859.2	423.2	404.3	18.84	22.465	
3,500.0	3,421.4	3,425.0	3,247.9	13.4	20.3	-19.60	-286.0	897.4	435.7	416.1	19.60	22.225	
3,600.0	3,516.8	3,524.2	3,338.4	14.1	21.2	-19.68	-299.8	935.6	448.1	427.8	20.37	21.999	
3,700.0	3,612.3	3,623.4	3,429.0	14.7	22.1	-19.76	-313.5	973.8	460.6	439.5	21.14	21.786	
3,800.0	3,707.7	3,722.6	3,519.5	15.3	23.0	-19.84	-327.2	1,012.0	473.1	451.2	21.92	21.586	
3,900.0	3,803.1	3,821.8	3,610.0	15.9	23.9	-19.91	-341.0	1,050.2	485.5	462.9	22.69	21.397	
4,000.0	3,898.6	3,921.1	3,700.6	16.6	24.7	-19.98	-354.7	1,088.4	498.0	474.5	23.47	21.219	
4,100.0	3,994.0	4,020.3	3,791.1	17.2	25.6	-20.04	-368.5	1,126.6	510.5	486.2	24.25	21.050	
4,200.0	4,089.4	4,119.5	3,881.6	17.8	26.5	-20.11	-382.2	1,164.8	523.0	497.9	25.03	20.891	
4,300.0	4,184.9	4,218.7	3,972.2	18.5	27.4	-20.16	-396.0	1,203.0	535.4	509.6	25.82	20.740	
4,400.0	4,280.3	4,317.9	4,062.7	19.1	28.3	-20.22	-409.7	1,241.2	547.9	521.3	26.60	20.596	
4,500.0	4,375.7	4,417.1	4,153.2	19.7	29.2	-20.27	-423.5	1,279.4	560.4	533.0	27.39	20.460	
4,600.0	4,471.2	4,516.4	4,243.7	20.4	30.0	-20.33	-437.2	1,317.6	572.9	544.7	28.18	20.330	
4,700.0	4,566.6	4,615.6	4,334.3	21.0	30.9	-20.38	-451.0	1,355.8	585.3	556.4	28.97	20.206	
4,800.0	4,662.0	4,714.8	4,424.8	21.6	31.8	-20.42	-464.7	1,394.0	597.8	568.1	29.76	20.088	
4,900.0	4,757.5	4,814.0	4,515.3	22.3	32.7	-20.47	-478.4	1,432.2	610.3	579.8	30.55	19.976	
5,000.0	4,852.9	4,913.2	4,605.9	22.9	33.6	-20.51	-492.2	1,470.4	622.8	591.4	31.34	19.869	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix R-29HN - Wellbore #1 - Plan #1 (10-08-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,948.3	5,012.4	4,696.4	23.5	34.5	-20.55	-505.9	1,508.6	635.3	603.1	32.14	19.766	
5,200.0	5,043.8	5,111.7	4,786.9	24.2	35.3	-20.59	-519.7	1,546.8	647.7	614.8	32.93	19.668	
5,300.0	5,139.2	5,210.9	4,877.5	24.8	36.2	-20.63	-533.4	1,585.0	660.2	626.5	33.73	19.574	
5,400.0	5,234.7	5,310.1	4,968.0	25.5	37.1	-20.67	-547.2	1,623.2	672.7	638.2	34.53	19.484	
5,500.0	5,330.1	5,409.3	5,058.5	26.1	38.0	-20.70	-560.9	1,661.4	685.2	649.9	35.32	19.397	
5,600.0	5,425.5	5,508.5	5,149.0	26.7	38.9	-20.74	-574.7	1,699.6	697.7	661.5	36.12	19.314	
5,700.0	5,521.0	5,607.7	5,239.6	27.4	39.8	-20.77	-588.4	1,737.8	710.1	673.2	36.92	19.234	
5,800.0	5,616.4	5,707.0	5,330.1	28.0	40.6	-20.80	-602.2	1,776.0	722.6	684.9	37.72	19.158	
5,900.0	5,711.8	5,806.2	5,420.6	28.6	41.5	-20.84	-615.9	1,814.2	735.1	696.6	38.52	19.084	
6,000.0	5,807.3	5,905.4	5,511.2	29.3	42.4	-20.87	-629.6	1,852.5	747.6	708.3	39.32	19.013	
6,100.0	5,902.7	6,004.6	5,601.7	29.9	43.3	-20.89	-643.4	1,890.7	760.1	719.9	40.12	18.945	
6,200.0	5,998.1	6,103.8	5,692.2	30.6	44.2	-20.92	-657.1	1,928.9	772.6	731.6	40.92	18.879	
6,300.0	6,093.6	6,203.1	5,782.8	31.2	45.1	-20.95	-670.9	1,967.1	785.0	743.3	41.72	18.815	
6,400.0	6,189.0	6,302.3	5,873.3	31.8	45.9	-20.98	-684.6	2,005.3	797.5	755.0	42.53	18.753	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix S-29HC - Wellbore #1 - Plan #1 (10-08-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	122.01	-77.6	124.1	146.4				
100.0	100.0	100.0	100.0	0.1	0.1	122.01	-77.6	124.1	146.4	146.2	0.22	651.264	
200.0	200.0	200.0	200.0	0.3	0.3	122.01	-77.6	124.1	146.4	145.7	0.67	217.088	
300.0	300.0	300.0	300.0	0.6	0.6	122.01	-77.6	124.1	146.4	145.3	1.12	130.253	
400.0	400.0	400.0	400.0	0.8	0.8	122.01	-77.6	124.1	146.4	144.8	1.57	93.038	
500.0	500.0	500.0	500.0	1.0	1.0	122.01	-77.6	124.1	146.4	144.4	2.02	72.363	
600.0	600.0	600.0	600.0	1.2	1.2	122.01	-77.6	124.1	146.4	143.9	2.47	59.206	CC, ES
700.0	700.0	695.3	695.3	1.5	1.4	121.85	-78.0	125.6	148.0	145.1	2.90	51.102	
800.0	800.0	790.3	790.2	1.7	1.6	121.37	-79.4	130.2	152.8	149.5	3.31	46.101	
900.0	900.0	885.0	884.5	1.9	1.8	120.65	-81.6	137.7	160.8	157.1	3.75	42.896	
1,000.0	1,000.0	979.0	977.9	2.1	2.1	119.76	-84.7	148.1	172.1	167.9	4.21	40.902	
1,100.0	1,100.0	1,072.2	1,070.1	2.4	2.3	118.77	-88.6	161.4	186.5	181.8	4.69	39.741	
1,200.0	1,200.0	1,164.4	1,160.8	2.6	2.6	117.76	-93.3	177.3	204.1	198.9	5.21	39.156	
1,300.0	1,300.0	1,255.8	1,250.1	2.8	3.0	0.24	-98.8	195.8	223.2	217.7	5.47	40.829	
1,400.0	1,399.8	1,346.7	1,338.3	3.0	3.4	-0.71	-105.0	216.9	242.0	236.1	5.87	41.217	
1,500.0	1,499.5	1,437.0	1,425.2	3.2	3.8	-1.62	-112.0	240.6	260.5	254.2	6.28	41.453	
1,600.0	1,598.7	1,526.9	1,510.8	3.4	4.3	-2.51	-119.7	266.7	278.7	272.0	6.71	41.558	
1,700.0	1,697.5	1,616.2	1,595.0	3.7	4.9	-3.38	-128.2	295.2	296.6	289.4	7.14	41.559	
1,800.0	1,795.6	1,700.0	1,673.2	4.0	5.5	-4.18	-136.7	324.2	314.2	306.7	7.56	41.551	
1,900.0	1,893.1	1,793.5	1,759.3	4.3	6.2	-5.07	-147.1	359.1	331.5	323.4	8.03	41.256	
2,000.0	1,989.6	1,890.2	1,847.5	4.7	7.0	-5.97	-158.3	397.1	347.4	338.9	8.53	40.733	
2,069.0	2,055.8	1,958.5	1,909.8	5.0	7.5	-6.60	-166.2	423.9	356.5	347.6	8.88	40.133	
2,100.0	2,085.3	1,989.2	1,937.8	5.2	7.8	-6.88	-169.8	436.0	360.2	351.2	9.06	39.759	
2,200.0	2,180.8	2,088.3	2,028.2	5.7	8.6	-7.77	-181.3	474.9	372.3	362.7	9.65	38.602	
2,300.0	2,276.2	2,187.4	2,118.6	6.2	9.5	-8.60	-192.8	513.9	384.5	374.3	10.25	37.526	
2,400.0	2,371.6	2,286.5	2,209.0	6.8	10.3	-9.38	-204.3	552.8	396.8	385.9	10.86	36.523	
2,500.0	2,467.1	2,385.6	2,299.4	7.4	11.2	-10.11	-215.8	591.8	409.1	397.6	11.50	35.589	
2,600.0	2,562.5	2,484.7	2,389.8	7.9	12.1	-10.80	-227.3	630.7	421.5	409.4	12.14	34.717	
2,700.0	2,657.9	2,583.8	2,480.2	8.5	12.9	-11.45	-238.9	669.7	433.9	421.1	12.80	33.902	
2,800.0	2,753.4	2,683.0	2,570.6	9.1	13.8	-12.06	-250.4	708.6	446.4	433.0	13.47	33.140	
2,900.0	2,848.8	2,782.1	2,661.0	9.7	14.7	-12.64	-261.9	747.6	459.0	444.8	14.15	32.427	
3,000.0	2,944.2	2,881.2	2,751.4	10.3	15.6	-13.19	-273.4	786.5	471.6	456.7	14.85	31.758	
3,100.0	3,039.7	2,980.3	2,841.8	11.0	16.4	-13.71	-284.9	825.5	484.2	468.6	15.55	31.130	
3,200.0	3,135.1	3,079.4	2,932.2	11.6	17.3	-14.20	-296.4	864.4	496.9	480.6	16.27	30.540	
3,300.0	3,230.5	3,178.5	3,022.6	12.2	18.2	-14.67	-307.9	903.4	509.6	492.6	16.99	29.985	
3,400.0	3,326.0	3,277.6	3,113.0	12.8	19.1	-15.12	-319.5	942.3	522.3	504.6	17.73	29.462	
3,500.0	3,421.4	3,376.7	3,203.4	13.4	19.9	-15.55	-331.0	981.2	535.1	516.6	18.47	28.969	
3,600.0	3,516.8	3,475.8	3,293.8	14.1	20.8	-15.95	-342.5	1,020.2	547.8	528.6	19.22	28.504	
3,700.0	3,612.3	3,574.9	3,384.2	14.7	21.7	-16.34	-354.0	1,059.1	560.7	540.7	19.98	28.064	
3,800.0	3,707.7	3,674.0	3,474.6	15.3	22.6	-16.71	-365.5	1,098.1	573.5	552.8	20.74	27.648	
3,900.0	3,803.1	3,773.1	3,565.0	15.9	23.5	-17.06	-377.0	1,137.0	586.4	564.9	21.51	27.254	
4,000.0	3,898.6	3,872.2	3,655.4	16.6	24.3	-17.40	-388.5	1,176.0	599.3	577.0	22.29	26.881	
4,100.0	3,994.0	3,971.3	3,745.8	17.2	25.2	-17.73	-400.0	1,214.9	612.2	589.1	23.08	26.527	
4,200.0	4,089.4	4,070.4	3,836.3	17.8	26.1	-18.04	-411.6	1,253.9	625.1	601.2	23.87	26.190	
4,300.0	4,184.9	4,169.5	3,926.7	18.5	27.0	-18.34	-423.1	1,292.8	638.0	613.4	24.66	25.871	
4,400.0	4,280.3	4,268.6	4,017.1	19.1	27.9	-18.62	-434.6	1,331.8	651.0	625.5	25.46	25.566	
4,500.0	4,375.7	4,367.7	4,107.5	19.7	28.8	-18.90	-446.1	1,370.7	663.9	637.7	26.27	25.276	
4,600.0	4,471.2	4,466.9	4,197.9	20.4	29.6	-19.16	-457.6	1,409.7	676.9	649.8	27.08	25.000	
4,700.0	4,566.6	4,566.0	4,288.3	21.0	30.5	-19.42	-469.1	1,448.6	689.9	662.0	27.89	24.737	
4,800.0	4,662.0	4,665.1	4,378.7	21.6	31.4	-19.66	-480.6	1,487.6	702.9	674.2	28.71	24.485	
4,900.0	4,757.5	4,764.2	4,469.1	22.3	32.3	-19.90	-492.2	1,526.5	716.0	686.4	29.53	24.244	
5,000.0	4,852.9	4,863.3	4,559.5	22.9	33.2	-20.13	-503.7	1,565.5	729.0	698.6	30.36	24.014	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix S-29HC - Wellbore #1 - Plan #1 (10-08-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,948.3	4,962.4	4,649.9	23.5	34.1	-20.35	-515.2	1,604.4	742.0	710.9	31.19	23.794	
5,200.0	5,043.8	5,061.5	4,740.3	24.2	34.9	-20.56	-526.7	1,643.4	755.1	723.1	32.02	23.583	
5,300.0	5,139.2	5,160.6	4,830.7	24.8	35.8	-20.76	-538.2	1,682.3	768.2	735.3	32.85	23.381	
5,400.0	5,234.7	5,259.7	4,921.1	25.5	36.7	-20.96	-549.7	1,721.3	781.2	747.6	33.69	23.187	
5,500.0	5,330.1	5,358.8	5,011.5	26.1	37.6	-21.15	-561.2	1,760.2	794.3	759.8	34.53	23.001	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix T-29HN - Wellbore #1 - Plan #1 (10-02-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	117.05	-69.9	136.9	153.8				
100.0	100.0	100.0	100.0	0.1	0.1	117.05	-69.9	136.9	153.8	153.5	0.22	684.046	
200.0	200.0	200.0	200.0	0.3	0.3	117.05	-69.9	136.9	153.8	153.1	0.67	228.015	CC, ES
300.0	300.0	295.0	294.9	0.6	0.5	116.95	-70.4	138.4	155.4	154.3	1.10	141.285	
400.0	400.0	389.7	389.6	0.8	0.7	116.64	-71.7	142.9	160.3	158.7	1.53	104.645	
500.0	500.0	484.0	483.6	1.0	1.0	116.17	-73.9	150.4	168.4	166.4	1.99	84.758	
600.0	600.0	577.7	576.7	1.2	1.2	115.59	-77.0	160.8	179.8	177.3	2.47	72.755	
700.0	700.0	670.7	668.5	1.5	1.5	114.94	-80.9	173.9	194.4	191.4	2.99	65.042	
800.0	800.0	762.6	759.0	1.7	1.9	114.28	-85.6	189.7	212.1	208.6	3.54	59.888	
900.0	900.0	853.4	847.7	1.9	2.3	113.62	-91.0	208.1	233.0	228.9	4.13	56.368	
1,000.0	1,000.0	942.8	934.5	2.1	2.7	113.01	-97.1	228.7	257.0	252.2	4.76	53.939	
1,100.0	1,100.0	1,030.8	1,019.2	2.4	3.2	112.44	-103.9	251.6	284.0	278.5	5.43	52.270	
1,200.0	1,200.0	1,117.2	1,101.6	2.6	3.7	111.92	-111.3	276.5	313.9	307.7	6.14	51.142	
1,300.0	1,300.0	1,200.0	1,179.8	2.8	4.2	-5.03	-119.0	302.6	345.0	339.4	5.63	61.232	
1,400.0	1,399.8	1,287.0	1,261.1	3.0	4.9	-5.47	-127.8	332.3	375.6	369.6	6.08	61.780	
1,500.0	1,499.5	1,370.8	1,338.5	3.2	5.5	-5.89	-136.9	363.2	405.8	399.3	6.53	62.183	
1,600.0	1,598.7	1,460.2	1,420.1	3.4	6.3	-6.33	-147.3	398.1	435.1	428.1	7.01	62.101	
1,700.0	1,697.5	1,556.6	1,507.9	3.7	7.1	-6.81	-158.5	436.1	461.5	454.0	7.51	61.457	
1,800.0	1,795.6	1,653.8	1,596.6	4.0	8.0	-7.28	-169.9	474.4	484.6	476.5	8.03	60.368	
1,900.0	1,893.1	1,751.7	1,685.8	4.3	8.8	-7.76	-181.3	513.0	504.3	495.7	8.56	58.916	
2,000.0	1,989.6	1,850.2	1,775.6	4.7	9.7	-8.26	-192.8	551.8	520.7	511.6	9.11	57.173	
2,069.0	2,055.8	1,918.5	1,837.9	5.0	10.3	-8.63	-200.8	578.7	530.0	520.5	9.49	55.828	
2,100.0	2,085.3	1,949.2	1,865.9	5.2	10.6	-8.81	-204.3	590.8	533.8	524.2	9.68	55.143	
2,200.0	2,180.8	2,048.3	1,956.2	5.7	11.4	-9.37	-215.9	629.9	546.2	535.9	10.30	53.058	
2,300.0	2,276.2	2,147.4	2,046.5	6.2	12.3	-9.90	-227.5	669.0	558.7	547.8	10.92	51.150	
2,400.0	2,371.6	2,246.5	2,136.9	6.8	13.2	-10.41	-239.0	708.0	571.2	559.6	11.56	49.402	
2,500.0	2,467.1	2,345.6	2,227.2	7.4	14.1	-10.90	-250.6	747.1	583.7	571.5	12.21	47.796	
2,600.0	2,562.5	2,444.7	2,317.5	7.9	15.0	-11.37	-262.2	786.1	596.3	583.4	12.87	46.317	
2,700.0	2,657.9	2,543.7	2,407.9	8.5	15.8	-11.82	-273.7	825.2	608.9	595.4	13.55	44.952	
2,800.0	2,753.4	2,642.8	2,498.2	9.1	16.7	-12.25	-285.3	864.2	621.6	607.4	14.23	43.690	
2,900.0	2,848.8	2,741.9	2,588.5	9.7	17.6	-12.66	-296.9	903.3	634.3	619.4	14.92	42.520	
3,000.0	2,944.2	2,841.0	2,678.9	10.3	18.5	-13.06	-308.4	942.3	647.0	631.4	15.62	41.433	
3,100.0	3,039.7	2,940.1	2,769.2	11.0	19.4	-13.44	-320.0	981.4	659.7	643.4	16.32	40.421	
3,200.0	3,135.1	3,039.2	2,859.5	11.6	20.3	-13.81	-331.6	1,020.5	672.5	655.5	17.04	39.476	
3,300.0	3,230.5	3,138.3	2,949.9	12.2	21.2	-14.16	-343.1	1,059.5	685.3	667.6	17.76	38.594	
3,400.0	3,326.0	3,237.4	3,040.2	12.8	22.0	-14.51	-354.7	1,098.6	698.2	679.7	18.49	37.768	
3,500.0	3,421.4	3,336.5	3,130.5	13.4	22.9	-14.83	-366.3	1,137.6	711.0	691.8	19.22	36.993	
3,600.0	3,516.8	3,435.5	3,220.8	14.1	23.8	-15.15	-377.8	1,176.7	723.9	703.9	19.96	36.264	
3,700.0	3,612.3	3,534.6	3,311.2	14.7	24.7	-15.46	-389.4	1,215.7	736.8	716.1	20.71	35.579	
3,800.0	3,707.7	3,633.7	3,401.5	15.3	25.6	-15.75	-400.9	1,254.8	749.7	728.2	21.46	34.933	
3,900.0	3,803.1	3,732.8	3,491.8	15.9	26.5	-16.04	-412.5	1,293.8	762.6	740.4	22.22	34.323	
4,000.0	3,898.6	3,831.9	3,582.2	16.6	27.4	-16.31	-424.1	1,332.9	775.6	752.6	22.98	33.747	
4,100.0	3,994.0	3,931.0	3,672.5	17.2	28.3	-16.58	-435.6	1,372.0	788.5	764.8	23.75	33.201	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Moro Farms 31-29 Pad Sec.29-T6N-R65W - Moro Farms 31-29 - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 699- — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
11,400.0	7,022.4	7,257.5	7,022.7	80.4	31.2	-90.94	4,130.7	819.8	770.2	674.8	95.45	8.069	
11,500.0	7,021.8	7,256.3	7,021.5	82.2	31.2	-90.84	4,130.7	819.8	727.7	630.4	97.30	7.479	
11,600.0	7,021.2	7,255.1	7,020.3	84.1	31.2	-90.73	4,130.7	819.8	697.0	597.8	99.16	7.029	
11,700.0	7,020.6	7,253.8	7,019.1	85.9	31.2	-90.63	4,130.7	819.7	679.8	578.7	101.01	6.729	
11,768.6	7,020.2	7,253.0	7,018.3	87.1	31.2	-90.56	4,130.7	819.7	676.3	574.0	102.29	6.611	CC
11,775.0	7,020.1	7,252.9	7,018.2	87.2	31.2	-90.55	4,130.7	819.7	676.3	573.9	102.41	6.604	ES, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Moro Farms 31-29 Pad Sec.29-T6N-R65W - Moro Farms CNE-29 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 606- **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,500.0	7,027.9	7,158.3	7,024.0	64.5	23.6	-92.57	3,550.4	1,303.8	713.4	635.3	78.10	9.134	
10,600.0	7,027.3	7,157.2	7,022.9	66.2	23.6	-92.26	3,550.4	1,303.8	617.8	537.9	79.91	7.732	
10,700.0	7,026.7	7,156.2	7,021.8	68.0	23.6	-91.95	3,550.4	1,303.8	523.9	442.2	81.72	6.411	
10,800.0	7,026.1	7,155.1	7,020.8	69.7	23.6	-91.63	3,550.4	1,303.8	432.6	349.1	83.53	5.179	
10,900.0	7,025.5	7,154.1	7,019.7	71.5	23.6	-91.32	3,550.4	1,303.8	346.3	260.9	85.35	4.057	
11,000.0	7,024.9	7,153.0	7,018.7	73.3	23.6	-91.01	3,550.4	1,303.8	269.5	182.3	87.17	3.091	
11,100.0	7,024.3	7,151.9	7,017.6	75.1	23.6	-90.70	3,550.4	1,303.7	212.9	123.9	89.00	2.392	
11,186.4	7,023.7	7,151.0	7,016.7	76.6	23.6	-90.43	3,550.4	1,303.7	194.6	104.0	90.58	2.148	CC, ES
11,200.0	7,023.6	7,150.9	7,016.5	76.8	23.6	-90.39	3,550.4	1,303.7	195.1	104.2	90.83	2.148	SF
11,300.0	7,023.0	7,149.8	7,015.5	78.6	23.6	-90.07	3,550.4	1,303.7	225.3	132.6	92.66	2.432	
11,400.0	7,022.4	7,148.8	7,014.4	80.4	23.6	-89.76	3,550.5	1,303.7	288.9	194.4	94.49	3.058	
11,500.0	7,021.8	7,147.7	7,013.4	82.2	23.6	-89.45	3,550.5	1,303.7	369.0	272.7	96.32	3.831	
11,600.0	7,021.2	7,146.6	7,012.3	84.1	23.6	-89.14	3,550.5	1,303.7	457.0	358.9	98.16	4.656	
11,700.0	7,020.6	7,145.6	7,011.2	85.9	23.6	-88.83	3,550.5	1,303.7	549.2	449.2	99.99	5.492	
11,775.0	7,020.1	7,144.8	7,010.4	87.2	23.6	-88.60	3,550.5	1,303.7	619.9	518.5	101.37	6.115	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Moro Farms CSE-29 Pad Sec.29-T6N-R65W - Moro Farms 34-29 (Vert.) - Wellbore #1 - Moro Farms 34 — **Offset Site Error:** 0.0 ft

Survey Program: 0- — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
2,300.0	2,276.2	2,262.7	2,262.7	6.2	5.0	-36.56	30.3	955.1	785.5	775.3	10.27	76.454	
2,400.0	2,371.6	2,358.1	2,358.1	6.8	5.2	-37.87	30.3	955.1	761.3	750.4	10.91	69.785	
2,500.0	2,467.1	2,453.6	2,453.6	7.4	5.4	-39.27	30.3	955.1	737.6	726.0	11.57	63.729	
2,600.0	2,562.5	2,549.0	2,549.0	7.9	5.6	-40.76	30.3	955.1	714.3	702.0	12.27	58.233	
2,700.0	2,657.9	2,644.4	2,644.4	8.5	5.8	-42.34	30.3	955.1	691.5	678.5	12.99	53.245	
2,800.0	2,753.4	2,739.9	2,739.9	9.1	6.0	-44.03	30.3	955.1	669.2	655.5	13.74	48.718	
2,900.0	2,848.8	2,835.3	2,835.3	9.7	6.3	-45.82	30.3	955.1	647.6	633.0	14.52	44.611	
3,000.0	2,944.2	2,930.7	2,930.7	10.3	6.5	-47.73	30.3	955.1	626.6	611.3	15.33	40.886	
3,100.0	3,039.7	3,026.2	3,026.2	11.0	6.7	-49.77	30.3	955.1	606.4	590.2	16.17	37.511	
3,200.0	3,135.1	3,121.6	3,121.6	11.6	6.9	-51.93	30.3	955.1	587.0	570.0	17.04	34.457	
3,300.0	3,230.5	3,217.0	3,217.0	12.2	7.1	-54.23	30.3	955.1	568.5	550.6	17.94	31.698	
3,400.0	3,326.0	3,312.5	3,312.5	12.8	7.3	-56.67	30.3	955.1	551.0	532.2	18.86	29.212	
3,500.0	3,421.4	3,407.9	3,407.9	13.4	7.5	-59.26	30.3	955.1	534.7	514.8	19.82	26.979	
3,600.0	3,516.8	3,503.3	3,503.3	14.1	7.8	-61.99	30.3	955.1	519.5	498.7	20.79	24.983	
3,700.0	3,612.3	3,598.8	3,598.8	14.7	8.0	-64.87	30.3	955.1	505.6	483.8	21.79	23.208	
3,800.0	3,707.7	3,694.2	3,694.2	15.3	8.2	-67.89	30.3	955.1	493.2	470.4	22.79	21.639	
3,900.0	3,803.1	3,789.6	3,789.6	15.9	8.4	-71.05	30.3	955.1	482.2	458.4	23.80	20.263	
4,000.0	3,898.6	3,885.1	3,885.1	16.6	8.6	-74.33	30.3	955.1	473.0	448.2	24.80	19.069	
4,100.0	3,994.0	3,980.5	3,980.5	17.2	8.8	-77.72	30.3	955.1	465.4	439.6	25.79	18.046	
4,200.0	4,089.4	4,075.9	4,075.9	17.8	9.0	-81.19	30.3	955.1	459.7	432.9	26.76	17.182	
4,300.0	4,184.9	4,171.4	4,171.4	18.5	9.3	-84.74	30.3	955.1	455.9	428.2	27.68	16.467	
4,400.0	4,280.3	4,266.8	4,266.8	19.1	9.5	-88.32	30.3	955.1	454.0	425.4	28.57	15.890	
4,446.6	4,324.8	4,311.3	4,311.3	19.4	9.6	-90.00	30.3	955.1	453.8	424.8	28.97	15.666 CC	
4,500.0	4,375.7	4,362.2	4,362.2	19.7	9.7	-91.92	30.3	955.1	454.0	424.6	29.40	15.442 ES	
4,600.0	4,471.2	4,457.7	4,457.7	20.4	9.9	-95.50	30.3	955.1	456.1	425.9	30.18	15.112	
4,700.0	4,566.6	4,553.1	4,553.1	21.0	10.1	-99.05	30.3	955.1	460.0	429.1	30.89	14.890	
4,800.0	4,662.0	4,648.5	4,648.5	21.6	10.3	-102.52	30.3	955.1	465.9	434.3	31.55	14.767	
4,900.0	4,757.5	4,744.0	4,744.0	22.3	10.6	-105.90	30.3	955.1	473.5	441.4	32.14	14.734 SF	
5,000.0	4,852.9	4,839.4	4,839.4	22.9	10.8	-109.17	30.3	955.1	482.9	450.3	32.67	14.780	
5,100.0	4,948.3	4,934.8	4,934.8	23.5	11.0	-112.32	30.3	955.1	494.0	460.8	33.16	14.898	
5,200.0	5,043.8	5,030.3	5,030.3	24.2	11.2	-115.33	30.3	955.1	506.5	472.9	33.59	15.078	
5,300.0	5,139.2	5,125.7	5,125.7	24.8	11.4	-118.20	30.3	955.1	520.5	486.5	33.99	15.313	
5,400.0	5,234.7	5,221.2	5,221.2	25.5	11.6	-120.92	30.3	955.1	535.7	501.4	34.35	15.596	
5,500.0	5,330.1	5,316.6	5,316.6	26.1	11.8	-123.50	30.3	955.1	552.2	517.5	34.69	15.920	
5,600.0	5,425.5	5,412.0	5,412.0	26.7	12.1	-125.93	30.3	955.1	569.7	534.7	35.00	16.278	
5,700.0	5,521.0	5,507.5	5,507.5	27.4	12.3	-128.22	30.3	955.1	588.3	553.0	35.30	16.665	
5,800.0	5,616.4	5,602.9	5,602.9	28.0	12.5	-130.37	30.3	955.1	607.7	572.1	35.59	17.077	
5,900.0	5,711.8	5,698.3	5,698.3	28.6	12.7	-132.40	30.3	955.1	628.0	592.1	35.87	17.508	
6,000.0	5,807.3	5,793.8	5,793.8	29.3	12.9	-134.30	30.3	955.1	649.0	612.9	36.15	17.955	
6,100.0	5,902.7	5,889.2	5,889.2	29.9	13.1	-136.09	30.3	955.1	670.7	634.3	36.42	18.413	
6,200.0	5,998.1	5,984.6	5,984.6	30.6	13.3	-137.77	30.3	955.1	693.0	656.3	36.70	18.881	
6,300.0	6,093.6	6,080.1	6,080.1	31.2	13.6	-139.34	30.3	955.1	715.8	678.8	36.98	19.355	
6,400.0	6,189.0	6,175.5	6,175.5	31.8	13.8	-140.83	30.3	955.1	739.2	701.9	37.27	19.832	
6,477.4	6,262.8	6,249.3	6,249.3	32.3	13.9	-141.91	30.3	955.1	757.5	720.1	37.50	20.203	
6,500.0	6,284.5	6,271.0	6,271.0	32.5	14.0	-136.59	30.3	955.1	762.7	725.0	37.67	20.244	
6,550.0	6,332.5	6,319.0	6,319.0	32.7	14.1	-123.61	30.3	955.1	771.8	733.9	37.91	20.361	
6,600.0	6,380.6	6,367.1	6,367.1	32.9	14.2	-110.02	30.3	955.1	778.1	740.1	37.95	20.505	
6,650.0	6,428.7	6,415.2	6,415.2	33.1	14.3	-97.51	30.3	955.1	781.5	743.7	37.80	20.674	
6,700.0	6,476.3	6,462.8	6,462.8	33.3	14.4	-87.26	30.3	955.1	782.0	744.6	37.48	20.867	
6,750.0	6,523.4	6,509.9	6,509.9	33.4	14.5	-79.54	30.3	955.1	779.9	742.9	37.00	21.080	
6,800.0	6,569.6	6,556.1	6,556.1	33.6	14.6	-74.06	30.3	955.1	775.2	738.8	36.38	21.306	
6,850.0	6,614.9	6,601.4	6,601.4	33.7	14.7	-70.39	30.3	955.1	768.0	732.3	35.66	21.533	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Moro Farms CSE-29 Pad Sec.29-T6N-R65W - Moro Farms 34-29 (Vert.) - Wellbore #1 - Moro Farms 34

Offset Site Error: 0.0 ft

Survey Program: 0- **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6,900.0	6,658.8	6,645.3	6,645.3	33.7	14.8	-68.14	30.3	955.1	758.5	723.6	34.88	21.743	
6,950.0	6,701.3	6,687.8	6,687.8	33.8	14.9	-67.04	30.3	955.1	746.9	712.8	34.09	21.908	
7,000.0	6,742.0	6,728.5	6,728.5	33.8	15.0	-66.85	30.3	955.1	733.5	700.1	33.35	21.993	
7,050.0	6,780.9	6,767.4	6,767.4	33.8	15.1	-67.42	30.3	955.1	718.5	685.8	32.73	21.954	
7,100.0	6,817.8	6,804.3	6,804.3	33.9	15.2	-68.61	30.3	955.1	702.2	669.9	32.29	21.750	
7,150.0	6,852.3	6,838.8	6,838.8	33.8	15.3	-70.32	30.3	955.1	685.0	652.9	32.08	21.354	
7,200.0	6,884.5	6,871.0	6,871.0	33.8	15.3	-72.43	30.3	955.1	667.2	635.1	32.12	20.769	
7,250.0	6,914.0	6,900.5	6,900.5	33.8	15.4	-74.83	30.3	955.1	649.2	616.8	32.41	20.034	
7,300.0	6,940.9	6,927.4	6,927.4	33.7	15.5	-77.38	30.3	955.1	631.6	598.7	32.87	19.213	
7,350.0	6,964.9	6,951.4	6,951.4	33.7	15.5	-79.98	30.3	955.1	614.7	581.3	33.45	18.376	
7,400.0	6,985.9	6,972.4	6,972.4	33.6	15.6	-82.47	30.3	955.1	599.2	565.1	34.07	17.587	
7,450.0	7,003.9	6,990.4	6,990.4	33.6	15.6	-84.76	30.3	955.1	585.4	550.7	34.66	16.889	
7,500.0	7,018.6	7,005.1	7,005.1	33.5	15.6	-86.73	30.3	955.1	573.9	538.7	35.20	16.305	
7,550.0	7,030.2	7,016.7	7,016.7	33.4	15.7	-88.29	30.3	955.1	565.1	529.4	35.66	15.846	
7,600.0	7,038.5	7,025.0	7,025.0	33.4	15.7	-89.38	30.3	955.1	559.4	523.3	36.05	15.514	
7,650.0	7,043.4	7,029.9	7,029.9	33.3	15.7	-89.96	30.3	955.1	557.1	520.7	36.39	15.307	
7,658.2	7,043.9	7,030.4	7,030.4	33.3	15.7	-90.00	30.3	955.1	557.0	520.6	36.45	15.283	
7,703.2	7,045.0	7,031.5	7,031.5	33.2	15.7	-89.98	30.3	955.1	558.4	521.7	36.70	15.217	
7,800.0	7,044.4	7,030.9	7,030.9	33.1	15.7	-89.92	30.3	955.1	572.8	535.7	37.17	15.413	
7,900.0	7,043.8	7,030.3	7,030.3	33.1	15.7	-89.85	30.3	955.1	603.8	566.1	37.75	15.994	
8,000.0	7,043.2	7,029.7	7,029.7	33.2	15.7	-89.79	30.3	955.1	648.9	610.4	38.49	16.860	
8,100.0	7,042.6	7,029.1	7,029.1	33.4	15.7	-89.73	30.3	955.1	705.4	666.0	39.36	17.923	
8,200.0	7,042.0	7,028.5	7,028.5	33.7	15.7	-89.67	30.3	955.1	770.7	730.4	40.34	19.105	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Moro Farms CSE-29 Pad Sec.29-T6N-R65W - Moro Farms CSE-29 - Wellbore #1 - Wellbore #1

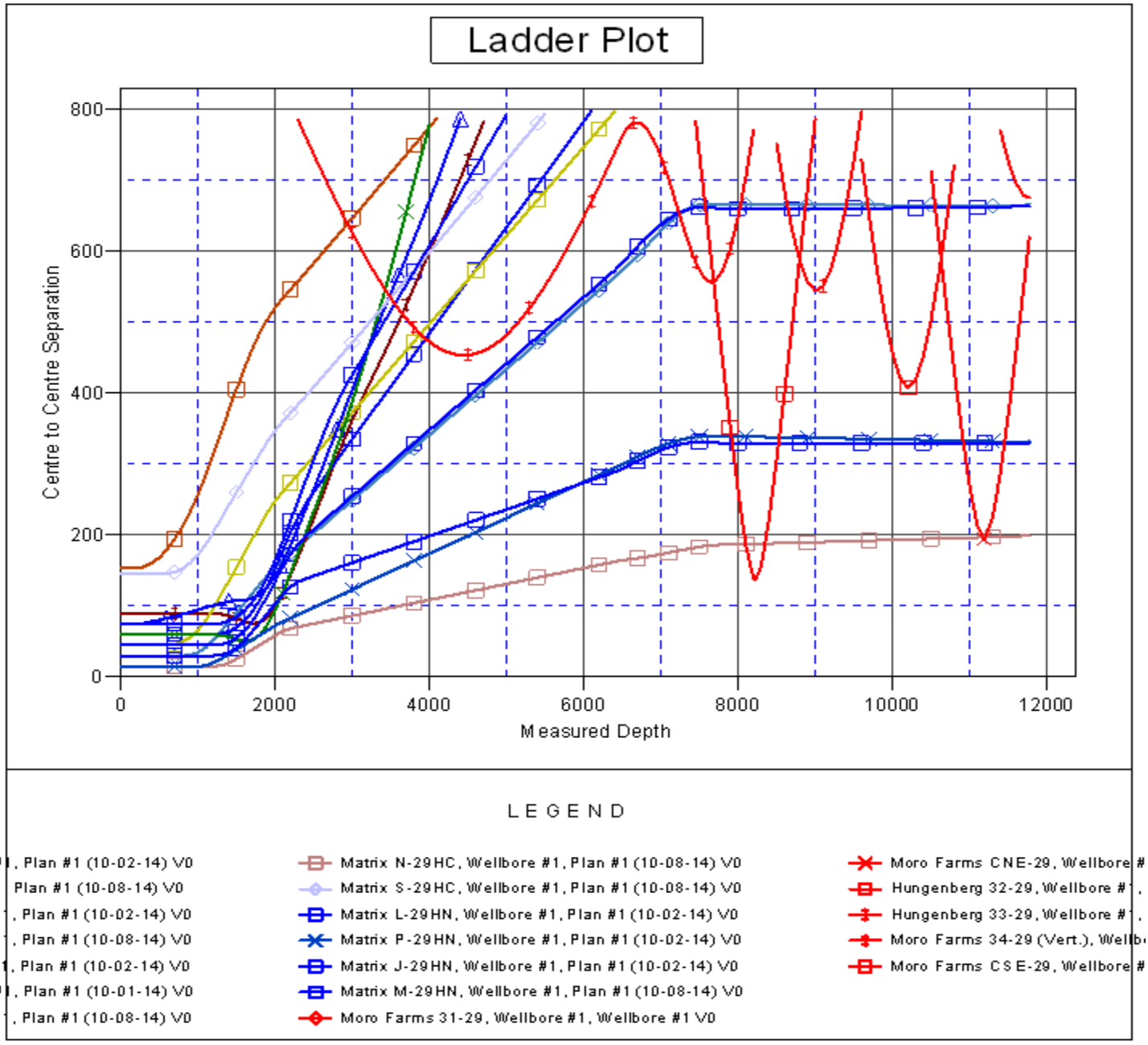
Offset Site Error: 0.0 ft

Survey Program: 606- **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,450.0	7,003.9	7,087.5	6,987.0	33.6	21.1	15.63	589.9	1,647.1	783.8	756.3	27.43	28.574	
7,500.0	7,018.6	7,101.8	7,001.3	33.5	21.1	24.17	590.0	1,647.1	736.3	707.8	28.54	25.803	
7,550.0	7,030.2	7,113.1	7,012.6	33.4	21.1	36.40	590.0	1,647.1	688.2	656.5	31.69	21.714	
7,600.0	7,038.5	7,121.3	7,020.8	33.4	21.1	52.97	590.0	1,647.1	639.6	603.5	36.10	17.719	
7,650.0	7,043.4	7,126.0	7,025.5	33.3	21.1	71.91	590.1	1,647.2	590.8	551.8	39.01	15.146	
7,703.2	7,045.0	7,126.0	7,025.5	33.2	21.1	89.25	590.1	1,647.2	539.1	500.3	38.78	13.903	
7,800.0	7,044.4	7,126.0	7,025.5	33.1	21.1	89.25	590.1	1,647.2	446.2	406.9	39.25	11.367	
7,900.0	7,043.8	7,127.9	7,027.4	33.1	21.1	90.04	590.1	1,647.2	352.4	312.6	39.76	8.862	
8,000.0	7,043.2	7,127.8	7,027.3	33.2	21.1	90.00	590.1	1,647.2	263.1	222.6	40.51	6.495	
8,100.0	7,042.6	7,127.7	7,027.2	33.4	21.1	89.95	590.1	1,647.2	185.2	143.8	41.39	4.474	
8,200.0	7,042.0	7,127.6	7,027.1	33.7	21.1	89.90	590.1	1,647.2	139.2	96.8	42.39	3.283	
8,224.6	7,041.8	7,127.5	7,027.1	33.8	21.1	89.89	590.1	1,647.2	137.0	94.3	42.66	3.210	CC, ES, SF
8,300.0	7,041.4	7,127.4	7,027.0	34.1	21.1	89.86	590.1	1,647.2	156.3	112.8	43.50	3.594	
8,400.0	7,040.7	7,127.3	7,026.9	34.7	21.1	89.81	590.1	1,647.2	222.5	177.8	44.70	4.978	
8,500.0	7,040.1	7,127.2	7,026.7	35.4	21.1	89.76	590.1	1,647.2	307.5	261.6	45.97	6.689	
8,600.0	7,039.5	7,127.1	7,026.6	36.3	21.1	89.71	590.1	1,647.2	399.6	352.2	47.32	8.443	
8,700.0	7,038.9	7,127.0	7,026.5	37.3	21.1	89.66	590.1	1,647.2	494.7	446.0	48.74	10.151	
8,800.0	7,038.3	7,126.9	7,026.4	38.3	21.1	89.61	590.1	1,647.2	591.4	541.2	50.20	11.782	
8,900.0	7,037.7	7,126.7	7,026.3	39.5	21.1	89.56	590.1	1,647.2	689.1	637.4	51.71	13.326	
9,000.0	7,037.1	7,126.6	7,026.1	40.8	21.1	89.51	590.1	1,647.2	787.4	734.1	53.26	14.783	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 4729.5ft (RKB - 22.5')	Coordinates are relative to: Matrix O-29HN
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: 0.52°



Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix O-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix O-29HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #1 (10-08-14)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 4729.5ft (RKB - 22.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Matrix O-29HN
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.52°