Bayswater Exploration & Production, LLC

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

Surface Location: Matrix 29- Pad Sec.29-T6N-R65W

North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

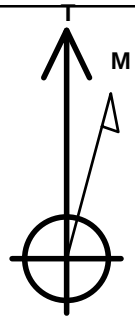
Ground Elevation: 4708.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	408764.45	3225855.38	40.452623	-104.688418	

RKB - 22.5' WELL @ 4730.5ft (RKB - 22.5')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 435'FSL & 2309'FWL	1.0	0.0	0.0	Point
BHL 465'FNL, 470'FWL	6946.0	4541.3	-1866.0	Point



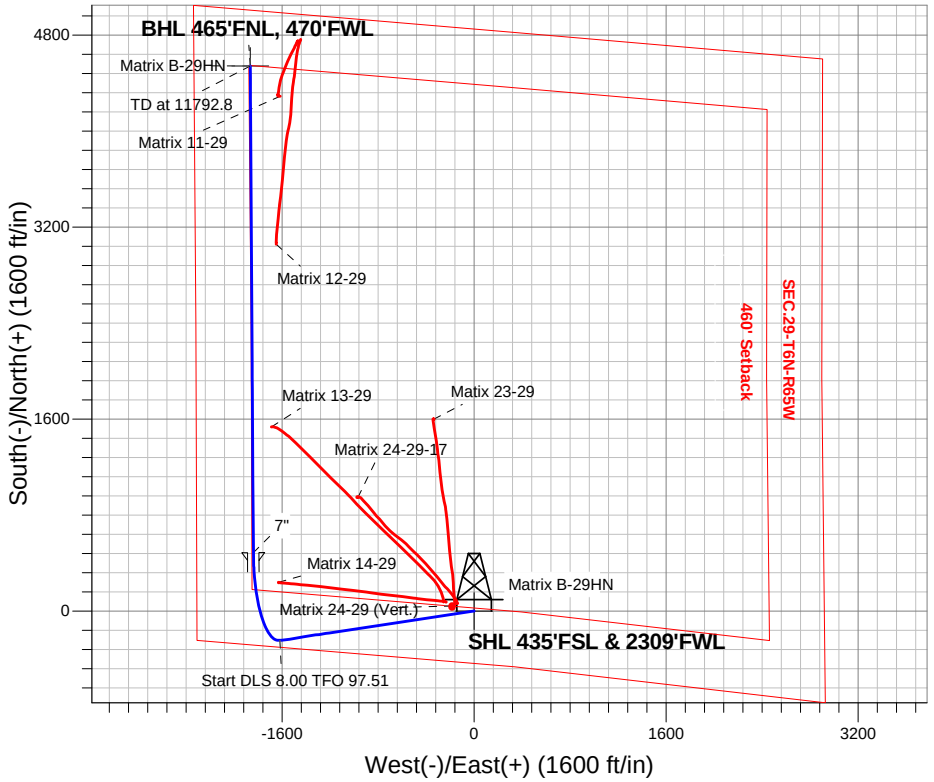
Azimuths to True North
Magnetic North: 8.38°

Magnetic Field
Strength: 52820.4snT
Dip Angle: 66.99°
Date: 10/1/2014
Model: IGRF2010

Matrix 29- Pad Sec.29-T6N-R65W
Matrix B-29HN
Plan #1 (10-01-14)
12:37, October 03 2014

ANNOTATIONS

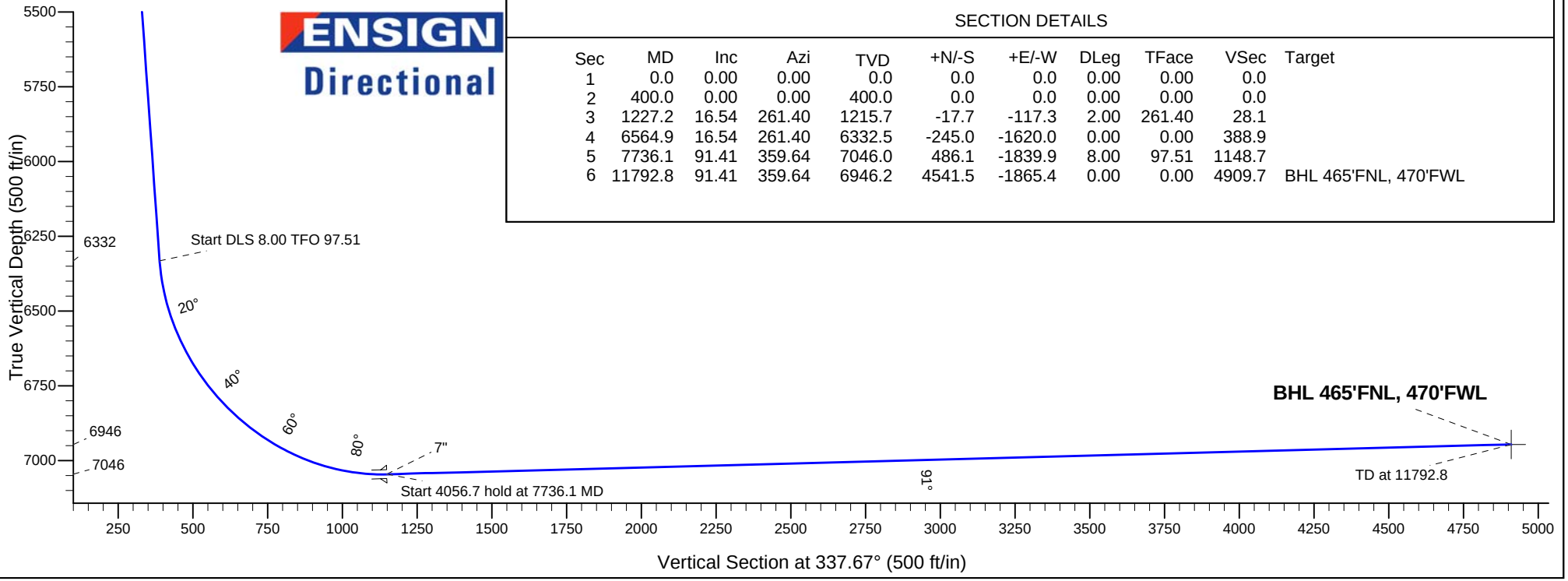
TVD	MD	Annotation
400.0	400.0	KOP - Start Build 2.00
6332.5	6564.9	Start DLS 8.00 TFO 97.51
7046.0	7736.1	Start 4056.7 hold at 7736.1 MD
6946.2	11792.8	TD at 11792.8



ENSIGN Directional

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	
3	1227.2	16.54	261.40	1215.7	-17.7	-117.3	2.00	261.40	28.1	
4	6564.9	16.54	261.40	6332.5	-245.0	-1620.0	0.00	0.00	388.9	
5	7736.1	91.41	359.64	7046.0	486.1	-1839.9	8.00	97.51	1148.7	
6	11792.8	91.41	359.64	6946.2	4541.5	-1865.4	0.00	0.00	4909.7	BHL 465'FNL, 470'FWL



Bayswater Exploration & Production, LLC

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

Wellbore #1

Plan: Plan #1 (10-01-14)

Standard Planning Report

03 October, 2014

BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	Landmark	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Project:	SEC.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	**North Reference:**	True
Well:	Matrix B-29HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-01-14)		

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 B-29HN

Well Position	**+N/-S**	-77.6 ft	**Northing:**	1,408,764.45 ft	**Latitude:**	40.452623
	+E/-W	124.1 ft	**Easting:**	3,225,855.38 ft	**Longitude:**	-104.688418
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,708.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/1/2014	8.38	66.99	52,820

Design Plan #1 (10-01-14)

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	337.67

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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,227.2	16.54	261.40	1,215.7	-17.7	-117.3	2.00	2.00	0.00	261.40	
6,564.9	16.54	261.40	6,332.5	-245.0	-1,620.0	0.00	0.00	0.00	0.00	
7,736.1	91.41	359.64	7,046.0	486.1	-1,839.9	8.00	6.39	8.39	97.51	
11,792.8	91.41	359.64	6,946.2	4,541.5	-1,865.4	0.00	0.00	0.00	0.00	BHL 465'FNL, 470'F

Database:	Landmark	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Project:	SEC.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	**North Reference:**	True
Well:	Matrix B-29HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-01-14)		

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 435'FSL & 2309'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
KOP - Start Build 2.00									
500.0	2.00	261.40	500.0	-0.3	-1.7	0.4	2.00	2.00	0.00
600.0	4.00	261.40	599.8	-1.0	-6.9	1.7	2.00	2.00	0.00
700.0	6.00	261.40	699.5	-2.3	-15.5	3.7	2.00	2.00	0.00
800.0	8.00	261.40	798.7	-4.2	-27.6	6.6	2.00	2.00	0.00
900.0	10.00	261.40	897.5	-6.5	-43.0	10.3	2.00	2.00	0.00
1,000.0	12.00	261.40	995.6	-9.4	-61.9	14.9	2.00	2.00	0.00
1,100.0	14.00	261.40	1,093.1	-12.7	-84.1	20.2	2.00	2.00	0.00
1,200.0	16.00	261.40	1,189.6	-16.6	-109.7	26.3	2.00	2.00	0.00
1,227.2	16.54	261.40	1,215.7	-17.7	-117.3	28.1	2.00	2.00	0.00
1,300.0	16.54	261.40	1,285.5	-20.8	-137.8	33.1	0.00	0.00	0.00
1,400.0	16.54	261.40	1,381.4	-25.1	-165.9	39.8	0.00	0.00	0.00
1,500.0	16.54	261.40	1,477.3	-29.4	-194.1	46.6	0.00	0.00	0.00
1,600.0	16.54	261.40	1,573.1	-33.6	-222.2	53.3	0.00	0.00	0.00
1,700.0	16.54	261.40	1,669.0	-37.9	-250.4	60.1	0.00	0.00	0.00
1,800.0	16.54	261.40	1,764.8	-42.1	-278.5	66.9	0.00	0.00	0.00
1,900.0	16.54	261.40	1,860.7	-46.4	-306.7	73.6	0.00	0.00	0.00
2,000.0	16.54	261.40	1,956.6	-50.6	-334.8	80.4	0.00	0.00	0.00
2,100.0	16.54	261.40	2,052.4	-54.9	-363.0	87.1	0.00	0.00	0.00
2,200.0	16.54	261.40	2,148.3	-59.2	-391.1	93.9	0.00	0.00	0.00
2,300.0	16.54	261.40	2,244.1	-63.4	-419.3	100.6	0.00	0.00	0.00
2,400.0	16.54	261.40	2,340.0	-67.7	-447.5	107.4	0.00	0.00	0.00
2,500.0	16.54	261.40	2,435.9	-71.9	-475.6	114.2	0.00	0.00	0.00
2,600.0	16.54	261.40	2,531.7	-76.2	-503.8	120.9	0.00	0.00	0.00
2,700.0	16.54	261.40	2,627.6	-80.4	-531.9	127.7	0.00	0.00	0.00
2,800.0	16.54	261.40	2,723.4	-84.7	-560.1	134.4	0.00	0.00	0.00
2,900.0	16.54	261.40	2,819.3	-89.0	-588.2	141.2	0.00	0.00	0.00
3,000.0	16.54	261.40	2,915.2	-93.2	-616.4	148.0	0.00	0.00	0.00
3,100.0	16.54	261.40	3,011.0	-97.5	-644.5	154.7	0.00	0.00	0.00
3,200.0	16.54	261.40	3,106.9	-101.7	-672.7	161.5	0.00	0.00	0.00
3,300.0	16.54	261.40	3,202.7	-106.0	-700.8	168.2	0.00	0.00	0.00
3,400.0	16.54	261.40	3,298.6	-110.3	-729.0	175.0	0.00	0.00	0.00
3,500.0	16.54	261.40	3,394.5	-114.5	-757.1	181.7	0.00	0.00	0.00
3,600.0	16.54	261.40	3,490.3	-118.8	-785.3	188.5	0.00	0.00	0.00
3,700.0	16.54	261.40	3,586.2	-123.0	-813.5	195.3	0.00	0.00	0.00
3,800.0	16.54	261.40	3,682.1	-127.3	-841.6	202.0	0.00	0.00	0.00
3,900.0	16.54	261.40	3,777.9	-131.5	-869.8	208.8	0.00	0.00	0.00
4,000.0	16.54	261.40	3,873.8	-135.8	-897.9	215.5	0.00	0.00	0.00
4,100.0	16.54	261.40	3,969.6	-140.1	-926.1	222.3	0.00	0.00	0.00
4,200.0	16.54	261.40	4,065.5	-144.3	-954.2	229.0	0.00	0.00	0.00
4,300.0	16.54	261.40	4,161.4	-148.6	-982.4	235.8	0.00	0.00	0.00
4,400.0	16.54	261.40	4,257.2	-152.8	-1,010.5	242.6	0.00	0.00	0.00
4,500.0	16.54	261.40	4,353.1	-157.1	-1,038.7	249.3	0.00	0.00	0.00
4,600.0	16.54	261.40	4,448.9	-161.4	-1,066.8	256.1	0.00	0.00	0.00
4,700.0	16.54	261.40	4,544.8	-165.6	-1,095.0	262.8	0.00	0.00	0.00
4,800.0	16.54	261.40	4,640.7	-169.9	-1,123.1	269.6	0.00	0.00	0.00
4,900.0	16.54	261.40	4,736.5	-174.1	-1,151.3	276.4	0.00	0.00	0.00

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Project:	SEC.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	**North Reference:**	True
Well:	Matrix B-29HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-01-14)		

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	16.54	261.40	4,832.4	-178.4	-1,179.5	283.1	0.00	0.00	0.00
5,100.0	16.54	261.40	4,928.2	-182.6	-1,207.6	289.9	0.00	0.00	0.00
5,200.0	16.54	261.40	5,024.1	-186.9	-1,235.8	296.6	0.00	0.00	0.00
5,300.0	16.54	261.40	5,120.0	-191.2	-1,263.9	303.4	0.00	0.00	0.00
5,400.0	16.54	261.40	5,215.8	-195.4	-1,292.1	310.1	0.00	0.00	0.00
5,500.0	16.54	261.40	5,311.7	-199.7	-1,320.2	316.9	0.00	0.00	0.00
5,600.0	16.54	261.40	5,407.5	-203.9	-1,348.4	323.7	0.00	0.00	0.00
5,700.0	16.54	261.40	5,503.4	-208.2	-1,376.5	330.4	0.00	0.00	0.00
5,800.0	16.54	261.40	5,599.3	-212.5	-1,404.7	337.2	0.00	0.00	0.00
5,900.0	16.54	261.40	5,695.1	-216.7	-1,432.8	343.9	0.00	0.00	0.00
6,000.0	16.54	261.40	5,791.0	-221.0	-1,461.0	350.7	0.00	0.00	0.00
6,100.0	16.54	261.40	5,886.8	-225.2	-1,489.1	357.4	0.00	0.00	0.00
6,200.0	16.54	261.40	5,982.7	-229.5	-1,517.3	364.2	0.00	0.00	0.00
6,300.0	16.54	261.40	6,078.6	-233.7	-1,545.4	371.0	0.00	0.00	0.00
6,400.0	16.54	261.40	6,174.4	-238.0	-1,573.6	377.7	0.00	0.00	0.00
6,500.0	16.54	261.40	6,270.3	-242.3	-1,601.8	384.5	0.00	0.00	0.00
6,564.9	16.54	261.40	6,332.5	-245.0	-1,620.0	388.9	0.00	0.00	0.00
Start DLS 8.00 TFO 97.51									
6,600.0	16.41	271.29	6,366.2	-245.7	-1,629.9	392.0	7.99	-0.39	28.19
6,700.0	18.45	297.36	6,461.7	-238.1	-1,658.2	409.8	8.00	2.05	26.07
6,800.0	23.16	315.76	6,555.3	-216.7	-1,686.0	440.2	8.00	4.70	18.40
6,900.0	29.27	327.55	6,645.0	-181.9	-1,712.9	482.5	8.00	6.11	11.79
7,000.0	36.07	335.39	6,729.2	-134.4	-1,738.3	536.1	8.00	6.80	7.85
7,100.0	43.23	340.99	6,806.1	-75.2	-1,761.7	599.8	8.00	7.17	5.59
7,200.0	50.61	345.24	6,874.4	-5.3	-1,782.8	672.4	8.00	7.37	4.26
7,300.0	58.11	348.67	6,932.7	73.8	-1,801.0	752.5	8.00	7.50	3.43
7,400.0	65.69	351.58	6,979.7	160.6	-1,816.0	838.6	8.00	7.58	2.91
7,500.0	73.31	354.16	7,014.7	253.5	-1,827.6	928.9	8.00	7.63	2.58
7,600.0	80.97	356.54	7,037.0	350.6	-1,835.4	1,021.7	8.00	7.66	2.38
7,700.0	88.64	358.83	7,046.0	450.0	-1,839.4	1,115.2	8.00	7.67	2.28
7,736.1	91.41	359.64	7,046.0	486.1	-1,839.9	1,148.7	7.99	7.67	2.26
Start 4056.7 hold at 7736.1 MD - 7"									
7,800.0	91.41	359.64	7,044.4	550.0	-1,840.3	1,208.0	0.00	0.00	0.00
7,900.0	91.41	359.64	7,042.0	650.0	-1,840.9	1,300.7	0.00	0.00	0.00
8,000.0	91.41	359.64	7,039.5	749.9	-1,841.6	1,393.4	0.00	0.00	0.00
8,100.0	91.41	359.64	7,037.0	849.9	-1,842.2	1,486.1	0.00	0.00	0.00
8,200.0	91.41	359.64	7,034.6	949.9	-1,842.8	1,578.8	0.00	0.00	0.00
8,300.0	91.41	359.64	7,032.1	1,049.8	-1,843.4	1,671.5	0.00	0.00	0.00
8,400.0	91.41	359.64	7,029.7	1,149.8	-1,844.1	1,764.2	0.00	0.00	0.00
8,500.0	91.41	359.64	7,027.2	1,249.8	-1,844.7	1,856.9	0.00	0.00	0.00
8,600.0	91.41	359.64	7,024.7	1,349.7	-1,845.3	1,949.6	0.00	0.00	0.00
8,700.0	91.41	359.64	7,022.3	1,449.7	-1,846.0	2,042.4	0.00	0.00	0.00
8,800.0	91.41	359.64	7,019.8	1,549.7	-1,846.6	2,135.1	0.00	0.00	0.00
8,900.0	91.41	359.64	7,017.4	1,649.7	-1,847.2	2,227.8	0.00	0.00	0.00
9,000.0	91.41	359.64	7,014.9	1,749.6	-1,847.8	2,320.5	0.00	0.00	0.00
9,100.0	91.41	359.64	7,012.4	1,849.6	-1,848.5	2,413.2	0.00	0.00	0.00
9,200.0	91.41	359.64	7,010.0	1,949.6	-1,849.1	2,505.9	0.00	0.00	0.00
9,300.0	91.41	359.64	7,007.5	2,049.5	-1,849.7	2,598.6	0.00	0.00	0.00
9,400.0	91.41	359.64	7,005.1	2,149.5	-1,850.4	2,691.3	0.00	0.00	0.00
9,500.0	91.41	359.64	7,002.6	2,249.5	-1,851.0	2,784.0	0.00	0.00	0.00
9,600.0	91.41	359.64	7,000.1	2,349.4	-1,851.6	2,876.7	0.00	0.00	0.00
9,700.0	91.41	359.64	6,997.7	2,449.4	-1,852.2	2,969.5	0.00	0.00	0.00
9,800.0	91.41	359.64	6,995.2	2,549.4	-1,852.9	3,062.2	0.00	0.00	0.00
9,900.0	91.41	359.64	6,992.8	2,649.3	-1,853.5	3,154.9	0.00	0.00	0.00

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Project:	SEC.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	**North Reference:**	True
Well:	Matrix B-29HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-01-14)		

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	91.41	359.64	6,990.3	2,749.3	-1,854.1	3,247.6	0.00	0.00	0.00
10,100.0	91.41	359.64	6,987.8	2,849.3	-1,854.7	3,340.3	0.00	0.00	0.00
10,200.0	91.41	359.64	6,985.4	2,949.2	-1,855.4	3,433.0	0.00	0.00	0.00
10,300.0	91.41	359.64	6,982.9	3,049.2	-1,856.0	3,525.7	0.00	0.00	0.00
10,400.0	91.41	359.64	6,980.4	3,149.2	-1,856.6	3,618.4	0.00	0.00	0.00
10,500.0	91.41	359.64	6,978.0	3,249.1	-1,857.3	3,711.1	0.00	0.00	0.00
10,600.0	91.41	359.64	6,975.5	3,349.1	-1,857.9	3,803.8	0.00	0.00	0.00
10,700.0	91.41	359.64	6,973.1	3,449.1	-1,858.5	3,896.6	0.00	0.00	0.00
10,800.0	91.41	359.64	6,970.6	3,549.0	-1,859.1	3,989.3	0.00	0.00	0.00
10,900.0	91.41	359.64	6,968.1	3,649.0	-1,859.8	4,082.0	0.00	0.00	0.00
11,000.0	91.41	359.64	6,965.7	3,749.0	-1,860.4	4,174.7	0.00	0.00	0.00
11,100.0	91.41	359.64	6,963.2	3,848.9	-1,861.0	4,267.4	0.00	0.00	0.00
11,200.0	91.41	359.64	6,960.8	3,948.9	-1,861.7	4,360.1	0.00	0.00	0.00
11,300.0	91.41	359.64	6,958.3	4,048.9	-1,862.3	4,452.8	0.00	0.00	0.00
11,400.0	91.41	359.64	6,955.8	4,148.8	-1,862.9	4,545.5	0.00	0.00	0.00
11,500.0	91.41	359.64	6,953.4	4,248.8	-1,863.5	4,638.2	0.00	0.00	0.00
11,600.0	91.41	359.64	6,950.9	4,348.8	-1,864.2	4,730.9	0.00	0.00	0.00
11,700.0	91.41	359.64	6,948.5	4,448.7	-1,864.8	4,823.7	0.00	0.00	0.00
11,792.6	91.41	359.64	6,946.2	4,541.3	-1,865.4	4,909.5	0.00	0.00	0.00
BHL 465'FNL, 470'FWL									
11,792.8	91.41	359.64	6,946.2	4,541.5	-1,865.4	4,909.7	0.00	0.00	0.00

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
SHL 435'FSL & 2309'I - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,408,764.46	3,225,855.38	40.452623	-104.688418
BHL 465'FNL, 470'FW - plan misses target center by 0.6ft at 11792.6ft MD (6946.2 TVD, 4541.3 N, -1865.4 E) - Point	0.00	0.00	6,946.0	4,541.3	-1,866.0	1,413,288.28	3,223,948.00	40.465088	-104.695124

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,736.1	7,046.0	7"	7	7-1/2

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
400.0	400.0	0.0	0.0	KOP - Start Build 2.00
6,564.9	6,332.5	-245.0	-1,620.0	Start DLS 8.00 TFO 97.51
7,736.1	7,046.0	486.1	-1,839.9	Start 4056.7 hold at 7736.1 MD
11,792.8	6,946.2	4,541.5	-1,865.4	TD at 11792.8

ENSIGN Directional

Bayswater Exploration & Production, LLC

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

Wellbore #1
Plan #1 (10-01-14)

Anticollision Report

08 October, 2014

BAYSWATER EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Reference Plan #1 (10-01-14)

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** 10/3/2014

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	11,792.7	Plan #1 (10-01-14) (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
Matrix 11-29 Pad Sec.29-T6N-R65W						
Matrix 11-29 - Wellbore #1 - Wellbore #1	11,540.9	7,010.1	234.5	132.4	2.297	CC, ES, SF
Matrix 12-29 - Wellbore #1 - Wellbore #1	10,313.7	7,294.7	208.3	111.8	2.159	CC, ES, SF
Matrix 13-29 PAD Sec.29-T6N-R65W						
Matrix 13-29 - Wellbore #1 - Wellbore #1	8,784.4	7,401.9	160.9	91.2	2.310	CC, ES, SF
Matrix 14-29 - Wellbore #1 - Wellbore #1	1,549.7	1,502.0	141.5	133.8	18.386	CC
Matrix 14-29 - Wellbore #1 - Wellbore #1	1,600.0	1,550.7	141.8	133.7	17.344	ES
Matrix 14-29 - Wellbore #1 - Wellbore #1	7,458.6	7,233.0	193.9	154.7	4.943	SF
Matrix 23-29 Pad Sec.29-T6N-R65W						
Matix 23-29 - Wellbore #1 - Wellbore #1	776.8	752.7	169.1	165.8	51.944	CC
Matix 23-29 - Wellbore #1 - Wellbore #1	800.0	774.1	169.2	165.8	50.134	ES
Matix 23-29 - Wellbore #1 - Wellbore #1	1,227.2	1,152.1	222.9	216.8	36.238	SF
Matrix 24-29 (Vert.) - Wellbore #1 - Plan #2 (7-22-11)	1,428.1	1,399.8	69.7	62.1	9.137	CC, ES
Matrix 24-29 (Vert.) - Wellbore #1 - Plan #2 (7-22-11)	1,500.0	1,468.8	72.6	64.6	8.993	SF
Matrix 24-29-17 - Wellbore #1 - Wellbore #1	1,193.4	1,167.1	90.4	85.4	18.100	CC
Matrix 24-29-17 - Wellbore #1 - Wellbore #1	1,200.0	1,173.2	90.4	85.3	17.926	ES
Matrix 24-29-17 - Wellbore #1 - Wellbore #1	1,300.0	1,265.9	97.0	91.2	16.685	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**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
Matrix 29- Pad Sec.29-T6N-R65W						
Matrix A-29HN - Wellbore #1 - Plan #1 (10-01-14)	200.0	200.0	14.9	14.2	22.118	CC, ES
Matrix A-29HN - Wellbore #1 - Plan #1 (10-01-14)	11,792.8	11,772.8	330.8	148.9	1.818	SF
Matrix C-29HN - Wellbore #1 - Plan #1 (10-08-14)	400.0	400.0	14.9	13.3	9.475	CC, ES
Matrix C-29HN - Wellbore #1 - Plan #1 (10-08-14)	11,792.8	11,724.0	339.5	159.7	1.888	SF
Matrix D-29HC - Wellbore #1 - Plan #1 (10-08-14)	400.0	400.0	29.8	28.2	18.954	CC, ES
Matrix D-29HC - Wellbore #1 - Plan #1 (10-08-14)	11,792.8	11,783.7	530.5	355.7	3.035	SF
Matrix E-29HN - Wellbore #1 - Plan #1 (10-08-14)	400.0	399.0	45.0	43.4	28.630	CC, ES
Matrix E-29HN - Wellbore #1 - Plan #1 (10-08-14)	11,792.8	11,676.3	666.3	486.0	3.696	SF
Matrix F-29HN - Wellbore #1 - Plan #1 (10-01-14)	400.0	400.0	59.9	58.3	38.068	CC, ES
Matrix F-29HN - Wellbore #1 - Plan #1 (10-01-14)	5,900.0	5,883.3	788.2	754.7	23.566	SF
Matrix G-29HN - Wellbore #1 - Plan #1 (10-01-14)	400.0	400.0	146.7	145.1	93.225	CC
Matrix G-29HN - Wellbore #1 - Plan #1 (10-01-14)	500.0	500.0	146.9	144.8	73.091	ES
Matrix G-29HN - Wellbore #1 - Plan #1 (10-01-14)	4,900.0	4,927.1	798.7	772.3	30.257	SF
Matrix H-29HN - Wellbore #1 - Plan #1 (10-08-14)	200.0	200.0	154.2	153.5	228.644	CC, ES
Matrix H-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,400.0	1,372.8	283.6	276.8	41.618	SF
Matrix I-29HC - Wellbore #1 - Plan #1 (10-08-14)	400.0	399.0	162.7	161.2	103.573	CC, ES
Matrix I-29HC - Wellbore #1 - Plan #1 (10-08-14)	1,300.0	1,284.5	239.9	233.8	39.502	SF
Matrix J-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,200.5	1,190.2	95.3	89.4	16.202	CC, ES
Matrix J-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,300.0	1,285.5	99.4	92.8	15.148	SF
Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,148.9	1,140.4	100.9	95.4	18.303	CC, ES
Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,300.0	1,285.5	109.3	102.8	16.827	SF

Offset Design Matrix 11-29 Pad Sec.29-T6N-R65W - Matrix 11-29 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 616- **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
10,800.0	6,970.6	7,033.1	6,977.0	78.3	16.4	93.92	4,290.8	-1,628.8	776.7	687.9	88.86	8.741	
10,900.0	6,968.1	7,030.0	6,973.9	80.0	16.4	93.17	4,290.9	-1,628.9	682.1	591.5	90.67	7.523	
11,000.0	6,965.7	7,026.9	6,970.8	81.7	16.4	92.42	4,290.9	-1,629.0	589.3	496.8	92.47	6.372	
11,100.0	6,963.2	7,023.8	6,967.7	83.5	16.4	91.67	4,290.9	-1,629.0	499.2	404.9	94.27	5.295	
11,200.0	6,960.8	7,020.7	6,964.6	85.2	16.4	90.91	4,290.9	-1,629.1	413.6	317.5	96.05	4.306	
11,300.0	6,958.3	7,017.6	6,961.5	87.0	16.4	90.15	4,290.9	-1,629.2	336.1	238.2	97.83	3.435	
11,400.0	6,955.8	7,014.5	6,958.4	88.7	16.4	89.40	4,291.0	-1,629.3	273.5	173.9	99.60	2.746	
11,500.0	6,953.4	7,011.4	6,955.3	90.5	16.4	88.63	4,291.0	-1,629.4	238.0	136.6	101.35	2.348	
11,540.9	6,952.4	7,010.1	6,954.0	91.2	16.4	88.32	4,291.0	-1,629.5	234.5	132.4	102.07	2.297	CC, ES, SF
11,600.0	6,950.9	7,008.3	6,952.2	92.2	16.4	87.87	4,291.0	-1,629.5	241.8	138.7	103.09	2.345	
11,700.0	6,948.5	7,005.1	6,949.1	94.0	16.4	87.11	4,291.0	-1,629.6	283.3	178.5	104.82	2.703	
11,792.8	6,946.2	7,002.2	6,946.2	95.7	16.4	86.40	4,291.0	-1,629.7	344.0	237.6	106.41	3.233	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 11-29 Pad Sec.29-T6N-R65W - Matrix 12-29 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 615- **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	7,000.1	7,333.9	7,030.9	59.0	33.3	100.81	3,063.1	-1,648.0	742.5	658.7	83.76	8.864	
9,700.0	6,997.7	7,328.7	7,025.7	60.5	33.3	99.44	3,063.2	-1,647.9	647.2	561.6	85.63	7.559	
9,800.0	6,995.2	7,323.5	7,020.5	62.0	33.3	98.04	3,063.4	-1,647.9	553.6	466.2	87.48	6.329	
9,900.0	6,992.8	7,318.0	7,015.0	63.6	33.2	96.55	3,063.6	-1,647.9	462.7	373.3	89.31	5.180	
10,000.0	6,990.3	7,312.2	7,009.2	65.1	33.2	94.97	3,063.7	-1,647.8	376.2	285.1	91.11	4.129	
10,100.0	6,987.8	7,306.5	7,003.5	66.7	33.2	93.41	3,063.9	-1,647.8	298.2	205.4	92.87	3.211	
10,200.0	6,985.4	7,300.9	6,997.9	68.3	33.2	91.88	3,064.1	-1,647.8	237.3	142.7	94.58	2.508	
10,300.0	6,982.9	7,295.4	6,992.4	70.0	33.2	90.38	3,064.2	-1,647.8	208.8	112.5	96.25	2.169	
10,313.7	6,982.6	7,294.7	6,991.7	70.2	33.2	90.18	3,064.2	-1,647.8	208.3	111.8	96.48	2.159	CC, ES, SF
10,400.0	6,980.4	7,290.1	6,987.1	71.6	33.2	88.91	3,064.4	-1,647.8	225.4	127.5	97.88	2.303	
10,500.0	6,978.0	7,284.9	6,981.9	73.3	33.2	87.48	3,064.5	-1,647.8	279.3	179.8	99.47	2.808	
10,600.0	6,975.5	7,279.8	6,976.8	74.9	33.2	86.08	3,064.7	-1,647.8	353.7	252.7	101.01	3.502	
10,700.0	6,973.1	7,274.8	6,971.8	76.6	33.2	84.71	3,064.8	-1,647.7	438.4	335.9	102.51	4.276	
10,800.0	6,970.6	7,269.9	6,966.9	78.3	33.2	83.38	3,064.9	-1,647.7	528.4	424.4	103.98	5.082	
10,900.0	6,968.1	7,265.1	6,962.1	80.0	33.2	82.09	3,065.0	-1,647.7	621.4	516.0	105.40	5.896	
11,000.0	6,965.7	7,260.4	6,957.4	81.7	33.2	80.82	3,065.2	-1,647.7	716.3	609.5	106.79	6.708	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 13-29 PAD Sec.29-T6N-R65W - Matrix 13-29 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 117- **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	-73.45	75.4	-253.8	264.9				
100.0	100.0	89.8	89.8	0.1	0.1	-73.47	75.4	-254.1	265.1	264.9	0.21	1,240.894	
200.0	200.0	188.9	188.9	0.3	0.3	-73.41	75.9	-254.8	265.9	265.3	0.62	427.634	
300.0	300.0	287.6	287.6	0.6	0.5	-72.68	79.5	-255.0	267.1	266.1	1.07	249.646	
400.0	400.0	383.0	382.6	0.8	0.7	-71.07	87.5	-255.2	270.0	268.4	1.53	176.258	
500.0	500.0	475.0	473.9	1.0	1.0	29.79	98.9	-256.8	274.2	272.3	1.99	138.113	
600.0	599.8	563.8	561.5	1.2	1.3	32.61	112.5	-259.9	278.9	276.5	2.46	113.429	
700.0	699.5	658.4	654.7	1.4	1.6	35.93	128.1	-264.6	283.5	280.6	2.96	95.865	
800.0	798.7	753.5	748.2	1.7	2.0	39.56	144.2	-270.3	287.5	284.0	3.47	82.809	
900.0	897.5	842.9	835.9	2.0	2.4	43.39	160.9	-276.6	292.2	288.2	4.00	73.088	
1,000.0	995.6	928.0	918.8	2.4	2.7	47.34	178.5	-284.3	299.1	294.5	4.55	65.718	
1,100.0	1,093.1	1,022.0	1,009.7	2.8	3.2	51.87	199.8	-295.1	308.7	303.5	5.18	59.606	
1,200.0	1,189.6	1,104.6	1,089.0	3.3	3.7	55.80	219.6	-306.8	321.1	315.3	5.83	55.062	
1,227.2	1,215.7	1,128.0	1,111.4	3.5	3.8	56.89	225.4	-310.5	325.0	319.0	6.03	53.936	
1,300.0	1,285.5	1,190.0	1,170.4	3.9	4.1	59.73	240.8	-321.5	337.1	330.5	6.57	51.333	
1,400.0	1,381.4	1,278.9	1,254.4	4.4	4.7	63.12	263.2	-340.3	357.2	349.8	7.34	48.639	
1,500.0	1,477.3	1,368.2	1,338.1	5.0	5.3	65.81	285.5	-361.8	379.9	371.8	8.16	46.548	
1,600.0	1,573.1	1,455.5	1,419.4	5.6	5.9	68.09	308.4	-384.1	405.3	396.3	9.02	44.946	
1,700.0	1,669.0	1,547.6	1,504.6	6.2	6.5	70.22	333.9	-408.2	432.9	423.0	9.92	43.626	
1,800.0	1,764.8	1,643.7	1,593.3	6.8	7.2	72.04	359.9	-434.2	460.9	450.0	10.88	42.377	
1,900.0	1,860.7	1,737.9	1,680.3	7.4	7.9	73.58	385.2	-460.1	489.2	477.4	11.85	41.280	
2,000.0	1,956.6	1,829.0	1,764.2	8.0	8.6	74.90	409.9	-485.3	518.2	505.4	12.84	40.347	
2,100.0	2,052.4	1,923.5	1,850.9	8.6	9.3	76.04	436.0	-512.4	548.2	534.4	13.87	39.526	
2,200.0	2,148.3	2,020.7	1,940.4	9.2	10.0	77.12	462.5	-539.9	577.9	563.0	14.91	38.760	
2,300.0	2,244.1	2,115.8	2,027.9	9.8	10.7	78.11	488.4	-566.4	607.7	591.7	15.96	38.076	
2,400.0	2,340.0	2,209.5	2,114.2	10.4	11.4	79.00	514.0	-592.6	637.6	620.6	17.03	37.451	
2,500.0	2,435.9	2,299.2	2,196.7	11.0	12.1	79.81	538.9	-617.3	668.1	650.0	18.09	36.933	
2,600.0	2,531.7	2,399.6	2,288.8	11.6	12.8	80.56	567.1	-645.9	699.3	680.1	19.22	36.392	
2,700.0	2,627.6	2,499.3	2,380.6	12.2	13.6	81.23	593.6	-674.1	729.0	708.6	20.34	35.842	
2,800.0	2,723.4	2,589.2	2,463.4	12.8	14.3	81.80	617.8	-699.6	759.1	737.7	21.43	35.427	
2,900.0	2,819.3	2,684.9	2,551.2	13.4	15.0	82.33	643.9	-727.0	789.8	767.3	22.55	35.024	
8,100.0	7,037.0	7,421.3	7,034.2	41.8	41.4	97.99	1,535.1	-1,686.0	702.8	642.4	60.37	11.641	
8,200.0	7,034.6	7,418.4	7,031.3	42.5	41.4	96.97	1,535.1	-1,686.0	605.9	544.3	61.61	9.835	
8,300.0	7,032.1	7,415.6	7,028.5	43.3	41.4	95.95	1,535.1	-1,685.9	510.2	447.3	62.90	8.112	
8,400.0	7,029.7	7,412.7	7,025.6	44.1	41.4	94.94	1,535.2	-1,685.9	416.6	352.3	64.23	6.486	
8,500.0	7,027.2	7,409.9	7,022.8	45.1	41.4	93.94	1,535.2	-1,685.8	326.7	261.1	65.60	4.980	
8,600.0	7,024.7	7,407.1	7,020.0	46.1	41.4	92.94	1,535.2	-1,685.8	244.7	177.7	67.00	3.652	
8,700.0	7,022.3	7,404.3	7,017.2	47.1	41.4	91.95	1,535.2	-1,685.7	181.6	113.2	68.42	2.655	
8,784.4	7,020.2	7,401.9	7,014.8	48.1	41.4	91.12	1,535.2	-1,685.7	160.9	91.2	69.64	2.310	CC, ES, SF
8,800.0	7,019.8	7,401.5	7,014.4	48.2	41.4	90.96	1,535.2	-1,685.7	161.6	91.7	69.87	2.313	
8,900.0	7,017.4	7,398.8	7,011.7	49.4	41.4	89.98	1,535.2	-1,685.6	198.0	126.7	71.33	2.777	
9,000.0	7,014.9	7,396.0	7,008.9	50.7	41.4	89.01	1,535.2	-1,685.6	268.9	196.1	72.80	3.694	
9,100.0	7,012.4	7,393.3	7,006.2	52.0	41.4	88.05	1,535.2	-1,685.5	354.1	279.8	74.27	4.768	
9,200.0	7,010.0	7,390.6	7,003.5	53.3	41.4	87.09	1,535.2	-1,685.4	445.5	369.7	75.75	5.881	
9,300.0	7,007.5	7,388.0	7,000.9	54.7	41.4	86.15	1,535.2	-1,685.4	539.9	462.7	77.24	6.990	
9,400.0	7,005.1	7,385.3	6,998.2	56.1	41.4	85.21	1,535.2	-1,685.3	636.0	557.3	78.72	8.080	
9,500.0	7,002.6	7,382.7	6,995.6	57.5	41.4	84.29	1,535.3	-1,685.3	733.2	653.0	80.20	9.142	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 13-29 PAD Sec.29-T6N-R65W - Matrix 14-29 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 643- **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	-71.96	75.4	-231.5	243.7				
100.0	100.0	91.3	91.3	0.1	0.1	-71.97	75.4	-231.6	243.6	243.3	0.22	1,131.705	
200.0	200.0	191.0	191.0	0.3	0.2	-71.98	75.4	-231.7	243.7	243.2	0.55	441.379	
300.0	300.0	290.8	290.8	0.6	0.3	-72.00	75.4	-232.0	244.0	243.1	0.89	274.392	
400.0	400.0	390.5	390.5	0.8	0.4	-72.02	75.4	-232.4	244.3	243.1	1.23	199.272	
500.0	500.0	490.2	490.2	1.0	0.6	26.74	75.4	-232.9	243.2	241.7	1.55	156.819	
600.0	599.8	589.9	589.9	1.2	0.7	27.30	75.4	-233.4	239.1	237.2	1.88	127.384	
700.0	699.5	690.1	690.0	1.4	0.8	28.31	75.4	-234.1	232.0	229.7	2.26	102.675	
800.0	798.7	789.2	789.2	1.7	1.0	29.84	75.3	-234.4	221.6	218.9	2.70	82.146	
900.0	897.5	887.6	887.6	2.0	1.2	31.92	74.9	-235.2	208.8	205.6	3.16	66.075	
1,000.0	995.6	985.1	985.1	2.4	1.4	34.92	74.8	-236.1	193.5	189.8	3.65	53.011	
1,100.0	1,093.1	1,077.5	1,077.5	2.8	1.6	39.30	76.5	-237.4	177.5	173.3	4.18	42.457	
1,200.0	1,189.6	1,169.5	1,169.3	3.3	1.8	44.70	78.9	-242.2	163.7	158.9	4.80	34.137	
1,227.2	1,215.7	1,194.9	1,194.6	3.5	1.9	46.38	79.6	-244.0	160.4	155.4	4.98	32.169	
1,300.0	1,285.5	1,263.6	1,263.1	3.9	2.0	50.86	81.4	-250.3	152.7	147.1	5.53	27.581	
1,400.0	1,381.4	1,358.9	1,357.5	4.4	2.3	56.44	82.7	-262.3	145.4	139.0	6.35	22.883	
1,500.0	1,477.3	1,454.3	1,451.7	5.0	2.6	61.47	84.1	-277.6	141.9	134.6	7.24	19.604	
1,549.7	1,524.9	1,502.0	1,498.5	5.3	2.8	63.63	84.9	-286.6	141.5	133.8	7.70	18.386 CC	
1,600.0	1,573.1	1,550.7	1,546.1	5.6	2.9	65.57	85.7	-296.6	141.8	133.7	8.18	17.344 ES	
1,700.0	1,669.0	1,647.4	1,640.2	6.2	3.3	68.57	87.6	-318.9	144.4	135.2	9.16	15.758	
1,800.0	1,764.8	1,743.6	1,732.9	6.8	3.8	70.27	89.9	-344.6	149.4	139.2	10.18	14.674	
1,900.0	1,860.7	1,839.9	1,824.6	7.4	4.3	70.76	92.8	-373.8	157.0	145.7	11.23	13.973	
2,000.0	1,956.6	1,937.5	1,916.5	8.0	4.9	70.35	96.2	-406.3	166.3	154.0	12.31	13.506	
2,100.0	2,052.4	2,034.9	2,007.7	8.6	5.6	69.46	99.7	-440.5	176.7	163.3	13.40	13.185	
2,200.0	2,148.3	2,129.5	2,095.7	9.2	6.2	68.51	104.2	-474.9	188.8	174.3	14.46	13.052	
2,300.0	2,244.1	2,230.5	2,189.1	9.8	6.9	67.43	110.0	-512.9	202.5	187.0	15.53	13.038	
2,400.0	2,340.0	2,332.8	2,284.3	10.4	7.6	66.54	114.4	-550.3	214.3	197.8	16.56	12.940	
2,500.0	2,435.9	2,433.1	2,378.2	11.0	8.2	66.18	118.8	-585.1	225.3	207.7	17.61	12.799	
2,600.0	2,531.7	2,531.1	2,470.3	11.6	8.8	66.12	123.7	-618.4	236.4	217.7	18.70	12.646	
2,700.0	2,627.6	2,631.9	2,564.5	12.2	9.5	65.70	127.9	-653.9	247.5	227.7	19.82	12.492	
2,800.0	2,723.4	2,729.0	2,654.9	12.8	10.3	65.01	131.3	-689.2	258.8	237.9	20.90	12.381	
2,900.0	2,819.3	2,823.0	2,741.7	13.4	11.0	64.18	135.3	-725.0	271.6	249.6	21.96	12.367	
3,000.0	2,915.2	2,922.8	2,833.4	14.1	11.8	63.21	139.7	-764.1	285.4	262.4	23.03	12.393	
3,100.0	3,011.0	3,027.4	2,930.3	14.7	12.6	62.48	143.5	-803.3	297.5	273.4	24.09	12.351	
3,200.0	3,106.9	3,121.6	3,017.8	15.3	13.3	62.17	148.3	-837.7	310.2	285.1	25.12	12.350	
3,300.0	3,202.7	3,222.2	3,111.3	15.9	14.0	61.94	154.1	-874.5	323.5	297.3	26.21	12.344	
3,400.0	3,298.6	3,325.9	3,208.3	16.5	14.7	61.94	159.8	-910.7	335.6	308.3	27.33	12.281	
3,500.0	3,394.5	3,428.0	3,303.9	17.1	15.4	61.89	164.5	-946.1	346.8	318.4	28.43	12.199	
3,600.0	3,490.3	3,526.5	3,396.3	17.7	16.1	61.78	168.3	-980.2	357.4	327.9	29.51	12.111	
3,700.0	3,586.2	3,625.3	3,488.5	18.3	16.8	61.59	172.4	-1,015.3	368.8	338.2	30.60	12.052	
3,800.0	3,682.1	3,723.5	3,580.1	18.9	17.5	61.33	176.0	-1,050.5	379.9	348.2	31.67	11.995	
3,900.0	3,777.9	3,816.5	3,666.6	19.6	18.3	61.01	179.8	-1,084.7	392.1	359.4	32.71	11.986	
4,000.0	3,873.8	3,912.2	3,754.9	20.2	19.0	60.65	184.7	-1,121.1	405.8	372.1	33.76	12.020	
4,100.0	3,969.6	4,009.8	3,844.9	20.8	19.8	60.27	189.8	-1,158.5	419.9	385.1	34.82	12.058	
4,200.0	4,065.5	4,111.2	3,938.4	21.4	20.6	59.87	195.0	-1,197.6	434.1	398.2	35.88	12.097	
4,300.0	4,161.4	4,217.6	4,036.8	22.0	21.4	59.51	199.6	-1,237.7	447.1	410.1	36.94	12.103	
4,400.0	4,257.2	4,321.6	4,133.7	22.6	22.1	59.32	203.6	-1,275.2	458.6	420.6	38.00	12.070	
4,500.0	4,353.1	4,419.3	4,224.7	23.2	22.9	59.11	206.9	-1,310.6	469.9	430.8	39.04	12.035	
4,600.0	4,448.9	4,517.0	4,315.6	23.8	23.6	58.90	210.5	-1,346.2	481.5	441.4	40.09	12.011	
4,700.0	4,544.8	4,614.1	4,405.9	24.5	24.3	58.69	214.3	-1,381.8	493.6	452.4	41.13	12.001	
4,800.0	4,640.7	4,723.2	4,507.5	25.1	25.1	58.52	218.3	-1,421.2	505.0	462.8	42.22	11.962	
4,900.0	4,736.5	4,839.5	4,617.6	25.7	25.8	58.69	221.9	-1,458.8	513.4	470.0	43.40	11.830	

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 B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 13-29 PAD Sec.29-T6N-R65W - Matrix 14-29 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 643- **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
5,000.0	4,832.4	4,946.7	4,720.0	26.3	26.4	59.14	225.1	-1,490.1	519.7	475.1	44.60	11.651	
5,100.0	4,928.2	5,061.8	4,830.8	26.9	27.0	59.79	228.0	-1,521.2	524.2	478.4	45.89	11.424	
5,200.0	5,024.1	5,172.3	4,938.2	27.5	27.6	60.72	229.9	-1,546.9	525.9	478.6	47.22	11.135	
5,300.0	5,120.0	5,287.2	5,050.8	28.1	28.0	62.04	231.8	-1,569.5	525.4	476.7	48.67	10.794	
5,400.0	5,215.8	5,400.9	5,163.2	28.8	28.4	63.80	233.3	-1,586.6	522.0	471.8	50.21	10.397	
5,500.0	5,311.7	5,507.4	5,268.9	29.4	28.6	65.72	234.3	-1,599.7	517.3	465.5	51.73	9.999	
5,600.0	5,407.5	5,612.1	5,373.2	30.0	28.9	67.97	235.4	-1,609.2	511.6	458.3	53.31	9.596	
5,700.0	5,503.4	5,715.4	5,476.3	30.6	29.1	70.45	236.5	-1,616.4	505.6	450.7	54.89	9.212	
5,800.0	5,599.3	5,814.4	5,575.1	31.2	29.2	73.06	237.6	-1,621.4	499.8	443.4	56.43	8.857	
5,900.0	5,695.1	5,916.8	5,677.4	31.8	29.3	75.97	238.8	-1,625.3	494.6	436.6	57.97	8.532	
6,000.0	5,791.0	6,022.5	5,783.1	32.4	29.5	79.21	239.1	-1,627.2	489.1	429.7	59.47	8.225	
6,100.0	5,886.8	6,120.8	5,881.4	33.0	29.5	82.36	238.4	-1,628.0	483.9	423.1	60.82	7.957	
6,200.0	5,982.7	6,216.0	5,976.6	33.7	29.6	85.53	237.7	-1,628.1	480.2	418.1	62.04	7.740	
6,300.0	6,078.6	6,311.0	6,071.6	34.3	29.7	88.76	237.3	-1,628.1	478.2	415.1	63.13	7.576	
6,350.6	6,127.0	6,358.9	6,119.5	34.6	29.7	90.39	237.2	-1,628.0	478.0	414.4	63.62	7.513	
6,400.0	6,174.4	6,406.2	6,166.8	34.9	29.8	91.99	237.1	-1,628.2	478.2	414.2	64.07	7.464	
6,500.0	6,270.3	6,503.7	6,264.3	35.5	29.9	95.28	236.7	-1,628.4	479.7	414.9	64.88	7.395	
6,564.9	6,332.5	6,566.5	6,327.1	35.9	29.9	97.39	236.4	-1,628.5	481.5	416.2	65.31	7.372	
6,600.0	6,366.2	6,600.3	6,360.8	36.1	30.0	89.03	236.1	-1,628.5	481.8	416.3	65.53	7.352	
6,650.0	6,414.1	6,646.9	6,407.5	36.3	30.0	77.40	235.9	-1,628.5	479.7	414.2	65.54	7.320	
6,700.0	6,461.7	6,693.4	6,454.0	36.6	30.0	67.34	235.8	-1,628.5	474.7	409.5	65.20	7.282	
6,750.0	6,508.9	6,740.6	6,501.1	36.8	30.1	59.50	235.7	-1,628.5	466.8	402.3	64.52	7.235	
6,800.0	6,555.3	6,787.0	6,547.5	37.0	30.1	53.82	235.6	-1,628.7	455.9	392.4	63.50	7.179	
6,850.0	6,600.7	6,832.0	6,592.5	37.3	30.2	49.98	235.6	-1,628.8	442.2	380.0	62.15	7.115	
6,900.0	6,645.0	6,875.9	6,636.5	37.5	30.2	47.70	235.6	-1,629.1	425.8	365.4	60.47	7.042	
6,950.0	6,687.9	6,918.3	6,678.8	37.7	30.3	46.74	235.7	-1,629.4	407.0	348.5	58.46	6.961	
7,000.0	6,729.2	6,959.0	6,719.6	37.8	30.3	46.98	235.8	-1,629.5	385.9	329.8	56.15	6.873	
7,050.0	6,768.7	6,998.3	6,758.9	38.0	30.3	48.36	236.0	-1,629.7	362.9	309.3	53.54	6.777	
7,100.0	6,806.1	7,035.8	6,796.4	38.2	30.4	50.86	236.2	-1,629.8	338.2	287.5	50.72	6.668	
7,150.0	6,841.4	7,071.3	6,831.9	38.4	30.4	54.49	236.5	-1,630.0	312.4	264.6	47.78	6.537	
7,200.0	6,874.4	7,104.4	6,865.0	38.5	30.4	59.23	236.7	-1,630.2	286.1	241.1	44.94	6.366	
7,250.0	6,904.9	7,135.1	6,895.6	38.7	30.5	64.94	236.9	-1,630.3	260.2	217.8	42.45	6.130	
7,300.0	6,932.7	7,163.1	6,923.7	38.8	30.5	71.34	237.1	-1,630.5	236.1	195.5	40.60	5.815	
7,350.0	6,957.6	7,188.4	6,949.0	39.0	30.5	77.94	237.3	-1,630.6	215.5	175.9	39.53	5.451	
7,400.0	6,979.7	7,210.7	6,971.3	39.1	30.6	84.12	237.4	-1,630.6	200.6	161.5	39.14	5.126	
7,450.0	6,998.8	7,230.0	6,990.6	39.2	30.6	89.33	237.5	-1,630.7	194.0	154.9	39.19	4.951	
7,458.6	7,001.8	7,233.0	6,993.6	39.3	30.6	90.10	237.6	-1,630.7	193.9	154.7	39.23	4.943	SF
7,500.0	7,014.7	7,246.1	7,006.7	39.4	30.6	93.16	237.6	-1,630.7	197.5	158.0	39.44	5.007	
7,550.0	7,027.5	7,259.1	7,019.6	39.5	30.6	95.39	237.7	-1,630.7	211.1	171.4	39.75	5.312	
7,600.0	7,037.0	7,268.8	7,029.4	39.7	30.6	95.94	237.7	-1,630.8	233.7	193.7	40.03	5.838	
7,650.0	7,043.2	7,275.3	7,035.9	39.8	30.6	94.75	237.8	-1,630.8	263.2	223.0	40.19	6.549	
7,700.0	7,046.0	7,278.4	7,038.9	40.0	30.6	91.84	237.8	-1,630.8	297.6	257.6	40.06	7.429	
7,736.1	7,046.0	7,278.5	7,039.1	40.1	30.6	88.74	237.8	-1,630.8	324.6	285.0	39.67	8.184	
7,800.0	7,044.4	7,277.2	7,037.8	40.3	30.6	88.39	237.8	-1,630.8	376.0	335.8	40.21	9.352	
7,900.0	7,042.0	7,275.2	7,035.8	40.7	30.6	87.84	237.8	-1,630.8	462.7	421.6	41.11	11.255	
8,000.0	7,039.5	7,273.2	7,033.8	41.3	30.6	87.29	237.8	-1,630.8	553.9	511.8	42.11	13.152	
8,100.0	7,037.0	7,271.3	7,031.8	41.8	30.6	86.74	237.8	-1,630.8	647.6	604.4	43.20	14.991	
8,200.0	7,034.6	7,269.3	7,029.8	42.5	30.6	86.20	237.7	-1,630.8	743.0	698.7	44.37	16.747	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 23-29 Pad Sec.29-T6N-R65W - Matix 23-29 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 93- **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	-71.71	53.6	-162.0	170.8				
100.0	100.0	92.3	92.3	0.1	0.1	-71.66	53.6	-161.7	170.4	170.2	0.22	787.937	
200.0	200.0	191.8	191.8	0.3	0.3	-71.57	53.8	-161.4	170.1	169.4	0.65	263.168	
240.0	240.0	231.5	231.5	0.4	0.4	-71.48	54.0	-161.2	170.0	169.2	0.82	207.220	
300.0	300.0	290.7	290.7	0.6	0.5	-71.23	54.7	-161.1	170.2	169.1	1.08	157.033	
400.0	400.0	388.4	388.3	0.8	0.7	-70.30	57.8	-161.4	171.5	169.9	1.53	112.181	
500.0	500.0	487.5	487.3	1.0	1.0	30.39	63.6	-161.3	171.9	170.0	1.97	87.368	
600.0	599.8	584.5	583.9	1.2	1.2	33.78	71.7	-161.3	170.8	168.4	2.41	70.869	
700.0	699.5	679.8	678.7	1.4	1.5	38.27	81.7	-162.3	169.6	166.7	2.87	59.000	
776.8	775.7	752.7	750.9	1.7	1.7	42.84	91.6	-163.2	169.1	165.8	3.26	51.944	CC
800.0	798.7	774.1	772.1	1.7	1.8	44.39	95.0	-163.5	169.2	165.8	3.37	50.134	ES
900.0	897.5	864.9	861.3	2.0	2.1	51.84	111.7	-165.0	172.1	168.2	3.92	43.901	
1,000.0	995.6	954.7	948.8	2.4	2.4	59.96	131.7	-167.8	180.5	176.0	4.53	39.876	
1,100.0	1,093.1	1,043.7	1,034.7	2.8	2.9	68.59	154.7	-169.8	194.6	189.4	5.20	37.413	
1,200.0	1,189.6	1,128.9	1,116.0	3.3	3.3	76.80	180.0	-170.8	215.9	209.9	5.94	36.352	
1,227.2	1,215.7	1,152.1	1,138.1	3.5	3.4	78.93	187.3	-171.0	222.9	216.8	6.15	36.238	SF
1,300.0	1,285.5	1,214.2	1,196.9	3.9	3.8	84.44	207.3	-171.9	244.3	237.5	6.73	36.302	
1,400.0	1,381.4	1,302.0	1,279.5	4.4	4.3	90.78	236.8	-173.7	278.1	270.6	7.52	36.960	
1,500.0	1,477.3	1,381.3	1,353.7	5.0	4.9	95.29	264.8	-175.8	316.4	308.1	8.31	38.072	
1,600.0	1,573.1	1,469.0	1,435.2	5.6	5.4	99.19	297.2	-178.7	357.9	348.7	9.12	39.248	
1,700.0	1,669.0	1,564.7	1,524.3	6.2	6.0	102.46	331.8	-182.5	399.8	389.8	9.94	40.232	
1,800.0	1,764.8	1,661.0	1,614.6	6.8	6.6	105.09	365.0	-186.9	440.7	430.0	10.76	40.968	
1,900.0	1,860.7	1,755.5	1,703.6	7.4	7.1	107.20	396.5	-191.6	481.1	469.5	11.59	41.499	
2,000.0	1,956.6	1,855.1	1,797.8	8.0	7.7	109.11	428.5	-196.5	520.9	508.4	12.45	41.825	
2,100.0	2,052.4	1,951.3	1,889.3	8.6	8.2	110.83	457.8	-200.4	559.6	546.3	13.30	42.077	
2,200.0	2,148.3	2,042.8	1,976.5	9.2	8.7	112.31	485.1	-203.6	598.3	584.2	14.14	42.318	
2,300.0	2,244.1	2,143.4	2,072.8	9.8	9.3	113.83	514.2	-206.5	636.7	621.7	15.00	42.444	
2,400.0	2,340.0	2,219.9	2,146.0	10.4	9.7	114.88	536.4	-208.3	675.6	659.8	15.80	42.764	
2,500.0	2,435.9	2,305.2	2,227.2	11.0	10.2	115.95	562.5	-209.8	716.4	699.7	16.63	43.070	
2,600.0	2,531.7	2,403.0	2,320.2	11.6	10.7	116.98	592.5	-212.2	757.2	739.7	17.51	43.249	
2,700.0	2,627.6	2,490.5	2,403.7	12.2	11.2	117.82	618.8	-214.5	797.5	779.2	18.34	43.478	

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 B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 23-29 Pad Sec.29-T6N-R65W - Matrix 24-29 (Vert.) - Wellbore #1 - Plan #2 (7-22-11)

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
0.0	0.0	0.0	0.0	0.0	0.0	-76.98	42.6	-184.2	189.3				
100.0	100.0	91.5	91.5	0.1	0.1	-76.98	42.6	-184.2	189.1	188.9	0.22	878.596	
200.0	200.0	191.5	191.5	0.3	0.3	-76.98	42.6	-184.2	189.1	188.4	0.66	288.618	
300.0	300.0	291.5	291.5	0.6	0.5	-76.98	42.6	-184.2	189.1	188.0	1.10	171.174	
400.0	400.0	391.5	391.5	0.8	0.8	-76.98	42.6	-184.2	189.1	187.5	1.55	121.666	
500.0	500.0	491.5	491.5	1.0	1.0	21.83	42.6	-184.2	187.5	185.5	1.99	94.123	
600.0	599.8	591.3	591.3	1.2	1.2	22.48	42.6	-184.2	182.6	180.2	2.43	75.294	
700.0	699.5	691.0	691.0	1.4	1.4	23.64	42.6	-184.2	174.6	171.7	2.87	60.862	
800.0	798.7	790.2	790.2	1.7	1.7	25.44	42.6	-184.2	163.5	160.2	3.32	49.201	
900.0	897.5	889.0	889.0	2.0	1.9	28.14	42.6	-184.2	149.5	145.7	3.79	39.398	
1,000.0	995.6	987.1	987.1	2.4	2.1	32.18	42.6	-184.2	132.9	128.6	4.30	30.924	
1,100.0	1,093.1	1,084.6	1,084.6	2.8	2.3	38.37	42.6	-184.2	114.4	109.5	4.87	23.505	
1,200.0	1,189.6	1,181.1	1,181.1	3.3	2.5	48.20	42.6	-184.2	95.2	89.6	5.56	17.112	
1,227.2	1,215.7	1,207.2	1,207.2	3.5	2.6	51.80	42.6	-184.2	90.2	84.4	5.78	15.586	
1,300.0	1,285.5	1,277.0	1,277.0	3.9	2.8	63.36	42.6	-184.2	78.6	72.2	6.45	12.194	
1,400.0	1,381.4	1,372.9	1,372.9	4.4	3.0	83.73	42.6	-184.2	70.1	62.7	7.40	9.484	
1,428.1	1,408.3	1,399.8	1,399.8	4.6	3.0	90.00	42.6	-184.2	69.7	62.1	7.63	9.137	CC, ES
1,500.0	1,477.3	1,468.8	1,468.8	5.0	3.2	105.74	42.6	-184.2	72.6	64.6	8.08	8.993	SF
1,600.0	1,573.1	1,564.6	1,564.6	5.6	3.4	123.96	42.6	-184.2	85.2	76.7	8.42	10.111	
1,700.0	1,669.0	1,660.5	1,660.5	6.2	3.6	136.81	42.6	-184.2	104.2	95.5	8.66	12.033	
1,800.0	1,764.8	1,756.3	1,756.3	6.8	3.8	145.53	42.6	-184.2	126.8	117.9	8.92	14.214	
1,900.0	1,860.7	1,852.2	1,852.2	7.4	4.1	151.59	42.6	-184.2	151.4	142.1	9.24	16.388	
2,000.0	1,956.6	1,948.1	1,948.1	8.0	4.3	155.95	42.6	-184.2	177.1	167.5	9.60	18.449	
2,100.0	2,052.4	2,043.9	2,043.9	8.6	4.5	159.20	42.6	-184.2	203.6	193.6	10.00	20.362	
2,200.0	2,148.3	2,139.8	2,139.8	9.2	4.7	161.70	42.6	-184.2	230.6	220.2	10.42	22.121	
2,300.0	2,244.1	2,235.6	2,235.6	9.8	4.9	163.68	42.6	-184.2	257.9	247.0	10.87	23.733	
2,400.0	2,340.0	2,331.5	2,331.5	10.4	5.1	165.28	42.6	-184.2	285.4	274.1	11.32	25.211	
2,500.0	2,435.9	2,427.4	2,427.4	11.0	5.3	166.60	42.6	-184.2	313.1	301.3	11.78	26.568	
2,600.0	2,531.7	2,523.2	2,523.2	11.6	5.6	167.71	42.6	-184.2	340.9	328.6	12.26	27.815	
2,700.0	2,627.6	2,619.1	2,619.1	12.2	5.8	168.65	42.6	-184.2	368.8	356.1	12.73	28.965	
2,800.0	2,723.4	2,714.9	2,714.9	12.8	6.0	169.46	42.6	-184.2	396.8	383.6	13.22	30.027	
2,900.0	2,819.3	2,810.8	2,810.8	13.4	6.2	170.16	42.6	-184.2	424.9	411.2	13.70	31.010	
3,000.0	2,915.2	2,906.7	2,906.7	14.1	6.4	170.78	42.6	-184.2	453.0	438.8	14.19	31.923	
3,100.0	3,011.0	3,002.5	3,002.5	14.7	6.6	171.32	42.6	-184.2	481.1	466.5	14.68	32.773	
3,200.0	3,106.9	3,098.4	3,098.4	15.3	6.9	171.80	42.6	-184.2	509.3	494.2	15.17	33.565	
3,300.0	3,202.7	3,194.2	3,194.2	15.9	7.1	172.23	42.6	-184.2	537.5	521.9	15.67	34.305	
3,400.0	3,298.6	3,290.1	3,290.1	16.5	7.3	172.62	42.6	-184.2	565.8	549.6	16.17	34.998	
3,500.0	3,394.5	3,386.0	3,386.0	17.1	7.5	172.98	42.6	-184.2	594.1	577.4	16.66	35.648	
3,600.0	3,490.3	3,481.8	3,481.8	17.7	7.7	173.30	42.6	-184.2	622.3	605.2	17.16	36.259	
3,700.0	3,586.2	3,577.7	3,577.7	18.3	7.9	173.59	42.6	-184.2	650.7	633.0	17.66	36.835	
3,800.0	3,682.1	3,673.6	3,673.6	18.9	8.1	173.86	42.6	-184.2	679.0	660.8	18.17	37.377	
3,900.0	3,777.9	3,769.4	3,769.4	19.6	8.4	174.10	42.6	-184.2	707.3	688.6	18.67	37.890	
4,000.0	3,873.8	3,865.3	3,865.3	20.2	8.6	174.33	42.6	-184.2	735.6	716.5	19.17	38.374	
4,100.0	3,969.6	3,961.1	3,961.1	20.8	8.8	174.54	42.6	-184.2	764.0	744.3	19.67	38.834	
4,200.0	4,065.5	4,057.0	4,057.0	21.4	9.0	174.74	42.6	-184.2	792.3	772.2	20.18	39.269	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 23-29 Pad Sec.29-T6N-R65W - Matrix 24-29-17 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 677- **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	-64.45	68.1	-142.5	158.3				
100.0	100.0	89.7	89.7	0.1	0.1	-64.48	68.0	-142.5	157.9	157.7	0.21	737.475	
200.0	200.0	189.9	189.9	0.3	0.2	-64.57	67.7	-142.4	157.7	157.1	0.55	285.511	
300.0	300.0	290.2	290.2	0.6	0.3	-64.72	67.2	-142.3	157.3	156.4	0.89	176.683	
400.0	400.0	390.4	390.4	0.8	0.4	-64.95	66.4	-142.1	156.8	155.6	1.23	127.648	
500.0	500.0	490.6	490.6	1.0	0.6	33.74	65.4	-141.8	154.7	153.2	1.56	99.414	
600.0	599.8	590.7	590.7	1.2	0.7	34.54	64.2	-141.5	149.6	147.7	1.88	79.407	
700.0	699.5	690.4	690.3	1.4	0.8	36.18	62.8	-141.2	141.5	139.3	2.24	63.124	
800.0	798.7	789.0	789.0	1.7	1.0	39.14	61.8	-140.8	131.1	128.4	2.69	48.813	
900.0	897.5	887.6	887.5	2.0	1.2	43.82	61.1	-140.5	118.7	115.5	3.16	37.544	
1,000.0	995.6	984.4	984.3	2.4	1.4	50.94	61.0	-140.7	105.7	102.0	3.69	28.643	
1,100.0	1,093.1	1,079.8	1,079.7	2.8	1.6	62.00	62.9	-141.0	94.7	90.4	4.30	22.009	
1,193.4	1,183.3	1,167.1	1,166.9	3.3	1.7	76.21	67.3	-141.5	90.4	85.4	4.99	18.100	CC
1,200.0	1,189.6	1,173.2	1,173.0	3.3	1.8	77.31	67.8	-141.6	90.4	85.3	5.04	17.926	ES
1,227.2	1,215.7	1,198.3	1,198.1	3.5	1.8	81.85	69.6	-141.9	91.0	85.8	5.26	17.315	
1,300.0	1,285.5	1,265.9	1,265.4	3.9	2.0	93.45	75.6	-143.3	97.0	91.2	5.82	16.685	SF
1,400.0	1,381.4	1,359.6	1,358.4	4.4	2.2	105.80	85.8	-147.1	113.1	106.6	6.51	17.377	
1,500.0	1,477.3	1,454.6	1,452.4	5.0	2.4	113.68	98.3	-153.5	134.7	127.5	7.17	18.791	
1,600.0	1,573.1	1,552.7	1,549.1	5.6	2.7	118.49	111.6	-163.0	157.5	149.6	7.85	20.071	
1,700.0	1,669.0	1,649.4	1,644.2	6.2	3.0	121.53	124.8	-174.0	180.3	171.8	8.56	21.077	
1,800.0	1,764.8	1,743.0	1,736.1	6.8	3.3	123.55	138.9	-185.0	204.5	195.2	9.30	22.000	
1,900.0	1,860.7	1,837.2	1,828.0	7.4	3.7	124.56	155.4	-197.4	230.6	220.5	10.10	22.824	
2,000.0	1,956.6	1,935.4	1,923.1	8.0	4.1	124.63	174.2	-213.3	256.6	245.6	11.00	23.335	
2,100.0	2,052.4	2,033.5	2,017.5	8.6	4.6	124.12	193.3	-231.7	281.8	269.9	11.94	23.595	
2,200.0	2,148.3	2,126.7	2,107.2	9.2	5.0	123.72	211.8	-249.3	307.4	294.5	12.87	23.874	
2,300.0	2,244.1	2,218.2	2,195.0	9.8	5.4	123.30	231.5	-266.1	334.5	320.7	13.82	24.209	
2,400.0	2,340.0	2,315.8	2,288.5	10.4	5.9	122.97	252.9	-283.5	362.4	347.6	14.79	24.497	
2,500.0	2,435.9	2,412.9	2,381.9	11.0	6.4	122.78	273.1	-300.7	389.3	373.5	15.76	24.703	
2,600.0	2,531.7	2,504.2	2,469.6	11.6	6.9	122.56	293.0	-317.0	416.9	400.2	16.73	24.923	
2,700.0	2,627.6	2,598.5	2,559.7	12.2	7.4	122.25	314.7	-334.1	445.6	427.8	17.74	25.119	
2,800.0	2,723.4	2,692.7	2,649.6	12.8	7.9	121.87	336.6	-351.9	474.1	455.4	18.77	25.262	
2,900.0	2,819.3	2,787.0	2,738.8	13.4	8.5	121.29	359.9	-371.3	503.5	483.6	19.85	25.366	
3,000.0	2,915.2	2,888.7	2,834.5	14.1	9.2	120.45	385.6	-394.6	532.3	511.3	21.00	25.353	
3,100.0	3,011.0	2,990.1	2,930.3	14.7	9.8	119.82	409.5	-417.5	559.9	537.8	22.10	25.334	
3,200.0	3,106.9	3,085.3	3,020.5	15.3	10.3	119.32	431.5	-438.8	587.2	564.0	23.19	25.327	
3,300.0	3,202.7	3,197.5	3,126.7	15.9	11.0	118.75	456.8	-464.7	613.9	589.5	24.37	25.184	
3,400.0	3,298.6	3,284.3	3,209.3	16.5	11.5	118.46	475.0	-483.9	639.4	614.0	25.40	25.177	
3,500.0	3,394.5	3,381.5	3,301.9	17.1	12.1	118.19	496.3	-504.6	666.1	639.6	26.47	25.167	
3,600.0	3,490.3	3,487.1	3,402.8	17.7	12.7	118.03	518.2	-526.5	691.9	664.3	27.55	25.109	
3,700.0	3,586.2	3,577.2	3,489.2	18.3	13.1	117.95	536.5	-544.6	717.4	688.9	28.56	25.123	
3,800.0	3,682.1	3,681.6	3,589.4	18.9	13.7	117.92	557.4	-565.0	743.0	713.4	29.62	25.082	
3,900.0	3,777.9	3,787.9	3,691.0	19.6	14.3	117.72	578.2	-588.4	767.3	736.5	30.75	24.953	
4,000.0	3,873.8	3,883.1	3,781.3	20.2	14.9	117.37	597.2	-611.7	791.2	759.3	31.87	24.824	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix A-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	0.0	0.0	0.0	0.0	-120.86	-7.7	-12.8	14.9	14.9	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	-120.86	-7.7	-12.8	14.9	14.7	0.22	66.353	
200.0	200.0	200.0	200.0	0.3	0.3	-120.86	-7.7	-12.8	14.9	14.2	0.67	22.118	CC, ES
300.0	300.0	299.5	299.5	0.6	0.6	-118.37	-7.8	-14.5	16.5	15.4	1.11	14.854	
400.0	400.0	398.7	398.6	0.8	0.8	-113.16	-8.4	-19.7	21.4	19.9	1.56	13.763	
500.0	500.0	497.7	497.1	1.0	1.0	-10.34	-9.3	-28.2	28.1	26.1	1.99	14.144	
600.0	599.8	596.4	595.1	1.2	1.3	-7.54	-10.7	-40.0	34.8	32.4	2.42	14.409	
700.0	699.5	694.8	692.4	1.4	1.6	-5.47	-12.3	-55.2	41.5	38.6	2.86	14.523	
800.0	798.7	793.1	788.9	1.7	2.0	-3.82	-14.4	-73.6	48.2	44.9	3.31	14.539	
900.0	897.5	891.1	884.4	2.0	2.5	-2.45	-16.8	-95.3	54.8	51.0	3.78	14.485	
1,000.0	995.6	988.9	979.0	2.4	3.0	-1.25	-19.5	-120.1	61.4	57.1	4.27	14.375	
1,100.0	1,093.1	1,086.5	1,072.4	2.8	3.5	-0.18	-22.6	-148.0	67.9	63.1	4.77	14.220	
1,200.0	1,189.6	1,184.7	1,165.5	3.3	4.1	0.80	-26.0	-179.2	74.1	68.8	5.30	13.984	
1,227.2	1,215.7	1,211.9	1,191.2	3.5	4.3	1.06	-27.0	-188.0	75.4	70.0	5.45	13.830	
1,300.0	1,285.5	1,284.6	1,260.0	3.9	4.8	1.71	-29.6	-211.5	78.5	72.7	5.87	13.385	
1,400.0	1,381.4	1,384.5	1,354.4	4.4	5.5	2.52	-33.2	-243.8	82.9	76.4	6.45	12.849	
1,500.0	1,477.3	1,484.4	1,448.9	5.0	6.2	3.25	-36.8	-276.2	87.2	80.1	7.05	12.373	
1,600.0	1,573.1	1,584.3	1,543.3	5.6	6.8	3.91	-40.3	-308.5	91.5	83.9	7.65	11.961	
1,700.0	1,669.0	1,684.2	1,637.8	6.2	7.5	4.51	-43.9	-340.8	95.9	87.6	8.27	11.600	
1,800.0	1,764.8	1,784.1	1,732.2	6.8	8.2	5.06	-47.5	-373.2	100.3	91.4	8.89	11.281	
1,900.0	1,860.7	1,884.0	1,826.7	7.4	8.9	5.57	-51.1	-405.5	104.6	95.1	9.51	10.997	
2,000.0	1,956.6	1,983.9	1,921.1	8.0	9.6	6.03	-54.7	-437.9	109.0	98.9	10.15	10.743	
2,100.0	2,052.4	2,083.8	2,015.6	8.6	10.3	6.46	-58.2	-470.2	113.4	102.6	10.78	10.514	
2,200.0	2,148.3	2,183.7	2,110.1	9.2	11.0	6.85	-61.8	-502.5	117.8	106.4	11.43	10.308	
2,300.0	2,244.1	2,283.6	2,204.5	9.8	11.7	7.22	-65.4	-534.9	122.2	110.1	12.07	10.120	
2,400.0	2,340.0	2,383.5	2,299.0	10.4	12.4	7.56	-69.0	-567.2	126.6	113.9	12.72	9.949	
2,500.0	2,435.9	2,483.4	2,393.4	11.0	13.1	7.88	-72.5	-599.5	131.0	117.6	13.38	9.792	
2,600.0	2,531.7	2,583.3	2,487.9	11.6	13.8	8.18	-76.1	-631.9	135.4	121.4	14.03	9.648	
2,700.0	2,627.6	2,683.2	2,582.3	12.2	14.5	8.46	-79.7	-664.2	139.8	125.1	14.69	9.515	
2,800.0	2,723.4	2,783.1	2,676.8	12.8	15.2	8.72	-83.3	-696.5	144.2	128.9	15.36	9.392	
2,900.0	2,819.3	2,883.0	2,771.2	13.4	15.9	8.97	-86.8	-728.9	148.6	132.6	16.02	9.278	
3,000.0	2,915.2	2,982.9	2,865.7	14.1	16.6	9.20	-90.4	-761.2	153.1	136.4	16.69	9.172	
3,100.0	3,011.0	3,082.8	2,960.1	14.7	17.3	9.42	-94.0	-793.5	157.5	140.1	17.36	9.073	
3,200.0	3,106.9	3,182.7	3,054.6	15.3	18.0	9.62	-97.6	-825.9	161.9	143.9	18.03	8.981	
3,300.0	3,202.7	3,282.6	3,149.1	15.9	18.7	9.82	-101.1	-858.2	166.4	147.6	18.70	8.894	
3,400.0	3,298.6	3,382.5	3,243.5	16.5	19.4	10.01	-104.7	-890.5	170.8	151.4	19.38	8.813	
3,500.0	3,394.5	3,482.4	3,338.0	17.1	20.0	10.18	-108.3	-922.9	175.2	155.2	20.05	8.737	
3,600.0	3,490.3	3,582.3	3,432.4	17.7	20.7	10.35	-111.9	-955.2	179.6	158.9	20.73	8.665	
3,700.0	3,586.2	3,682.2	3,526.9	18.3	21.4	10.51	-115.4	-987.6	184.1	162.7	21.41	8.597	
3,800.0	3,682.1	3,782.1	3,621.3	18.9	22.1	10.66	-119.0	-1,019.9	188.5	166.4	22.09	8.533	
3,900.0	3,777.9	3,882.0	3,715.8	19.6	22.8	10.81	-122.6	-1,052.2	193.0	170.2	22.77	8.473	
4,000.0	3,873.8	3,981.9	3,810.2	20.2	23.5	10.95	-126.2	-1,084.6	197.4	173.9	23.46	8.415	
4,100.0	3,969.6	4,081.8	3,904.7	20.8	24.2	11.08	-129.7	-1,116.9	201.8	177.7	24.14	8.361	
4,200.0	4,065.5	4,181.7	3,999.2	21.4	24.9	11.21	-133.3	-1,149.2	206.3	181.5	24.82	8.309	
4,300.0	4,161.4	4,281.6	4,093.6	22.0	25.6	11.33	-136.9	-1,181.6	210.7	185.2	25.51	8.260	
4,400.0	4,257.2	4,381.5	4,188.1	22.6	26.3	11.44	-140.5	-1,213.9	215.2	189.0	26.20	8.213	
4,500.0	4,353.1	4,481.4	4,282.5	23.2	27.0	11.56	-144.0	-1,246.2	219.6	192.7	26.88	8.168	
4,600.0	4,448.9	4,581.3	4,377.0	23.8	27.7	11.66	-147.6	-1,278.6	224.0	196.5	27.57	8.126	
4,700.0	4,544.8	4,681.2	4,471.4	24.5	28.4	11.77	-151.2	-1,310.9	228.5	200.2	28.26	8.085	
4,800.0	4,640.7	4,781.1	4,565.9	25.1	29.1	11.87	-154.8	-1,343.2	232.9	204.0	28.95	8.046	
4,900.0	4,736.5	4,881.0	4,660.3	25.7	29.8	11.96	-158.3	-1,375.6	237.4	207.7	29.64	8.009	
5,000.0	4,832.4	4,980.9	4,754.8	26.3	30.5	12.05	-161.9	-1,407.9	241.8	211.5	30.33	7.973	

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 B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix A-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
5,100.0	4,928.2	5,080.8	4,849.2	26.9	31.2	12.14	-165.5	-1,440.2	246.3	215.3	31.02	7.938	
5,200.0	5,024.1	5,180.7	4,943.7	27.5	31.9	12.23	-169.1	-1,472.6	250.7	219.0	31.72	7.905	
5,300.0	5,120.0	5,280.6	5,038.2	28.1	32.6	12.31	-172.6	-1,504.9	255.2	222.8	32.41	7.874	
5,400.0	5,215.8	5,380.5	5,132.6	28.8	33.3	12.39	-176.2	-1,537.2	259.6	226.5	33.10	7.843	
5,500.0	5,311.7	5,480.4	5,227.1	29.4	34.0	12.47	-179.8	-1,569.6	264.1	230.3	33.80	7.814	
5,600.0	5,407.5	5,580.3	5,321.5	30.0	34.7	12.54	-183.4	-1,601.9	268.5	234.0	34.49	7.786	
5,700.0	5,503.4	5,680.2	5,416.0	30.6	35.4	12.61	-186.9	-1,634.3	273.0	237.8	35.18	7.759	
5,800.0	5,599.3	5,780.1	5,510.4	31.2	36.1	12.68	-190.5	-1,666.6	277.4	241.6	35.88	7.732	
5,900.0	5,695.1	5,880.0	5,604.9	31.8	36.8	12.75	-194.1	-1,698.9	281.9	245.3	36.57	7.707	
6,000.0	5,791.0	5,979.9	5,699.3	32.4	37.5	12.82	-197.7	-1,731.3	286.3	249.1	37.27	7.683	
6,100.0	5,886.8	6,079.8	5,793.8	33.0	38.2	12.88	-201.2	-1,763.6	290.8	252.8	37.97	7.659	
6,200.0	5,982.7	6,179.7	5,888.3	33.7	38.9	12.94	-204.8	-1,795.9	295.2	256.6	38.66	7.636	
6,300.0	6,078.6	6,279.6	5,982.7	34.3	39.6	13.00	-208.4	-1,828.3	299.7	260.3	39.36	7.614	
6,400.0	6,174.4	6,379.5	6,077.2	34.9	40.3	13.06	-212.0	-1,860.6	304.1	264.1	40.06	7.593	
6,500.0	6,270.3	6,479.4	6,171.6	35.5	41.0	13.11	-215.6	-1,892.9	308.6	267.8	40.75	7.572	
6,564.9	6,332.5	6,544.3	6,232.9	35.9	41.5	13.15	-217.9	-1,913.9	311.5	270.3	41.21	7.559	
6,600.0	6,366.2	6,579.2	6,266.0	36.1	41.7	3.64	-219.1	-1,925.2	313.0	271.5	41.42	7.556	
6,650.0	6,414.1	6,627.4	6,311.5	36.3	42.0	-9.82	-219.2	-1,940.8	314.9	273.4	41.57	7.577	
6,700.0	6,461.7	6,675.5	6,357.0	36.6	42.3	-21.80	-216.1	-1,956.4	316.9	275.2	41.66	7.607	
6,750.0	6,508.9	6,723.9	6,402.3	36.8	42.6	-31.71	-209.7	-1,972.0	318.8	277.1	41.71	7.644	
6,800.0	6,555.3	6,772.4	6,447.2	37.0	42.8	-39.63	-200.1	-1,987.5	320.7	279.0	41.73	7.685	
6,850.0	6,600.7	6,821.0	6,491.5	37.3	43.1	-45.91	-187.2	-2,002.8	322.6	280.8	41.73	7.730	
6,900.0	6,645.0	6,869.8	6,535.1	37.5	43.3	-50.91	-171.1	-2,017.8	324.4	282.6	41.72	7.775	
6,950.0	6,687.9	6,918.9	6,577.7	37.7	43.6	-54.94	-151.9	-2,032.6	326.1	284.4	41.71	7.818	
7,000.0	6,729.2	6,968.1	6,619.0	37.8	43.8	-58.25	-129.5	-2,046.9	327.8	286.0	41.73	7.855	
7,050.0	6,768.7	7,017.5	6,659.0	38.0	44.1	-61.01	-104.0	-2,060.8	329.4	287.6	41.78	7.884	
7,100.0	6,806.1	7,067.1	6,697.4	38.2	44.3	-63.34	-75.6	-2,074.2	330.9	289.0	41.87	7.902	
7,150.0	6,841.4	7,116.9	6,733.9	38.4	44.5	-65.33	-44.2	-2,087.0	332.3	290.3	42.02	7.907	
7,200.0	6,874.4	7,166.9	6,768.5	38.5	44.7	-67.05	-10.2	-2,099.1	333.6	291.4	42.25	7.897	
7,250.0	6,904.9	7,217.1	6,800.8	38.7	44.9	-68.56	26.6	-2,110.4	334.9	292.3	42.54	7.872	
7,300.0	6,932.7	7,267.6	6,830.7	38.8	45.1	-69.88	65.7	-2,121.0	336.0	293.1	42.91	7.830	
7,350.0	6,957.6	7,318.2	6,858.1	39.0	45.2	-71.04	107.3	-2,130.7	337.0	293.6	43.36	7.772	
7,400.0	6,979.7	7,369.1	6,882.7	39.1	45.4	-72.08	150.9	-2,139.5	337.9	294.0	43.88	7.699	
7,450.0	6,998.8	7,420.2	6,904.4	39.2	45.6	-73.00	196.5	-2,147.3	338.6	294.2	44.48	7.613	
7,500.0	7,014.7	7,471.5	6,923.0	39.4	45.7	-73.81	243.8	-2,154.0	339.3	294.1	45.15	7.515	
7,550.0	7,027.5	7,523.0	6,938.4	39.5	45.9	-74.52	292.6	-2,159.7	339.8	293.9	45.87	7.407	
7,600.0	7,037.0	7,574.6	6,950.5	39.7	46.1	-75.14	342.6	-2,164.3	340.1	293.5	46.64	7.292	
7,650.0	7,043.2	7,626.5	6,959.2	39.8	46.2	-75.67	393.6	-2,167.6	340.3	292.9	47.46	7.171	
7,700.0	7,046.0	7,678.6	6,964.4	40.0	46.4	-76.12	445.3	-2,169.8	340.4	292.1	48.30	7.047	
7,736.1	7,046.0	7,716.2	6,965.9	40.1	46.5	-76.39	482.9	-2,170.7	340.3	291.4	48.93	6.956	
7,800.0	7,044.4	7,780.8	6,965.8	40.3	46.7	-76.63	547.5	-2,171.1	340.0	289.9	50.15	6.780	
7,900.0	7,042.0	7,880.8	6,965.3	40.7	47.0	-76.95	647.5	-2,171.7	339.6	287.4	52.17	6.509	
8,000.0	7,039.5	7,980.8	6,964.8	41.3	47.4	-77.27	747.5	-2,172.4	339.2	284.8	54.37	6.238	
8,100.0	7,037.0	8,080.8	6,964.3	41.8	48.0	-77.60	847.5	-2,173.0	338.7	282.0	56.72	5.972	
8,200.0	7,034.6	8,180.7	6,963.8	42.5	48.5	-77.93	947.5	-2,173.6	338.3	279.1	59.22	5.712	
8,300.0	7,032.1	8,280.7	6,963.3	43.3	49.2	-78.25	1,047.4	-2,174.3	337.9	276.0	61.85	5.463	
8,400.0	7,029.7	8,380.7	6,962.8	44.1	49.9	-78.58	1,147.4	-2,174.9	337.5	272.9	64.60	5.225	
8,500.0	7,027.2	8,480.7	6,962.3	45.1	50.7	-78.91	1,247.4	-2,175.5	337.1	269.7	67.44	4.999	
8,600.0	7,024.7	8,580.7	6,961.9	46.1	51.5	-79.24	1,347.4	-2,176.1	336.7	266.4	70.37	4.785	
8,700.0	7,022.3	8,680.6	6,961.4	47.1	52.4	-79.57	1,447.3	-2,176.8	336.4	263.0	73.39	4.584	
8,800.0	7,019.8	8,780.6	6,960.9	48.2	53.4	-79.90	1,547.3	-2,177.4	336.0	259.6	76.47	4.394	
8,900.0	7,017.4	8,880.6	6,960.4	49.4	54.4	-80.23	1,647.3	-2,178.0	335.7	256.1	79.62	4.216	

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 B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix A-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
9,000.0	7,014.9	8,980.6	6,959.9	50.7	55.5	-80.56	1,747.3	-2,178.6	335.4	252.5	82.82	4.049	
9,100.0	7,012.4	9,080.6	6,959.4	52.0	56.6	-80.89	1,847.3	-2,179.3	335.0	249.0	86.07	3.893	
9,200.0	7,010.0	9,180.5	6,958.9	53.3	57.8	-81.23	1,947.2	-2,179.9	334.7	245.4	89.37	3.746	
9,300.0	7,007.5	9,280.5	6,958.4	54.7	59.0	-81.56	2,047.2	-2,180.5	334.4	241.7	92.71	3.607	
9,400.0	7,005.1	9,380.5	6,957.9	56.1	60.3	-81.90	2,147.2	-2,181.2	334.2	238.1	96.08	3.478	
9,500.0	7,002.6	9,480.5	6,957.5	57.5	61.6	-82.23	2,247.2	-2,181.8	333.9	234.4	99.49	3.356	
9,600.0	7,000.1	9,580.5	6,957.0	59.0	63.0	-82.57	2,347.1	-2,182.4	333.6	230.7	102.93	3.241	
9,700.0	6,997.7	9,680.4	6,956.5	60.5	64.4	-82.90	2,447.1	-2,183.0	333.4	227.0	106.39	3.134	
9,800.0	6,995.2	9,780.4	6,956.0	62.0	65.8	-83.24	2,547.1	-2,183.7	333.1	223.3	109.88	3.032	
9,900.0	6,992.8	9,880.4	6,955.5	63.6	67.2	-83.58	2,647.1	-2,184.3	332.9	219.5	113.39	2.936	
10,000.0	6,990.3	9,980.4	6,955.0	65.1	68.7	-83.91	2,747.0	-2,184.9	332.7	215.8	116.91	2.846	
10,100.0	6,987.8	10,080.4	6,954.5	66.7	70.2	-84.25	2,847.0	-2,185.6	332.5	212.0	120.46	2.760	
10,200.0	6,985.4	10,180.4	6,954.0	68.3	71.7	-84.59	2,947.0	-2,186.2	332.3	208.3	124.02	2.679	
10,300.0	6,982.9	10,280.3	6,953.5	70.0	73.2	-84.93	3,047.0	-2,186.8	332.1	204.5	127.60	2.603	
10,400.0	6,980.4	10,380.3	6,953.1	71.6	74.8	-85.27	3,147.0	-2,187.4	332.0	200.8	131.19	2.530	
10,500.0	6,978.0	10,480.3	6,952.6	73.3	76.4	-85.61	3,246.9	-2,188.1	331.8	197.0	134.79	2.462	
10,600.0	6,975.5	10,580.3	6,952.1	74.9	78.0	-85.95	3,346.9	-2,188.7	331.6	193.2	138.41	2.396	
10,700.0	6,973.1	10,680.3	6,951.6	76.6	79.6	-86.29	3,446.9	-2,189.3	331.5	189.5	142.03	2.334	
10,800.0	6,970.6	10,780.2	6,951.1	78.3	81.2	-86.63	3,546.9	-2,190.0	331.4	185.7	145.66	2.275	
10,900.0	6,968.1	10,880.2	6,950.6	80.0	82.8	-86.97	3,646.8	-2,190.6	331.3	182.0	149.29	2.219	
11,000.0	6,965.7	10,980.2	6,950.1	81.7	84.5	-87.31	3,746.8	-2,191.2	331.2	178.2	152.93	2.166	
11,100.0	6,963.2	11,080.2	6,949.6	83.5	86.1	-87.65	3,846.8	-2,191.8	331.1	174.5	156.58	2.115	
11,200.0	6,960.8	11,180.2	6,949.1	85.2	87.8	-87.99	3,946.8	-2,192.5	331.0	170.8	160.23	2.066	
11,300.0	6,958.3	11,280.1	6,948.7	87.0	89.5	-88.33	4,046.8	-2,193.1	331.0	167.1	163.89	2.019	
11,400.0	6,955.8	11,380.1	6,948.2	88.7	91.2	-88.67	4,146.7	-2,193.7	330.9	163.4	167.55	1.975	
11,500.0	6,953.4	11,480.1	6,947.7	90.5	92.9	-89.01	4,246.7	-2,194.4	330.9	159.7	171.21	1.933	
11,600.0	6,950.9	11,580.1	6,947.2	92.2	94.6	-89.35	4,346.7	-2,195.0	330.8	156.0	174.87	1.892	
11,700.0	6,948.5	11,680.1	6,946.7	94.0	96.3	-89.70	4,446.7	-2,195.6	330.8	152.3	178.53	1.853	
11,789.0	6,946.3	11,769.1	6,946.3	95.6	97.9	-90.00	4,535.7	-2,196.2	330.8	149.0	181.79	1.820	
11,792.8	6,946.2	11,772.8	6,946.3	95.7	97.9	-90.01	4,539.4	-2,196.2	330.8	148.9	181.93	1.818	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix C-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	59.18	7.6	12.8	14.9	14.9	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	59.18	7.6	12.8	14.9	14.7	0.22	66.325	
200.0	200.0	200.0	200.0	0.3	0.3	59.18	7.6	12.8	14.9	14.2	0.67	22.108	
300.0	300.0	300.0	300.0	0.6	0.6	59.18	7.6	12.8	14.9	13.8	1.12	13.265	
400.0	400.0	400.0	400.0	0.8	0.8	59.18	7.6	12.8	14.9	13.3	1.57	9.475	CC, ES
500.0	500.0	500.0	500.0	1.0	1.0	160.05	7.6	12.8	16.5	14.5	2.01	8.222	
600.0	599.8	599.8	599.8	1.2	1.2	164.78	7.6	12.8	21.5	19.1	2.44	8.807	
700.0	699.5	700.5	700.4	1.4	1.4	168.70	7.3	11.1	28.3	25.4	2.87	9.877	
800.0	798.7	801.3	801.2	1.7	1.7	171.45	6.2	5.9	35.1	31.8	3.28	10.713	
900.0	897.5	902.4	901.9	2.0	1.9	173.59	4.3	-2.8	41.9	38.2	3.70	11.326	
1,000.0	995.6	1,003.8	1,002.5	2.4	2.1	175.39	1.7	-15.0	48.7	44.6	4.13	11.775	
1,100.0	1,093.1	1,105.4	1,102.8	2.8	2.4	176.97	-1.7	-30.7	55.5	50.9	4.58	12.097	
1,200.0	1,189.6	1,207.3	1,202.7	3.3	2.8	178.40	-5.8	-49.9	62.2	57.1	5.05	12.315	
1,227.2	1,215.7	1,235.0	1,229.8	3.5	2.9	178.77	-7.0	-55.7	64.0	58.8	5.18	12.356	
1,300.0	1,285.5	1,309.4	1,302.2	3.9	3.2	179.74	-10.7	-72.6	68.0	62.4	5.56	12.235	
1,400.0	1,381.4	1,409.4	1,399.1	4.4	3.7	-179.05	-15.8	-96.8	72.0	65.9	6.09	11.818	
1,500.0	1,477.3	1,509.4	1,495.9	5.0	4.2	-177.96	-21.0	-120.9	76.0	69.3	6.64	11.443	
1,600.0	1,573.1	1,609.3	1,592.7	5.6	4.6	-176.99	-26.2	-145.0	80.0	72.8	7.19	11.118	
1,700.0	1,669.0	1,709.2	1,689.6	6.2	5.1	-176.10	-31.4	-169.2	84.0	76.3	7.77	10.819	
1,800.0	1,764.8	1,809.1	1,786.4	6.8	5.6	-175.30	-36.5	-193.3	88.1	79.7	8.35	10.552	
1,900.0	1,860.7	1,909.0	1,883.2	7.4	6.2	-174.57	-41.7	-217.4	92.2	83.2	8.94	10.310	
2,000.0	1,956.6	2,008.9	1,980.0	8.0	6.7	-173.90	-46.9	-241.5	96.3	86.7	9.54	10.090	
2,100.0	2,052.4	2,108.8	2,076.8	8.6	7.2	-173.29	-52.0	-265.7	100.4	90.2	10.15	9.890	
2,200.0	2,148.3	2,208.7	2,173.6	9.2	7.7	-172.72	-57.2	-289.8	104.5	93.7	10.76	9.708	
2,300.0	2,244.1	2,308.6	2,270.5	9.8	8.2	-172.20	-62.4	-313.9	108.6	97.2	11.39	9.541	
2,400.0	2,340.0	2,408.5	2,367.3	10.4	8.8	-171.71	-67.5	-338.0	112.8	100.7	12.01	9.387	
2,500.0	2,435.9	2,508.5	2,464.1	11.0	9.3	-171.26	-72.7	-362.2	116.9	104.3	12.64	9.245	
2,600.0	2,531.7	2,608.4	2,560.9	11.6	9.8	-170.84	-77.9	-386.3	121.1	107.8	13.28	9.114	
2,700.0	2,627.6	2,708.3	2,657.7	12.2	10.4	-170.45	-83.1	-410.4	125.2	111.3	13.92	8.993	
2,800.0	2,723.4	2,808.2	2,754.5	12.8	10.9	-170.09	-88.2	-434.5	129.4	114.8	14.57	8.880	
2,900.0	2,819.3	2,908.1	2,851.4	13.4	11.4	-169.74	-93.4	-458.7	133.5	118.3	15.22	8.775	
3,000.0	2,915.2	3,008.0	2,948.2	14.1	11.9	-169.42	-98.6	-482.8	137.7	121.8	15.87	8.677	
3,100.0	3,011.0	3,107.9	3,045.0	14.7	12.5	-169.12	-103.7	-506.9	141.9	125.4	16.53	8.585	
3,200.0	3,106.9	3,207.8	3,141.8	15.3	13.0	-168.83	-108.9	-531.0	146.1	128.9	17.18	8.499	
3,300.0	3,202.7	3,307.7	3,238.6	15.9	13.5	-168.56	-114.1	-555.2	150.2	132.4	17.85	8.419	
3,400.0	3,298.6	3,407.6	3,335.4	16.5	14.1	-168.30	-119.2	-579.3	154.4	135.9	18.51	8.343	
3,500.0	3,394.5	3,507.6	3,432.2	17.1	14.6	-168.06	-124.4	-603.4	158.6	139.4	19.18	8.272	
3,600.0	3,490.3	3,607.5	3,529.1	17.7	15.1	-167.83	-129.6	-627.5	162.8	143.0	19.84	8.205	
3,700.0	3,586.2	3,707.4	3,625.9	18.3	15.7	-167.61	-134.8	-651.7	167.0	146.5	20.51	8.141	
3,800.0	3,682.1	3,807.3	3,722.7	18.9	16.2	-167.41	-139.9	-675.8	171.2	150.0	21.18	8.081	
3,900.0	3,777.9	3,907.2	3,819.5	19.6	16.8	-167.21	-145.1	-699.9	175.4	153.5	21.86	8.024	
4,000.0	3,873.8	4,007.1	3,916.3	20.2	17.3	-167.02	-150.3	-724.0	179.6	157.1	22.53	7.970	
4,100.0	3,969.6	4,107.0	4,013.1	20.8	17.8	-166.84	-155.4	-748.2	183.8	160.6	23.21	7.919	
4,200.0	4,065.5	4,206.9	4,110.0	21.4	18.4	-166.67	-160.6	-772.3	188.0	164.1	23.89	7.871	
4,300.0	4,161.4	4,306.8	4,206.8	22.0	18.9	-166.50	-165.8	-796.4	192.2	167.6	24.57	7.824	
4,400.0	4,257.2	4,406.7	4,303.6	22.6	19.4	-166.35	-170.9	-820.5	196.4	171.2	25.25	7.780	
4,500.0	4,353.1	4,506.7	4,400.4	23.2	20.0	-166.20	-176.1	-844.7	200.6	174.7	25.93	7.738	
4,600.0	4,448.9	4,606.6	4,497.2	23.8	20.5	-166.05	-181.3	-868.8	204.8	178.2	26.61	7.698	
4,700.0	4,544.8	4,706.5	4,594.0	24.5	21.0	-165.91	-186.5	-892.9	209.0	181.7	27.29	7.659	
4,800.0	4,640.7	4,806.4	4,690.9	25.1	21.6	-165.78	-191.6	-917.0	213.3	185.3	27.98	7.622	
4,900.0	4,736.5	4,906.3	4,787.7	25.7	22.1	-165.65	-196.8	-941.2	217.5	188.8	28.66	7.587	
5,000.0	4,832.4	5,006.2	4,884.5	26.3	22.7	-165.53	-202.0	-965.3	221.7	192.3	29.35	7.553	

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 B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix C-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	4,928.2	5,106.1	4,981.3	26.9	23.2	-165.41	-207.1	-989.4	225.9	195.9	30.04	7.521	
5,200.0	5,024.1	5,206.0	5,078.1	27.5	23.7	-165.30	-212.3	-1,013.5	230.1	199.4	30.72	7.490	
5,300.0	5,120.0	5,305.9	5,174.9	28.1	24.3	-165.19	-217.5	-1,037.7	234.3	202.9	31.41	7.460	
5,400.0	5,215.8	5,405.8	5,271.7	28.8	24.8	-165.08	-222.6	-1,061.8	238.5	206.4	32.10	7.431	
5,500.0	5,311.7	5,505.8	5,368.6	29.4	25.3	-164.98	-227.8	-1,085.9	242.8	210.0	32.79	7.404	
5,600.0	5,407.5	5,605.7	5,465.4	30.0	25.9	-164.88	-233.0	-1,110.0	247.0	213.5	33.48	7.377	
5,700.0	5,503.4	5,705.6	5,562.2	30.6	26.4	-164.78	-238.2	-1,134.1	251.2	217.0	34.17	7.351	
5,800.0	5,599.3	5,805.5	5,659.0	31.2	27.0	-164.69	-243.3	-1,158.3	255.4	220.6	34.86	7.327	
5,900.0	5,695.1	5,905.4	5,755.8	31.8	27.5	-164.60	-248.5	-1,182.4	259.6	224.1	35.55	7.303	
6,000.0	5,791.0	6,005.3	5,852.6	32.4	28.0	-164.52	-253.7	-1,206.5	263.9	227.6	36.25	7.280	
6,100.0	5,886.8	6,105.2	5,949.5	33.0	28.6	-164.43	-258.8	-1,230.6	268.1	231.1	36.94	7.258	
6,200.0	5,982.7	6,205.1	6,046.3	33.7	29.1	-164.35	-264.0	-1,254.8	272.3	234.7	37.63	7.236	
6,300.0	6,078.6	6,305.0	6,143.1	34.3	29.6	-164.27	-269.2	-1,278.9	276.5	238.2	38.33	7.215	
6,400.0	6,174.4	6,404.9	6,239.9	34.9	30.2	-164.19	-274.3	-1,303.0	280.8	241.7	39.02	7.195	
6,500.0	6,270.3	6,506.1	6,337.9	35.5	30.7	-164.19	-279.2	-1,327.4	284.9	245.3	39.68	7.181	
6,564.9	6,332.5	6,574.3	6,404.1	35.9	31.0	-165.20	-277.4	-1,344.0	287.0	247.4	39.65	7.239	
6,600.0	6,366.2	6,610.8	6,439.3	36.1	31.1	-175.65	-273.8	-1,352.8	288.0	248.6	39.44	7.303	
6,650.0	6,414.1	6,662.4	6,488.6	36.3	31.3	169.77	-265.5	-1,365.2	289.5	250.4	39.11	7.402	
6,700.0	6,461.7	6,713.5	6,536.9	36.6	31.5	156.68	-253.7	-1,377.3	291.2	252.4	38.80	7.504	
6,750.0	6,508.9	6,764.2	6,583.7	36.8	31.7	145.68	-238.5	-1,389.1	292.9	254.4	38.52	7.603	
6,800.0	6,555.3	6,814.4	6,629.1	37.0	31.9	136.70	-220.2	-1,400.6	294.8	256.5	38.31	7.695	
6,850.0	6,600.7	6,864.2	6,672.6	37.3	32.0	129.41	-198.8	-1,411.6	296.8	258.6	38.18	7.774	
6,900.0	6,645.0	6,913.6	6,714.3	37.5	32.1	123.43	-174.5	-1,422.2	298.9	260.7	38.14	7.837	
6,950.0	6,687.9	6,962.6	6,753.9	37.7	32.3	118.45	-147.6	-1,432.3	301.0	262.9	38.19	7.883	
7,000.0	6,729.2	7,011.1	6,791.4	37.8	32.4	114.25	-118.2	-1,441.9	303.3	264.9	38.33	7.911	
7,050.0	6,768.7	7,059.3	6,826.6	38.0	32.5	110.65	-86.5	-1,450.9	305.5	267.0	38.56	7.923	
7,100.0	6,806.1	7,107.2	6,859.3	38.2	32.6	107.54	-52.6	-1,459.4	307.8	269.0	38.87	7.920	
7,150.0	6,841.4	7,154.7	6,889.6	38.4	32.7	104.82	-16.9	-1,467.2	310.1	270.9	39.23	7.905	
7,200.0	6,874.4	7,201.9	6,917.4	38.5	32.8	102.43	20.6	-1,474.4	312.4	272.8	39.64	7.881	
7,250.0	6,904.9	7,250.0	6,943.1	38.7	32.9	100.29	60.6	-1,481.2	314.6	274.5	40.08	7.849	
7,300.0	6,932.7	7,295.4	6,965.0	38.8	33.0	98.45	100.0	-1,486.9	316.8	276.3	40.53	7.816	
7,350.0	6,957.6	7,341.7	6,984.8	39.0	33.1	96.79	141.5	-1,492.2	318.9	277.9	40.99	7.779	
7,400.0	6,979.7	7,387.8	7,001.8	39.1	33.2	95.33	184.1	-1,496.8	320.9	279.4	41.46	7.739	
7,450.0	6,998.8	7,433.7	7,016.1	39.2	33.3	94.05	227.5	-1,500.7	322.7	280.8	41.92	7.698	
7,500.0	7,014.7	7,479.3	7,027.6	39.4	33.4	92.93	271.5	-1,503.9	324.4	282.1	42.37	7.657	
7,550.0	7,027.5	7,524.8	7,036.3	39.5	33.5	91.98	316.1	-1,506.4	326.0	283.2	42.81	7.614	
7,600.0	7,037.0	7,570.0	7,042.2	39.7	33.7	91.17	360.9	-1,508.2	327.4	284.1	43.25	7.569	
7,650.0	7,043.2	7,615.2	7,045.4	39.8	33.8	90.51	405.9	-1,509.4	328.6	284.9	43.69	7.521	
7,700.0	7,046.0	7,661.4	7,045.9	40.0	34.0	90.00	452.1	-1,509.9	329.6	285.4	44.13	7.467	
7,736.1	7,046.0	7,697.4	7,045.7	40.1	34.1	89.95	488.2	-1,510.1	329.8	285.3	44.53	7.406	
7,752.0	7,045.6	7,713.4	7,045.6	40.1	34.2	90.00	504.1	-1,510.2	329.8	285.0	44.85	7.353	
7,800.0	7,044.4	7,761.4	7,045.3	40.3	34.4	90.15	552.1	-1,510.5	329.8	284.0	45.82	7.198	
7,900.0	7,042.0	7,861.3	7,044.7	40.7	34.9	90.48	652.1	-1,511.1	329.8	281.8	47.98	6.874	
8,000.0	7,039.5	7,961.3	7,044.1	41.3	35.5	90.80	752.0	-1,511.8	329.8	279.5	50.35	6.551	
8,100.0	7,037.0	8,061.3	7,043.5	41.8	36.2	91.12	852.0	-1,512.4	329.9	277.0	52.90	6.236	
8,200.0	7,034.6	8,161.3	7,042.9	42.5	37.1	91.44	952.0	-1,513.0	329.9	274.3	55.60	5.934	
8,300.0	7,032.1	8,261.3	7,042.3	43.3	38.0	91.76	1,052.0	-1,513.6	330.0	271.5	58.44	5.646	
8,400.0	7,029.7	8,361.3	7,041.7	44.1	39.0	92.08	1,152.0	-1,514.3	330.0	268.6	61.39	5.376	
8,500.0	7,027.2	8,461.2	7,041.0	45.1	40.1	92.40	1,251.9	-1,514.9	330.1	265.7	64.44	5.123	
8,600.0	7,024.7	8,561.2	7,040.4	46.1	41.2	92.72	1,351.9	-1,515.5	330.2	262.6	67.57	4.886	
8,700.0	7,022.3	8,661.2	7,039.8	47.1	42.5	93.04	1,451.9	-1,516.2	330.3	259.5	70.78	4.667	
8,800.0	7,019.8	8,761.2	7,039.2	48.2	43.8	93.36	1,551.9	-1,516.8	330.4	256.3	74.04	4.462	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix C-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	7,017.4	8,861.2	7,038.6	49.4	45.1	93.68	1,651.9	-1,517.4	330.5	253.1	77.36	4.272	
9,000.0	7,014.9	8,961.2	7,038.0	50.7	46.5	94.00	1,751.8	-1,518.0	330.6	249.9	80.73	4.095	
9,100.0	7,012.4	9,061.1	7,037.4	52.0	47.9	94.32	1,851.8	-1,518.7	330.7	246.6	84.13	3.931	
9,200.0	7,010.0	9,161.1	7,036.8	53.3	49.4	94.64	1,951.8	-1,519.3	330.9	243.3	87.57	3.778	
9,300.0	7,007.5	9,261.1	7,036.2	54.7	50.9	94.96	2,051.8	-1,519.9	331.0	240.0	91.04	3.636	
9,400.0	7,005.1	9,361.1	7,035.5	56.1	52.5	95.28	2,151.8	-1,520.6	331.2	236.7	94.54	3.504	
9,500.0	7,002.6	9,461.1	7,034.9	57.5	54.0	95.60	2,251.7	-1,521.2	331.4	233.3	98.05	3.380	
9,600.0	7,000.1	9,561.0	7,034.3	59.0	55.6	95.92	2,351.7	-1,521.8	331.6	230.0	101.59	3.264	
9,700.0	6,997.7	9,661.0	7,033.7	60.5	57.2	96.23	2,451.7	-1,522.4	331.8	226.6	105.14	3.156	
9,800.0	6,995.2	9,761.0	7,033.1	62.0	58.8	96.55	2,551.7	-1,523.1	332.0	223.3	108.70	3.054	
9,900.0	6,992.8	9,861.0	7,032.5	63.6	60.5	96.87	2,651.6	-1,523.7	332.2	219.9	112.28	2.959	
10,000.0	6,990.3	9,961.0	7,031.9	65.1	62.2	97.19	2,751.6	-1,524.3	332.4	216.6	115.86	2.869	
10,100.0	6,987.8	10,061.0	7,031.3	66.7	63.8	97.50	2,851.6	-1,524.9	332.7	213.2	119.45	2.785	
10,200.0	6,985.4	10,160.9	7,030.7	68.3	65.5	97.82	2,951.6	-1,525.6	332.9	209.9	123.05	2.705	
10,300.0	6,982.9	10,260.9	7,030.0	70.0	67.2	98.13	3,051.6	-1,526.2	333.2	206.5	126.65	2.631	
10,400.0	6,980.4	10,360.9	7,029.4	71.6	68.9	98.45	3,151.5	-1,526.8	333.4	203.2	130.26	2.560	
10,500.0	6,978.0	10,460.9	7,028.8	73.3	70.7	98.76	3,251.5	-1,527.5	333.7	199.8	133.86	2.493	
10,600.0	6,975.5	10,560.9	7,028.2	74.9	72.4	99.07	3,351.5	-1,528.1	334.0	196.5	137.47	2.430	
10,700.0	6,973.1	10,660.9	7,027.6	76.6	74.2	99.39	3,451.5	-1,528.7	334.3	193.2	141.08	2.370	
10,800.0	6,970.6	10,760.8	7,027.0	78.3	75.9	99.70	3,551.5	-1,529.3	334.6	189.9	144.68	2.313	
10,900.0	6,968.1	10,860.8	7,026.4	80.0	77.7	100.01	3,651.4	-1,530.0	334.9	186.6	148.29	2.259	
11,000.0	6,965.7	10,960.8	7,025.8	81.7	79.5	100.32	3,751.4	-1,530.6	335.2	183.3	151.89	2.207	
11,100.0	6,963.2	11,060.8	7,025.2	83.5	81.2	100.63	3,851.4	-1,531.2	335.6	180.1	155.49	2.158	
11,200.0	6,960.8	11,160.8	7,024.5	85.2	83.0	100.94	3,951.4	-1,531.9	335.9	176.8	159.08	2.112	
11,300.0	6,958.3	11,260.8	7,023.9	87.0	84.8	101.25	4,051.4	-1,532.5	336.3	173.6	162.67	2.067	
11,400.0	6,955.8	11,360.7	7,023.3	88.7	86.6	101.56	4,151.3	-1,533.1	336.6	170.4	166.26	2.025	
11,500.0	6,953.4	11,460.7	7,022.7	90.5	88.4	101.87	4,251.3	-1,533.7	337.0	167.2	169.83	1.984	
11,600.0	6,950.9	11,560.7	7,022.1	92.2	90.2	102.18	4,351.3	-1,534.4	337.4	164.0	173.40	1.946	
11,700.0	6,948.5	11,660.7	7,021.5	94.0	92.0	102.48	4,451.3	-1,535.0	337.8	160.8	176.97	1.909	
11,737.3	6,947.5	11,698.0	7,021.3	94.7	92.7	102.60	4,488.6	-1,535.2	337.9	159.6	178.30	1.895	
11,792.8	6,946.2	11,724.0	7,021.1	95.7	93.2	102.68	4,514.6	-1,535.4	339.5	159.7	179.76	1.888	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix D-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	59.16	15.3	25.6	29.8				
100.0	100.0	100.0	100.0	0.1	0.1	59.16	15.3	25.6	29.8	29.6	0.22	132.678	
200.0	200.0	200.0	200.0	0.3	0.3	59.16	15.3	25.6	29.8	29.1	0.67	44.226	
300.0	300.0	300.0	300.0	0.6	0.6	59.16	15.3	25.6	29.8	28.7	1.12	26.536	
400.0	400.0	400.0	400.0	0.8	0.8	59.16	15.3	25.6	29.8	28.2	1.57	18.954	CC, ES
500.0	500.0	500.0	500.0	1.0	1.0	158.95	15.3	25.6	31.4	29.4	2.01	15.635	
600.0	599.8	599.8	599.8	1.2	1.2	161.88	15.3	25.6	36.4	33.9	2.44	14.881	
700.0	699.5	699.5	699.5	1.4	1.5	165.31	15.3	25.6	44.7	41.9	2.88	15.510	
800.0	798.7	798.7	798.7	1.7	1.7	168.39	15.3	25.6	56.6	53.3	3.33	17.011	
900.0	897.5	899.9	899.9	2.0	1.9	170.83	14.8	23.9	70.3	66.6	3.76	18.725	
1,000.0	995.6	1,001.7	1,001.5	2.4	2.1	172.72	13.5	18.7	84.0	79.9	4.17	20.154	
1,100.0	1,093.1	1,104.0	1,103.4	2.8	2.3	174.30	11.2	10.0	97.7	93.1	4.59	21.263	
1,200.0	1,189.6	1,206.8	1,205.4	3.3	2.6	175.70	8.0	-2.3	111.3	106.3	5.03	22.116	
1,227.2	1,215.7	1,234.8	1,233.1	3.5	2.7	176.05	7.0	-6.3	115.0	109.9	5.16	22.305	
1,300.0	1,285.5	1,310.2	1,307.5	3.9	2.9	176.95	3.9	-18.2	124.0	118.5	5.51	22.510	
1,400.0	1,381.4	1,414.4	1,409.7	4.4	3.2	178.09	-1.3	-37.9	133.2	127.2	6.01	22.164	
1,500.0	1,477.3	1,516.4	1,509.1	5.0	3.6	179.16	-7.0	-60.1	139.5	132.9	6.53	21.352	
1,600.0	1,573.1	1,616.2	1,606.2	5.6	4.0	-179.86	-12.8	-82.2	145.3	138.3	7.06	20.579	
1,700.0	1,669.0	1,716.0	1,703.4	6.2	4.5	-178.96	-18.6	-104.4	151.2	143.6	7.60	19.892	
1,800.0	1,764.8	1,815.8	1,800.5	6.8	4.9	-178.13	-24.3	-126.5	157.2	149.0	8.16	19.275	
1,900.0	1,860.7	1,915.6	1,897.7	7.4	5.4	-177.35	-30.1	-148.6	163.2	154.5	8.72	18.717	
2,000.0	1,956.6	2,015.4	1,994.8	8.0	5.8	-176.64	-35.8	-170.7	169.2	159.9	9.29	18.212	
2,100.0	2,052.4	2,115.2	2,091.9	8.6	6.3	-175.97	-41.6	-192.8	175.2	165.3	9.87	17.753	
2,200.0	2,148.3	2,215.0	2,189.1	9.2	6.8	-175.35	-47.4	-214.9	181.3	170.8	10.46	17.335	
2,300.0	2,244.1	2,314.8	2,286.2	9.8	7.3	-174.76	-53.1	-237.0	187.3	176.3	11.05	16.952	
2,400.0	2,340.0	2,414.6	2,383.4	10.4	7.7	-174.22	-58.9	-259.1	193.4	181.8	11.65	16.601	
2,500.0	2,435.9	2,514.4	2,480.5	11.0	8.2	-173.70	-64.6	-281.3	199.5	187.3	12.26	16.277	
2,600.0	2,531.7	2,614.2	2,577.7	11.6	8.7	-173.22	-70.4	-303.4	205.7	192.8	12.87	15.978	
2,700.0	2,627.6	2,714.0	2,674.8	12.2	9.2	-172.77	-76.1	-325.5	211.8	198.3	13.49	15.701	
2,800.0	2,723.4	2,813.8	2,772.0	12.8	9.7	-172.34	-81.9	-347.6	218.0	203.8	14.11	15.443	
2,900.0	2,819.3	2,913.6	2,869.1	13.4	10.2	-171.93	-87.7	-369.7	224.1	209.4	14.74	15.204	
3,000.0	2,915.2	3,013.4	2,966.3	14.1	10.7	-171.55	-93.4	-391.8	230.3	214.9	15.37	14.981	
3,100.0	3,011.0	3,113.2	3,063.4	14.7	11.2	-171.19	-99.2	-413.9	236.5	220.5	16.01	14.772	
3,200.0	3,106.9	3,213.0	3,160.6	15.3	11.7	-170.84	-104.9	-436.0	242.7	226.0	16.65	14.577	
3,300.0	3,202.7	3,312.7	3,257.7	15.9	12.2	-170.51	-110.7	-458.2	248.9	231.6	17.29	14.393	
3,400.0	3,298.6	3,412.5	3,354.9	16.5	12.7	-170.20	-116.5	-480.3	255.1	237.1	17.94	14.221	
3,500.0	3,394.5	3,512.3	3,452.0	17.1	13.2	-169.90	-122.2	-502.4	261.3	242.7	18.59	14.059	
3,600.0	3,490.3	3,612.1	3,549.1	17.7	13.7	-169.62	-128.0	-524.5	267.5	248.3	19.24	13.906	
3,700.0	3,586.2	3,711.9	3,646.3	18.3	14.2	-169.35	-133.7	-546.6	273.7	253.8	19.89	13.761	
3,800.0	3,682.1	3,811.7	3,743.4	18.9	14.7	-169.09	-139.5	-568.7	280.0	259.4	20.55	13.624	
3,900.0	3,777.9	3,911.5	3,840.6	19.6	15.2	-168.84	-145.3	-590.8	286.2	265.0	21.21	13.495	
4,000.0	3,873.8	4,011.3	3,937.7	20.2	15.7	-168.61	-151.0	-612.9	292.5	270.6	21.87	13.372	
4,100.0	3,969.6	4,111.1	4,034.9	20.8	16.2	-168.38	-156.8	-635.1	298.7	276.2	22.53	13.255	
4,200.0	4,065.5	4,210.9	4,132.0	21.4	16.7	-168.16	-162.5	-657.2	305.0	281.8	23.20	13.145	
4,300.0	4,161.4	4,310.7	4,229.2	22.0	17.2	-167.96	-168.3	-679.3	311.2	287.3	23.87	13.039	
4,400.0	4,257.2	4,410.5	4,326.3	22.6	17.7	-167.76	-174.0	-701.4	317.5	292.9	24.54	12.939	
4,500.0	4,353.1	4,510.3	4,423.5	23.2	18.2	-167.56	-179.8	-723.5	323.7	298.5	25.21	12.843	
4,600.0	4,448.9	4,610.1	4,520.6	23.8	18.7	-167.38	-185.6	-745.6	330.0	304.1	25.88	12.751	
4,700.0	4,544.8	4,709.9	4,617.8	24.5	19.2	-167.20	-191.3	-767.7	336.3	309.7	26.55	12.664	
4,800.0	4,640.7	4,809.7	4,714.9	25.1	19.7	-167.03	-197.1	-789.8	342.6	315.3	27.23	12.580	
4,900.0	4,736.5	4,909.5	4,812.1	25.7	20.2	-166.86	-202.8	-812.0	348.8	320.9	27.91	12.500	
5,000.0	4,832.4	5,009.3	4,909.2	26.3	20.7	-166.70	-208.6	-834.1	355.1	326.5	28.58	12.423	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix D-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	4,928.2	5,109.1	5,006.3	26.9	21.2	-166.55	-214.4	-856.2	361.4	332.1	29.26	12.350	
5,200.0	5,024.1	5,208.9	5,103.5	27.5	21.7	-166.40	-220.1	-878.3	367.7	337.7	29.94	12.279	
5,300.0	5,120.0	5,308.7	5,200.6	28.1	22.2	-166.25	-225.9	-900.4	374.0	343.3	30.63	12.211	
5,400.0	5,215.8	5,408.5	5,297.8	28.8	22.7	-166.11	-231.6	-922.5	380.3	349.0	31.31	12.146	
5,500.0	5,311.7	5,508.3	5,394.9	29.4	23.2	-165.98	-237.4	-944.6	386.6	354.6	31.99	12.083	
5,600.0	5,407.5	5,608.1	5,492.1	30.0	23.7	-165.85	-243.2	-966.7	392.9	360.2	32.68	12.023	
5,700.0	5,503.4	5,707.9	5,589.2	30.6	24.2	-165.72	-248.9	-988.8	399.1	365.8	33.36	11.965	
5,800.0	5,599.3	5,807.7	5,686.4	31.2	24.7	-165.60	-254.7	-1,011.0	405.4	371.4	34.05	11.909	
5,900.0	5,695.1	5,907.5	5,783.5	31.8	25.2	-165.48	-260.4	-1,033.1	411.7	377.0	34.73	11.855	
6,000.0	5,791.0	6,007.3	5,880.7	32.4	25.7	-165.37	-266.2	-1,055.2	418.0	382.6	35.42	11.802	
6,100.0	5,886.8	6,107.1	5,977.8	33.0	26.2	-165.26	-271.9	-1,077.3	424.4	388.2	36.11	11.752	
6,200.0	5,982.7	6,206.9	6,075.0	33.7	26.7	-165.15	-277.7	-1,099.4	430.7	393.9	36.80	11.703	
6,300.0	6,078.6	6,306.7	6,172.1	34.3	27.2	-165.04	-283.5	-1,121.5	437.0	399.5	37.49	11.656	
6,400.0	6,174.4	6,406.5	6,269.3	34.9	27.7	-164.94	-289.2	-1,143.6	443.3	405.1	38.18	11.611	
6,500.0	6,270.3	6,506.3	6,366.4	35.5	28.2	-164.84	-295.0	-1,165.7	449.6	410.7	38.87	11.567	
6,564.9	6,332.5	6,574.0	6,432.4	35.9	28.5	-164.90	-297.9	-1,180.8	453.6	414.3	39.26	11.554	
6,600.0	6,366.2	6,611.9	6,469.3	36.1	28.6	-174.77	-297.1	-1,189.2	455.6	416.3	39.29	11.596	
6,650.0	6,414.1	6,665.8	6,521.6	36.3	28.8	171.45	-292.5	-1,201.1	458.4	419.1	39.26	11.676	
6,700.0	6,461.7	6,719.4	6,573.2	36.6	29.0	159.15	-283.9	-1,213.0	461.2	422.0	39.18	11.772	
6,750.0	6,508.9	6,772.9	6,623.9	36.8	29.2	148.91	-271.4	-1,224.6	464.0	425.0	39.06	11.880	
6,800.0	6,555.3	6,826.1	6,673.2	37.0	29.3	140.65	-255.2	-1,235.9	466.8	427.9	38.92	11.994	
6,850.0	6,600.7	6,879.0	6,721.0	37.3	29.5	134.05	-235.3	-1,247.0	469.6	430.8	38.78	12.109	
6,900.0	6,645.0	6,931.7	6,767.1	37.5	29.6	128.72	-212.0	-1,257.6	472.3	433.6	38.65	12.218	
6,950.0	6,687.9	6,984.1	6,811.1	37.7	29.7	124.35	-185.5	-1,267.8	474.9	436.4	38.56	12.317	
7,000.0	6,729.2	7,036.2	6,852.9	37.8	29.8	120.73	-155.9	-1,277.5	477.5	439.0	38.52	12.399	
7,050.0	6,768.7	7,088.1	6,892.2	38.0	29.9	117.66	-123.4	-1,286.7	480.1	441.5	38.53	12.459	
7,100.0	6,806.1	7,139.6	6,929.0	38.2	30.0	115.03	-88.3	-1,295.3	482.5	443.9	38.62	12.493	
7,150.0	6,841.4	7,190.9	6,963.0	38.4	30.1	112.75	-50.8	-1,303.3	484.8	446.1	38.79	12.499	
7,200.0	6,874.4	7,241.9	6,994.1	38.5	30.2	110.75	-11.2	-1,310.6	487.1	448.0	39.04	12.475	
7,250.0	6,904.9	7,292.5	7,022.3	38.7	30.3	108.99	30.4	-1,317.3	489.2	449.8	39.38	12.423	
7,300.0	6,932.7	7,342.9	7,047.3	38.8	30.3	107.42	73.7	-1,323.3	491.2	451.4	39.80	12.344	
7,350.0	6,957.6	7,393.0	7,069.3	39.0	30.4	106.03	118.4	-1,328.6	493.1	452.8	40.28	12.242	
7,400.0	6,979.7	7,442.8	7,088.0	39.1	30.5	104.79	164.4	-1,333.1	494.9	454.0	40.84	12.117	
7,450.0	6,998.8	7,492.4	7,103.5	39.2	30.6	103.68	211.2	-1,337.0	496.4	455.0	41.45	11.976	
7,500.0	7,014.7	7,541.6	7,115.7	39.4	30.7	102.70	258.8	-1,340.1	497.9	455.8	42.11	11.822	
7,550.0	7,027.5	7,590.6	7,124.7	39.5	30.8	101.84	306.9	-1,342.4	499.1	456.3	42.81	11.658	
7,600.0	7,037.0	7,639.3	7,130.4	39.7	31.0	101.09	355.3	-1,344.0	500.2	456.7	43.54	11.488	
7,650.0	7,043.2	7,687.8	7,132.9	39.8	31.1	100.44	403.7	-1,344.9	501.1	456.8	44.29	11.314	
7,700.0	7,046.0	7,737.3	7,133.0	40.0	31.3	100.00	453.1	-1,345.2	501.8	456.7	45.08	11.132	
7,736.1	7,046.0	7,773.3	7,133.0	40.1	31.4	99.98	489.2	-1,345.4	502.1	456.4	45.67	10.993	
7,800.0	7,044.4	7,837.2	7,133.0	40.3	31.7	100.15	553.1	-1,345.8	502.3	455.4	46.95	10.698	
7,900.0	7,042.0	7,937.2	7,133.0	40.7	32.3	100.43	653.1	-1,346.5	502.8	453.7	49.10	10.240	
8,000.0	7,039.5	8,037.2	7,133.0	41.3	33.0	100.70	753.0	-1,347.1	503.2	451.8	51.43	9.784	
8,100.0	7,037.0	8,137.2	7,133.0	41.8	33.8	100.98	853.0	-1,347.7	503.7	449.8	53.93	9.339	
8,200.0	7,034.6	8,237.1	7,133.0	42.5	34.7	101.25	953.0	-1,348.4	504.2	447.6	56.57	8.912	
8,300.0	7,032.1	8,337.1	7,133.0	43.3	35.7	101.53	1,053.0	-1,349.0	504.6	445.3	59.34	8.505	
8,400.0	7,029.7	8,437.1	7,133.0	44.1	36.8	101.80	1,152.9	-1,349.6	505.1	442.9	62.20	8.121	
8,500.0	7,027.2	8,537.0	7,133.0	45.1	38.0	102.07	1,252.9	-1,350.2	505.7	440.5	65.16	7.761	
8,600.0	7,024.7	8,637.0	7,133.0	46.1	39.3	102.35	1,352.9	-1,350.9	506.2	438.0	68.19	7.424	
8,700.0	7,022.3	8,737.0	7,133.0	47.1	40.6	102.62	1,452.8	-1,351.5	506.7	435.4	71.28	7.109	
8,800.0	7,019.8	8,836.9	7,133.0	48.2	41.9	102.89	1,552.8	-1,352.1	507.2	432.8	74.43	6.815	
8,900.0	7,017.4	8,936.9	7,133.0	49.4	43.4	103.16	1,652.8	-1,352.8	507.8	430.2	77.63	6.542	

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 B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix D-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	7,014.9	9,036.9	7,133.0	50.7	44.8	103.43	1,752.7	-1,353.4	508.4	427.5	80.86	6.287	
9,100.0	7,012.4	9,136.9	7,133.0	52.0	46.3	103.70	1,852.7	-1,354.0	508.9	424.8	84.13	6.049	
9,200.0	7,010.0	9,236.8	7,133.0	53.3	47.9	103.97	1,952.7	-1,354.6	509.5	422.1	87.43	5.828	
9,300.0	7,007.5	9,336.8	7,133.0	54.7	49.4	104.24	2,052.6	-1,355.3	510.1	419.4	90.76	5.621	
9,400.0	7,005.1	9,436.8	7,133.0	56.1	51.0	104.50	2,152.6	-1,355.9	510.7	416.6	94.11	5.427	
9,500.0	7,002.6	9,536.7	7,133.0	57.5	52.6	104.77	2,252.6	-1,356.5	511.4	413.9	97.47	5.246	
9,600.0	7,000.1	9,636.7	7,133.0	59.0	54.2	105.04	2,352.5	-1,357.2	512.0	411.2	100.85	5.077	
9,700.0	6,997.7	9,736.7	7,133.0	60.5	55.9	105.30	2,452.5	-1,357.8	512.6	408.4	104.24	4.918	
9,800.0	6,995.2	9,836.6	7,133.0	62.0	57.6	105.57	2,552.5	-1,358.4	513.3	405.7	107.64	4.768	
9,900.0	6,992.8	9,936.6	7,133.0	63.6	59.3	105.83	2,652.4	-1,359.0	514.0	402.9	111.05	4.628	
10,000.0	6,990.3	10,036.6	7,133.0	65.1	61.0	106.09	2,752.4	-1,359.7	514.6	400.2	114.47	4.496	
10,100.0	6,987.8	10,136.5	7,133.0	66.7	62.7	106.36	2,852.4	-1,360.3	515.3	397.4	117.89	4.371	
10,200.0	6,985.4	10,236.5	7,133.0	68.3	64.4	106.62	2,952.3	-1,360.9	516.0	394.7	121.32	4.254	
10,300.0	6,982.9	10,336.5	7,133.0	70.0	66.1	106.88	3,052.3	-1,361.6	516.7	392.0	124.74	4.142	
10,400.0	6,980.4	10,436.5	7,133.0	71.6	67.9	107.14	3,152.3	-1,362.2	517.5	389.3	128.17	4.037	
10,500.0	6,978.0	10,536.4	7,133.0	73.3	69.6	107.40	3,252.2	-1,362.8	518.2	386.6	131.59	3.938	
10,600.0	6,975.5	10,636.4	7,133.0	74.9	71.4	107.66	3,352.2	-1,363.4	518.9	383.9	135.02	3.843	
10,700.0	6,973.1	10,736.4	7,133.0	76.6	73.2	107.92	3,452.2	-1,364.1	519.7	381.2	138.44	3.754	
10,800.0	6,970.6	10,836.3	7,133.0	78.3	75.0	108.18	3,552.1	-1,364.7	520.4	378.6	141.86	3.669	
10,900.0	6,968.1	10,936.3	7,133.0	80.0	76.7	108.43	3,652.1	-1,365.3	521.2	375.9	145.28	3.588	
11,000.0	6,965.7	11,036.3	7,133.0	81.7	78.5	108.69	3,752.1	-1,365.9	522.0	373.3	148.69	3.511	
11,100.0	6,963.2	11,136.2	7,133.0	83.5	80.3	108.94	3,852.1	-1,366.6	522.8	370.7	152.10	3.437	
11,200.0	6,960.8	11,236.2	7,133.0	85.2	82.1	109.20	3,952.0	-1,367.2	523.6	368.1	155.50	3.367	
11,300.0	6,958.3	11,336.2	7,133.0	87.0	83.9	109.45	4,052.0	-1,367.8	524.4	365.5	158.90	3.300	
11,400.0	6,955.8	11,436.2	7,133.0	88.7	85.8	109.71	4,152.0	-1,368.5	525.2	363.0	162.29	3.236	
11,500.0	6,953.4	11,536.1	7,133.0	90.5	87.6	109.96	4,251.9	-1,369.1	526.1	360.4	165.67	3.175	
11,600.0	6,950.9	11,636.1	7,133.0	92.2	89.4	110.21	4,351.9	-1,369.7	526.9	357.9	169.05	3.117	
11,700.0	6,948.5	11,736.1	7,133.0	94.0	91.2	110.46	4,451.9	-1,370.3	527.8	355.4	172.42	3.061	
11,792.8	6,946.2	11,783.7	7,133.0	95.7	92.1	110.58	4,499.5	-1,370.6	530.5	355.7	174.82	3.035	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix E-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	59.32	23.0	38.7	45.0				
100.0	100.0	99.0	99.0	0.1	0.1	59.32	23.0	38.7	45.0	44.8	0.22	201.126	
200.0	200.0	199.0	199.0	0.3	0.3	59.32	23.0	38.7	45.0	44.3	0.67	66.931	
300.0	300.0	299.0	299.0	0.6	0.6	59.32	23.0	38.7	45.0	43.9	1.12	40.105	
400.0	400.0	399.0	399.0	0.8	0.8	59.32	23.0	38.7	45.0	43.4	1.57	28.630	CC, ES
500.0	500.0	499.0	499.0	1.0	1.0	158.71	23.0	38.7	46.6	44.6	2.01	23.198	
600.0	599.8	598.8	598.8	1.2	1.2	160.79	23.0	38.7	51.5	49.1	2.44	21.092	
700.0	699.5	698.5	698.5	1.4	1.5	163.49	23.0	38.7	59.8	56.9	2.88	20.748	
800.0	798.7	797.7	797.7	1.7	1.7	166.21	23.0	38.7	71.6	68.3	3.33	21.516	
900.0	897.5	896.5	896.5	2.0	1.9	168.61	23.0	38.7	86.9	83.1	3.77	23.020	
1,000.0	995.6	994.6	994.6	2.4	2.1	170.59	23.0	38.7	105.6	101.4	4.22	25.028	
1,100.0	1,093.1	1,096.3	1,096.3	2.8	2.3	172.26	22.5	37.1	126.4	121.7	4.65	27.145	
1,200.0	1,189.6	1,199.0	1,198.8	3.3	2.5	173.69	20.8	32.1	147.0	142.0	5.07	28.989	
1,227.2	1,215.7	1,227.0	1,226.8	3.5	2.6	174.05	20.2	30.1	152.7	147.5	5.19	29.419	
1,300.0	1,285.5	1,302.6	1,302.1	3.9	2.8	174.97	18.1	23.5	166.8	161.3	5.52	30.215	
1,400.0	1,381.4	1,407.6	1,406.3	4.4	3.0	176.11	14.1	11.1	183.2	177.2	5.99	30.554	
1,500.0	1,477.3	1,513.8	1,511.0	5.0	3.3	177.17	8.9	-5.1	195.9	189.5	6.49	30.199	
1,600.0	1,573.1	1,620.7	1,615.9	5.6	3.6	178.25	2.5	-25.1	205.1	198.1	7.00	29.300	
1,700.0	1,669.0	1,720.8	1,713.6	6.2	4.0	179.24	-4.1	-45.8	212.3	204.8	7.52	28.233	
1,800.0	1,764.8	1,820.5	1,810.9	6.8	4.4	-179.84	-10.7	-66.4	219.6	211.5	8.05	27.263	
1,900.0	1,860.7	1,920.2	1,908.2	7.4	4.8	-178.97	-17.3	-87.0	226.9	218.3	8.59	26.412	
2,000.0	1,956.6	2,019.8	2,005.5	8.0	5.2	-178.16	-23.9	-107.6	234.2	225.1	9.14	25.619	
2,100.0	2,052.4	2,119.5	2,102.8	8.6	5.6	-177.40	-30.4	-128.2	241.6	231.9	9.70	24.898	
2,200.0	2,148.3	2,219.2	2,200.1	9.2	6.1	-176.68	-37.0	-148.8	249.1	238.8	10.28	24.238	
2,300.0	2,244.1	2,318.9	2,297.4	9.8	6.5	-176.01	-43.6	-169.3	256.5	245.7	10.85	23.633	
2,400.0	2,340.0	2,418.5	2,394.7	10.4	7.0	-175.37	-50.2	-189.9	264.0	252.6	11.44	23.076	
2,500.0	2,435.9	2,518.2	2,492.0	11.0	7.4	-174.77	-56.8	-210.5	271.6	259.5	12.04	22.561	
2,600.0	2,531.7	2,617.9	2,589.3	11.6	7.9	-174.20	-63.4	-231.1	279.1	266.5	12.64	22.084	
2,700.0	2,627.6	2,717.6	2,686.6	12.2	8.3	-173.66	-70.0	-251.7	286.7	273.5	13.25	21.642	
2,800.0	2,723.4	2,817.2	2,783.9	12.8	8.8	-173.15	-76.6	-272.3	294.3	280.5	13.86	21.231	
2,900.0	2,819.3	2,916.9	2,881.2	13.4	9.2	-172.67	-83.2	-292.9	302.0	287.5	14.49	20.848	
3,000.0	2,915.2	3,016.6	2,978.5	14.1	9.7	-172.20	-89.8	-313.5	309.6	294.5	15.11	20.490	
3,100.0	3,011.0	3,116.3	3,075.8	14.7	10.2	-171.77	-96.4	-334.1	317.3	301.6	15.74	20.155	
3,200.0	3,106.9	3,215.9	3,173.1	15.3	10.6	-171.35	-102.9	-354.7	325.0	308.6	16.38	19.841	
3,300.0	3,202.7	3,315.6	3,270.4	15.9	11.1	-170.95	-109.5	-375.3	332.7	315.7	17.02	19.546	
3,400.0	3,298.6	3,415.3	3,367.7	16.5	11.6	-170.57	-116.1	-395.9	340.5	322.8	17.67	19.268	
3,500.0	3,394.5	3,515.0	3,465.0	17.1	12.1	-170.20	-122.7	-416.5	348.2	329.9	18.32	19.007	
3,600.0	3,490.3	3,614.6	3,562.3	17.7	12.5	-169.86	-129.3	-437.1	355.9	337.0	18.97	18.761	
3,700.0	3,586.2	3,714.3	3,659.6	18.3	13.0	-169.52	-135.9	-457.7	363.7	344.1	19.63	18.528	
3,800.0	3,682.1	3,814.0	3,756.9	18.9	13.5	-169.20	-142.5	-478.3	371.5	351.2	20.29	18.307	
3,900.0	3,777.9	3,913.7	3,854.2	19.6	13.9	-168.90	-149.1	-498.9	379.3	358.3	20.96	18.099	
4,000.0	3,873.8	4,013.4	3,951.5	20.2	14.4	-168.60	-155.7	-519.4	387.1	365.5	21.62	17.901	
4,100.0	3,969.6	4,113.0	4,048.8	20.8	14.9	-168.32	-162.3	-540.0	394.9	372.6	22.29	17.713	
4,200.0	4,065.5	4,212.7	4,146.1	21.4	15.4	-168.05	-168.9	-560.6	402.7	379.7	22.97	17.534	
4,300.0	4,161.4	4,312.4	4,243.4	22.0	15.8	-167.79	-175.5	-581.2	410.5	386.9	23.64	17.364	
4,400.0	4,257.2	4,412.1	4,340.7	22.6	16.3	-167.54	-182.0	-601.8	418.4	394.1	24.32	17.202	
4,500.0	4,353.1	4,511.7	4,438.0	23.2	16.8	-167.30	-188.6	-622.4	426.2	401.2	25.00	17.048	
4,600.0	4,448.9	4,611.4	4,535.3	23.8	17.3	-167.06	-195.2	-643.0	434.1	408.4	25.68	16.900	
4,700.0	4,544.8	4,711.1	4,632.6	24.5	17.7	-166.84	-201.8	-663.6	441.9	415.6	26.37	16.759	
4,800.0	4,640.7	4,810.8	4,729.9	25.1	18.2	-166.62	-208.4	-684.2	449.8	422.7	27.06	16.624	
4,900.0	4,736.5	4,910.4	4,827.3	25.7	18.7	-166.41	-215.0	-704.8	457.7	429.9	27.74	16.495	
5,000.0	4,832.4	5,010.1	4,924.6	26.3	19.2	-166.21	-221.6	-725.4	465.5	437.1	28.43	16.372	

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 B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix E-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	4,928.2	5,109.8	5,021.9	26.9	19.7	-166.01	-228.2	-746.0	473.4	444.3	29.13	16.253	
5,200.0	5,024.1	5,209.5	5,119.2	27.5	20.1	-165.83	-234.8	-766.6	481.3	451.5	29.82	16.140	
5,300.0	5,120.0	5,309.1	5,216.5	28.1	20.6	-165.64	-241.4	-787.2	489.2	458.7	30.52	16.031	
5,400.0	5,215.8	5,408.8	5,313.8	28.8	21.1	-165.46	-248.0	-807.8	497.1	465.9	31.21	15.926	
5,500.0	5,311.7	5,508.5	5,411.1	29.4	21.6	-165.29	-254.5	-828.4	505.0	473.1	31.91	15.825	
5,600.0	5,407.5	5,608.2	5,508.4	30.0	22.0	-165.13	-261.1	-849.0	512.9	480.3	32.61	15.728	
5,700.0	5,503.4	5,707.8	5,605.7	30.6	22.5	-164.96	-267.7	-869.5	520.8	487.5	33.31	15.634	
5,800.0	5,599.3	5,807.5	5,703.0	31.2	23.0	-164.81	-274.3	-890.1	528.7	494.7	34.01	15.544	
5,900.0	5,695.1	5,907.2	5,800.3	31.8	23.5	-164.66	-280.9	-910.7	536.6	501.9	34.72	15.457	
6,000.0	5,791.0	6,006.9	5,897.6	32.4	24.0	-164.51	-287.5	-931.3	544.6	509.1	35.42	15.374	
6,100.0	5,886.8	6,106.5	5,994.9	33.0	24.4	-164.36	-294.1	-951.9	552.5	516.4	36.13	15.293	
6,200.0	5,982.7	6,206.2	6,092.2	33.7	24.9	-164.23	-300.7	-972.5	560.4	523.6	36.83	15.215	
6,300.0	6,078.6	6,305.9	6,189.5	34.3	25.4	-164.09	-307.3	-993.1	568.3	530.8	37.54	15.139	
6,400.0	6,174.4	6,405.6	6,286.8	34.9	25.9	-163.96	-313.9	-1,013.7	576.3	538.0	38.25	15.066	
6,500.0	6,270.3	6,516.0	6,394.7	35.5	26.3	-164.47	-314.5	-1,036.6	583.4	544.7	38.66	15.089	
6,564.9	6,332.5	6,587.0	6,463.6	35.9	26.5	-165.64	-306.0	-1,051.3	587.1	548.5	38.55	15.228	
6,600.0	6,366.2	6,624.4	6,499.5	36.1	26.6	-176.08	-298.7	-1,059.0	589.0	550.6	38.34	15.360	
6,650.0	6,414.1	6,677.1	6,549.3	36.3	26.8	169.35	-285.3	-1,069.6	591.8	553.8	38.03	15.563	
6,700.0	6,461.7	6,728.8	6,597.1	36.6	26.9	156.29	-268.5	-1,079.9	594.9	557.2	37.73	15.768	
6,750.0	6,508.9	6,779.7	6,642.9	36.8	27.0	145.32	-248.5	-1,089.7	598.2	560.7	37.47	15.966	
6,800.0	6,555.3	6,829.8	6,686.4	37.0	27.1	136.37	-225.7	-1,099.2	601.6	564.3	37.26	16.144	
6,850.0	6,600.7	6,879.2	6,727.7	37.3	27.2	129.10	-200.2	-1,108.1	605.1	568.0	37.13	16.296	
6,900.0	6,645.0	6,927.8	6,766.6	37.5	27.3	123.15	-172.3	-1,116.6	608.8	571.7	37.09	16.413	
6,950.0	6,687.9	6,975.7	6,803.0	37.7	27.3	118.20	-142.2	-1,124.5	612.6	575.5	37.14	16.493	
7,000.0	6,729.2	7,023.0	6,837.0	37.8	27.4	114.03	-110.2	-1,132.0	616.4	579.2	37.28	16.536	
7,050.0	6,768.7	7,069.6	6,868.4	38.0	27.4	110.46	-76.4	-1,138.9	620.3	582.8	37.50	16.543	
7,100.0	6,806.1	7,115.7	6,897.2	38.2	27.5	107.37	-41.0	-1,145.3	624.2	586.4	37.79	16.518	
7,150.0	6,841.4	7,161.3	6,923.4	38.4	27.5	104.67	-4.2	-1,151.1	628.1	589.9	38.14	16.467	
7,200.0	6,874.4	7,206.3	6,947.1	38.5	27.6	102.30	33.8	-1,156.4	631.8	593.3	38.54	16.395	
7,250.0	6,904.9	7,250.0	6,967.7	38.7	27.6	100.21	71.9	-1,161.1	635.5	596.6	38.96	16.313	
7,300.0	6,932.7	7,295.1	6,986.6	38.8	27.7	98.34	112.7	-1,165.4	639.1	599.7	39.43	16.210	
7,350.0	6,957.6	7,338.9	7,002.5	39.0	27.8	96.70	153.3	-1,169.1	642.5	602.6	39.88	16.112	
7,400.0	6,979.7	7,382.3	7,015.9	39.1	27.8	95.24	194.5	-1,172.2	645.7	605.4	40.35	16.001	
7,450.0	6,998.8	7,425.4	7,026.7	39.2	27.9	93.96	236.1	-1,174.9	648.7	607.9	40.82	15.890	
7,500.0	7,014.7	7,468.2	7,035.0	39.4	28.0	92.85	278.0	-1,176.9	651.4	610.1	41.29	15.778	
7,550.0	7,027.5	7,510.7	7,040.8	39.5	28.1	91.89	320.1	-1,178.5	653.9	612.1	41.75	15.663	
7,600.0	7,037.0	7,550.0	7,043.9	39.7	28.3	91.11	359.3	-1,179.4	656.1	613.9	42.18	15.555	
7,650.0	7,043.2	7,595.1	7,045.0	39.8	28.4	90.42	404.3	-1,180.0	657.9	615.3	42.66	15.423	
7,700.0	7,046.0	7,644.9	7,044.7	40.0	28.6	89.99	454.2	-1,180.3	659.1	615.9	43.21	15.255	
7,736.1	7,046.0	7,681.0	7,044.5	40.1	28.8	89.95	490.2	-1,180.6	659.4	615.7	43.64	15.111	
7,764.8	7,045.3	7,709.7	7,044.3	40.2	28.9	90.00	519.0	-1,180.7	659.4	615.2	44.20	14.918	
7,800.0	7,044.4	7,744.9	7,044.1	40.3	29.1	90.06	554.2	-1,181.0	659.4	614.4	44.92	14.680	
7,900.0	7,042.0	7,844.9	7,043.5	40.7	29.7	90.22	654.1	-1,181.6	659.4	612.3	47.08	14.006	
8,000.0	7,039.5	7,944.9	7,042.9	41.3	30.5	90.38	754.1	-1,182.2	659.4	609.9	49.45	13.335	
8,100.0	7,037.0	8,044.9	7,042.2	41.8	31.4	90.54	854.1	-1,182.8	659.4	607.4	51.99	12.682	
8,200.0	7,034.6	8,144.9	7,041.6	42.5	32.5	90.70	954.1	-1,183.5	659.4	604.7	54.70	12.055	
8,300.0	7,032.1	8,244.8	7,041.0	43.3	33.6	90.86	1,054.0	-1,184.1	659.4	601.9	57.54	11.461	
8,400.0	7,029.7	8,344.8	7,040.4	44.1	34.8	91.02	1,154.0	-1,184.7	659.5	599.0	60.49	10.903	
8,500.0	7,027.2	8,444.8	7,039.8	45.1	36.1	91.18	1,254.0	-1,185.4	659.5	596.0	63.54	10.380	
8,600.0	7,024.7	8,544.8	7,039.2	46.1	37.4	91.34	1,354.0	-1,186.0	659.5	592.9	66.67	9.893	
8,700.0	7,022.3	8,644.8	7,038.6	47.1	38.8	91.50	1,454.0	-1,186.6	659.6	589.7	69.88	9.439	
8,800.0	7,019.8	8,744.8	7,038.0	48.2	40.3	91.66	1,553.9	-1,187.2	659.6	586.5	73.15	9.018	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix E-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	7,017.4	8,844.7	7,037.4	49.4	41.7	91.82	1,653.9	-1,187.9	659.7	583.2	76.47	8.627	
9,000.0	7,014.9	8,944.7	7,036.7	50.7	43.3	91.98	1,753.9	-1,188.5	659.8	579.9	79.84	8.263	
9,100.0	7,012.4	9,044.7	7,036.1	52.0	44.8	92.15	1,853.9	-1,189.1	659.8	576.6	83.26	7.925	
9,200.0	7,010.0	9,144.7	7,035.5	53.3	46.4	92.31	1,953.9	-1,189.7	659.9	573.2	86.71	7.610	
9,300.0	7,007.5	9,244.7	7,034.9	54.7	48.0	92.47	2,053.8	-1,190.4	660.0	569.8	90.19	7.317	
9,400.0	7,005.1	9,344.6	7,034.3	56.1	49.7	92.63	2,153.8	-1,191.0	660.1	566.3	93.70	7.044	
9,500.0	7,002.6	9,444.6	7,033.7	57.5	51.3	92.79	2,253.8	-1,191.6	660.1	562.9	97.24	6.789	
9,600.0	7,000.1	9,544.6	7,033.1	59.0	53.0	92.95	2,353.8	-1,192.3	660.2	559.4	100.80	6.550	
9,700.0	6,997.7	9,644.6	7,032.5	60.5	54.7	93.11	2,453.8	-1,192.9	660.3	556.0	104.38	6.326	
9,800.0	6,995.2	9,744.6	7,031.9	62.0	56.4	93.27	2,553.7	-1,193.5	660.4	552.5	107.98	6.117	
9,900.0	6,992.8	9,844.6	7,031.3	63.6	58.1	93.43	2,653.7	-1,194.1	660.5	549.0	111.59	5.919	
10,000.0	6,990.3	9,944.5	7,030.6	65.1	59.9	93.59	2,753.7	-1,194.8	660.7	545.4	115.21	5.734	
10,100.0	6,987.8	10,044.5	7,030.0	66.7	61.6	93.75	2,853.7	-1,195.4	660.8	541.9	118.85	5.560	
10,200.0	6,985.4	10,144.5	7,029.4	68.3	63.4	93.91	2,953.7	-1,196.0	660.9	538.4	122.50	5.395	
10,300.0	6,982.9	10,244.5	7,028.8	70.0	65.1	94.07	3,053.6	-1,196.7	661.0	534.9	126.16	5.240	
10,400.0	6,980.4	10,344.5	7,028.2	71.6	66.9	94.23	3,153.6	-1,197.3	661.2	531.3	129.83	5.093	
10,500.0	6,978.0	10,444.5	7,027.6	73.3	68.7	94.39	3,253.6	-1,197.9	661.3	527.8	133.50	4.953	
10,600.0	6,975.5	10,544.4	7,027.0	74.9	70.5	94.55	3,353.6	-1,198.5	661.4	524.3	137.18	4.822	
10,700.0	6,973.1	10,644.4	7,026.4	76.6	72.3	94.71	3,453.5	-1,199.2	661.6	520.7	140.87	4.696	
10,800.0	6,970.6	10,744.4	7,025.8	78.3	74.1	94.87	3,553.5	-1,199.8	661.7	517.2	144.57	4.577	
10,900.0	6,968.1	10,844.4	7,025.1	80.0	75.9	95.03	3,653.5	-1,200.4	661.9	513.6	148.27	4.464	
11,000.0	6,965.7	10,944.4	7,024.5	81.7	77.7	95.19	3,753.5	-1,201.1	662.1	510.1	151.97	4.357	
11,100.0	6,963.2	11,044.4	7,023.9	83.5	79.5	95.34	3,853.5	-1,201.7	662.2	506.6	155.67	4.254	
11,200.0	6,960.8	11,144.3	7,023.3	85.2	81.4	95.50	3,953.4	-1,202.3	662.4	503.0	159.38	4.156	
11,300.0	6,958.3	11,244.3	7,022.7	87.0	83.2	95.66	4,053.4	-1,202.9	662.6	499.5	163.10	4.063	
11,400.0	6,955.8	11,344.3	7,022.1	88.7	85.0	95.82	4,153.4	-1,203.6	662.8	496.0	166.81	3.973	
11,500.0	6,953.4	11,444.3	7,021.5	90.5	86.9	95.98	4,253.4	-1,204.2	663.0	492.4	170.53	3.888	
11,600.0	6,950.9	11,544.3	7,020.9	92.2	88.7	96.14	4,353.4	-1,204.8	663.2	488.9	174.24	3.806	
11,700.0	6,948.5	11,644.3	7,020.3	94.0	90.5	96.30	4,453.3	-1,205.5	663.4	485.4	177.96	3.728	
11,792.8	6,946.2	11,676.3	7,020.1	95.7	91.1	96.35	4,485.4	-1,205.7	666.3	486.0	180.29	3.696	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix F-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	0.0	0.0	0.0	0.0	59.27	30.6	51.5	59.9				
100.0	100.0	100.0	100.0	0.1	0.1	59.27	30.6	51.5	59.9	59.7	0.22	266.475	
200.0	200.0	200.0	200.0	0.3	0.3	59.27	30.6	51.5	59.9	59.2	0.67	88.825	
300.0	300.0	300.0	300.0	0.6	0.6	59.27	30.6	51.5	59.9	58.8	1.12	53.295	
400.0	400.0	400.0	400.0	0.8	0.8	59.27	30.6	51.5	59.9	58.3	1.57	38.068	CC, ES
500.0	500.0	500.0	500.0	1.0	1.0	158.47	30.6	51.5	61.5	59.5	2.01	30.587	
600.0	599.8	599.8	599.8	1.2	1.2	160.10	30.6	51.5	66.4	64.0	2.44	27.166	
700.0	699.5	699.5	699.5	1.4	1.5	162.32	30.6	51.5	74.7	71.8	2.89	25.878	
800.0	798.7	798.7	798.7	1.7	1.7	164.72	30.6	51.5	86.4	83.0	3.33	25.933	
900.0	897.5	897.5	897.5	2.0	1.9	166.97	30.6	51.5	101.5	97.8	3.78	26.882	
1,000.0	995.6	995.6	995.6	2.4	2.1	168.95	30.6	51.5	120.2	116.0	4.23	28.448	
1,100.0	1,093.1	1,093.1	1,093.1	2.8	2.3	170.61	30.6	51.5	142.4	137.7	4.68	30.450	
1,200.0	1,189.6	1,189.6	1,189.6	3.3	2.6	171.98	30.6	51.5	168.0	162.9	5.13	32.766	
1,227.2	1,215.7	1,216.7	1,216.7	3.5	2.6	172.32	30.6	51.4	175.5	170.2	5.25	33.438	
1,300.0	1,285.5	1,291.7	1,291.7	3.9	2.8	173.25	30.0	50.2	194.8	189.2	5.58	34.891	
1,400.0	1,381.4	1,396.3	1,396.1	4.4	3.0	174.42	27.8	45.4	218.3	212.3	6.03	36.200	
1,500.0	1,477.3	1,502.4	1,501.9	5.0	3.2	175.55	24.0	37.0	238.4	231.9	6.50	36.700	
1,600.0	1,573.1	1,610.0	1,608.6	5.6	3.4	176.69	18.5	24.8	255.0	248.0	6.98	36.529	
1,700.0	1,669.0	1,717.6	1,714.8	6.2	3.7	177.89	11.3	9.1	268.0	260.5	7.48	35.827	
1,800.0	1,764.8	1,816.8	1,812.4	6.8	4.0	178.96	4.1	-6.8	279.7	271.7	7.98	35.039	
1,900.0	1,860.7	1,916.0	1,910.1	7.4	4.3	179.94	-3.1	-22.7	291.5	283.0	8.50	34.296	
2,000.0	1,956.6	2,015.1	2,007.7	8.0	4.7	-179.15	-10.4	-38.6	303.3	294.3	9.03	33.611	
2,100.0	2,052.4	2,114.3	2,105.3	8.6	5.0	-178.31	-17.6	-54.4	315.3	305.7	9.56	32.970	
2,200.0	2,148.3	2,213.5	2,203.0	9.2	5.3	-177.53	-24.8	-70.3	327.3	317.2	10.11	32.373	
2,300.0	2,244.1	2,312.7	2,300.6	9.8	5.7	-176.80	-32.0	-86.2	339.3	328.7	10.67	31.815	
2,400.0	2,340.0	2,411.9	2,398.3	10.4	6.1	-176.13	-39.2	-102.0	351.4	340.2	11.23	31.294	
2,500.0	2,435.9	2,511.1	2,495.9	11.0	6.4	-175.50	-46.5	-117.9	363.6	351.8	11.80	30.807	
2,600.0	2,531.7	2,610.2	2,593.5	11.6	6.8	-174.91	-53.7	-133.8	375.8	363.4	12.38	30.351	
2,700.0	2,627.6	2,709.4	2,691.2	12.2	7.2	-174.36	-60.9	-149.7	388.0	375.0	12.97	29.923	
2,800.0	2,723.4	2,808.6	2,788.8	12.8	7.5	-173.84	-68.1	-165.5	400.3	386.7	13.56	29.522	
2,900.0	2,819.3	2,907.8	2,886.4	13.4	7.9	-173.36	-75.3	-181.4	412.5	398.4	14.16	29.144	
3,000.0	2,915.2	3,007.0	2,984.1	14.1	8.3	-172.90	-82.6	-197.3	424.9	410.1	14.76	28.789	
3,100.0	3,011.0	3,106.2	3,081.7	14.7	8.7	-172.46	-89.8	-213.2	437.2	421.8	15.36	28.455	
3,200.0	3,106.9	3,205.3	3,179.4	15.3	9.1	-172.05	-97.0	-229.0	449.6	433.6	15.98	28.139	
3,300.0	3,202.7	3,304.5	3,277.0	15.9	9.5	-171.67	-104.2	-244.9	461.9	445.4	16.59	27.841	
3,400.0	3,298.6	3,403.7	3,374.6	16.5	9.9	-171.30	-111.5	-260.8	474.4	457.1	17.21	27.559	
3,500.0	3,394.5	3,502.9	3,472.3	17.1	10.3	-170.95	-118.7	-276.6	486.8	468.9	17.84	27.293	
3,600.0	3,490.3	3,602.1	3,569.9	17.7	10.7	-170.62	-125.9	-292.5	499.2	480.8	18.46	27.040	
3,700.0	3,586.2	3,701.3	3,667.6	18.3	11.1	-170.30	-133.1	-308.4	511.7	492.6	19.09	26.801	
3,800.0	3,682.1	3,800.4	3,765.2	18.9	11.4	-170.00	-140.3	-324.3	524.1	504.4	19.72	26.573	
3,900.0	3,777.9	3,899.6	3,862.8	19.6	11.8	-169.72	-147.6	-340.1	536.6	516.3	20.36	26.357	
4,000.0	3,873.8	3,998.8	3,960.5	20.2	12.2	-169.45	-154.8	-356.0	549.1	528.1	21.00	26.152	
4,100.0	3,969.6	4,098.0	4,058.1	20.8	12.6	-169.18	-162.0	-371.9	561.6	540.0	21.64	25.956	
4,200.0	4,065.5	4,197.2	4,155.7	21.4	13.0	-168.93	-169.2	-387.8	574.2	551.9	22.28	25.769	
4,300.0	4,161.4	4,296.4	4,253.4	22.0	13.4	-168.70	-176.4	-403.6	586.7	563.8	22.93	25.591	
4,400.0	4,257.2	4,395.5	4,351.0	22.6	13.8	-168.47	-183.7	-419.5	599.2	575.6	23.57	25.421	
4,500.0	4,353.1	4,494.7	4,448.7	23.2	14.2	-168.25	-190.9	-435.4	611.8	587.5	24.22	25.258	
4,600.0	4,448.9	4,593.9	4,546.3	23.8	14.6	-168.04	-198.1	-451.2	624.3	599.5	24.87	25.103	
4,700.0	4,544.8	4,693.1	4,643.9	24.5	15.0	-167.83	-205.3	-467.1	636.9	611.4	25.52	24.954	
4,800.0	4,640.7	4,792.3	4,741.6	25.1	15.4	-167.64	-212.5	-483.0	649.5	623.3	26.18	24.812	
4,900.0	4,736.5	4,891.5	4,839.2	25.7	15.8	-167.45	-219.8	-498.9	662.0	635.2	26.83	24.675	
5,000.0	4,832.4	4,990.6	4,936.8	26.3	16.2	-167.27	-227.0	-514.7	674.6	647.1	27.49	24.544	

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 B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix F-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
5,100.0	4,928.2	5,089.8	5,034.5	26.9	16.6	-167.10	-234.2	-530.6	687.2	659.1	28.14	24.418	
5,200.0	5,024.1	5,189.0	5,132.1	27.5	17.0	-166.93	-241.4	-546.5	699.8	671.0	28.80	24.297	
5,300.0	5,120.0	5,288.2	5,229.8	28.1	17.5	-166.77	-248.6	-562.3	712.4	683.0	29.46	24.180	
5,400.0	5,215.8	5,387.4	5,327.4	28.8	17.9	-166.61	-255.9	-578.2	725.0	694.9	30.12	24.068	
5,500.0	5,311.7	5,486.5	5,425.0	29.4	18.3	-166.46	-263.1	-594.1	737.7	706.9	30.79	23.960	
5,600.0	5,407.5	5,585.7	5,522.7	30.0	18.7	-166.32	-270.3	-610.0	750.3	718.8	31.45	23.856	
5,700.0	5,503.4	5,684.9	5,620.3	30.6	19.1	-166.18	-277.5	-625.8	762.9	730.8	32.11	23.756	
5,800.0	5,599.3	5,784.1	5,717.9	31.2	19.5	-166.04	-284.8	-641.7	775.5	742.7	32.78	23.660	
5,900.0	5,695.1	5,883.3	5,815.6	31.8	19.9	-165.91	-292.0	-657.6	788.2	754.7	33.44	23.566	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**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	0.0	0.0	0.0	0.0	-3.15	146.5	-8.1	146.7				
100.0	100.0	100.0	100.0	0.1	0.1	-3.15	146.5	-8.1	146.7	146.5	0.22	652.577	
200.0	200.0	200.0	200.0	0.3	0.3	-3.15	146.5	-8.1	146.7	146.0	0.67	217.526	
300.0	300.0	300.0	300.0	0.6	0.6	-3.15	146.5	-8.1	146.7	145.6	1.12	130.515	
400.0	400.0	400.0	400.0	0.8	0.8	-3.15	146.5	-8.1	146.7	145.1	1.57	93.225	CC
500.0	500.0	500.0	500.0	1.0	1.0	96.12	146.5	-8.1	146.9	144.8	2.01	73.091	ES
600.0	599.8	599.8	599.8	1.2	1.2	98.13	146.5	-8.1	147.5	145.1	2.45	60.328	
700.0	699.5	699.5	699.5	1.4	1.5	101.40	146.5	-8.1	149.0	146.1	2.90	51.304	
800.0	798.7	798.7	798.7	1.7	1.7	105.83	146.5	-8.1	151.9	148.5	3.39	44.775	
900.0	897.5	897.5	897.5	2.0	1.9	111.18	146.5	-8.1	156.9	153.0	3.91	40.120	
1,000.0	995.6	995.6	995.6	2.4	2.1	117.14	146.5	-8.1	164.9	160.4	4.46	36.999	
1,100.0	1,093.1	1,093.1	1,093.1	2.8	2.3	123.34	146.5	-8.1	176.4	171.4	5.01	35.182	
1,200.0	1,189.6	1,189.6	1,189.6	3.3	2.6	129.43	146.5	-8.1	192.1	186.6	5.57	34.468	
1,227.2	1,215.7	1,215.7	1,215.7	3.5	2.6	131.02	146.5	-8.1	197.2	191.5	5.73	34.440	
1,300.0	1,285.5	1,285.5	1,285.5	3.9	2.8	135.17	146.5	-8.1	211.7	205.5	6.12	34.567	
1,400.0	1,381.4	1,381.4	1,381.4	4.4	3.0	140.03	146.5	-8.1	233.1	226.5	6.65	35.055	
1,500.0	1,477.3	1,477.3	1,477.3	5.0	3.2	144.07	146.5	-8.1	255.9	248.8	7.16	35.753	
1,600.0	1,573.1	1,573.1	1,573.1	5.6	3.4	147.45	146.5	-8.1	279.8	272.1	7.65	36.553	
1,700.0	1,669.0	1,669.0	1,669.0	6.2	3.6	150.31	146.5	-8.1	304.4	296.3	8.14	37.389	
1,800.0	1,764.8	1,764.8	1,764.8	6.8	3.9	152.74	146.5	-8.1	329.7	321.1	8.63	38.224	
1,900.0	1,860.7	1,860.7	1,860.7	7.4	4.1	154.83	146.5	-8.1	355.5	346.4	9.11	39.033	
2,000.0	1,956.6	1,956.6	1,956.6	8.0	4.3	156.63	146.5	-8.1	381.6	372.0	9.59	39.806	
2,100.0	2,052.4	2,052.4	2,052.4	8.6	4.5	158.21	146.5	-8.1	408.1	398.0	10.07	40.537	
2,200.0	2,148.3	2,148.3	2,148.3	9.2	4.7	159.60	146.5	-8.1	434.8	424.2	10.55	41.223	
2,300.0	2,244.1	2,244.1	2,244.1	9.8	4.9	160.82	146.5	-8.1	461.7	450.7	11.03	41.865	
2,400.0	2,340.0	2,340.0	2,340.0	10.4	5.1	161.92	146.5	-8.1	488.8	477.3	11.51	42.465	
2,500.0	2,435.9	2,435.9	2,435.9	11.0	5.4	162.89	146.5	-8.1	516.0	504.0	11.99	43.024	
2,600.0	2,531.7	2,538.6	2,538.6	11.6	5.6	163.84	146.3	-8.3	543.2	530.7	12.48	43.525	
2,700.0	2,627.6	2,656.8	2,656.7	12.2	5.8	164.95	143.5	-11.2	567.6	554.6	12.95	43.829	
2,800.0	2,723.4	2,776.7	2,776.3	12.8	6.0	166.15	137.2	-17.7	588.4	575.0	13.41	43.888	
2,900.0	2,819.3	2,898.2	2,896.9	13.4	6.3	167.44	127.4	-28.1	605.5	591.6	13.87	43.668	
3,000.0	2,915.2	3,020.6	3,017.8	14.1	6.5	168.85	113.9	-42.2	619.0	604.6	14.33	43.182	
3,100.0	3,011.0	3,143.7	3,138.3	14.7	6.8	170.39	96.7	-60.2	628.8	614.0	14.81	42.448	
3,200.0	3,106.9	3,250.0	3,241.7	15.3	7.2	171.81	79.6	-78.1	636.0	620.8	15.29	41.607	
3,300.0	3,202.7	3,348.7	3,337.6	15.9	7.5	173.11	63.5	-95.0	643.4	627.7	15.77	40.801	
3,400.0	3,298.6	3,447.3	3,433.4	16.5	7.8	174.38	47.4	-111.8	651.1	634.9	16.27	40.012	
3,500.0	3,394.5	3,546.0	3,529.3	17.1	8.1	175.61	31.4	-128.6	659.2	642.4	16.80	39.242	
3,600.0	3,490.3	3,644.7	3,625.2	17.7	8.5	176.82	15.3	-145.5	667.5	650.1	17.34	38.487	
3,700.0	3,586.2	3,743.3	3,721.0	18.3	8.9	178.00	-0.8	-162.3	676.1	658.2	17.91	37.748	
3,800.0	3,682.1	3,842.0	3,816.9	18.9	9.3	179.15	-16.9	-179.1	685.0	666.5	18.50	37.025	
3,900.0	3,777.9	3,940.6	3,912.8	19.6	9.7	-179.73	-32.9	-196.0	694.2	675.1	19.11	36.317	
4,000.0	3,873.8	4,039.3	4,008.6	20.2	10.1	-178.64	-49.0	-212.8	703.6	683.9	19.75	35.626	
4,100.0	3,969.6	4,137.9	4,104.5	20.8	10.5	-177.58	-65.1	-229.6	713.3	692.9	20.41	34.953	
4,200.0	4,065.5	4,236.6	4,200.4	21.4	10.9	-176.54	-81.1	-246.5	723.2	702.2	21.09	34.297	
4,300.0	4,161.4	4,335.2	4,296.2	22.0	11.4	-175.54	-97.2	-263.3	733.4	711.6	21.79	33.660	
4,400.0	4,257.2	4,433.9	4,392.1	22.6	11.8	-174.56	-113.3	-280.1	743.8	721.3	22.51	33.043	
4,500.0	4,353.1	4,532.5	4,488.0	23.2	12.3	-173.61	-129.4	-297.0	754.4	731.1	23.25	32.445	
4,600.0	4,448.9	4,631.2	4,583.8	23.8	12.7	-172.68	-145.4	-313.8	765.2	741.2	24.01	31.868	
4,700.0	4,544.8	4,729.8	4,679.7	24.5	13.2	-171.78	-161.5	-330.7	776.2	751.4	24.79	31.310	
4,800.0	4,640.7	4,828.5	4,775.6	25.1	13.6	-170.91	-177.6	-347.5	787.3	761.8	25.58	30.774	
4,900.0	4,736.5	4,927.1	4,871.4	25.7	14.1	-170.06	-193.6	-364.3	798.7	772.3	26.40	30.257	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**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	0.0	0.0	0.0	0.0	1.76	154.1	4.7	154.2				
100.0	100.0	100.0	100.0	0.1	0.1	1.76	154.1	4.7	154.2	153.9	0.22	685.931	
200.0	200.0	200.0	200.0	0.3	0.3	1.76	154.1	4.7	154.2	153.5	0.67	228.644	CC, ES
300.0	300.0	294.9	294.8	0.6	0.6	1.74	155.7	4.7	155.8	154.7	1.11	140.126	
400.0	400.0	393.3	393.2	0.8	0.8	1.70	159.7	4.7	159.9	158.4	1.56	102.406	
500.0	500.0	493.2	493.0	1.0	1.0	100.76	164.0	4.7	164.5	162.5	2.00	82.082	
600.0	599.8	592.9	592.7	1.2	1.2	102.34	168.2	4.7	169.8	167.3	2.44	69.562	
700.0	699.5	692.4	692.0	1.4	1.5	104.89	172.4	4.7	176.1	173.2	2.90	60.704	
800.0	798.7	791.5	791.0	1.7	1.7	108.24	176.6	4.7	183.8	180.4	3.39	54.228	
900.0	897.5	890.1	889.5	2.0	1.9	112.22	180.8	4.7	193.4	189.5	3.91	49.472	
1,000.0	995.6	988.0	987.4	2.4	2.2	116.58	184.9	4.7	205.6	201.1	4.46	46.068	
1,100.0	1,093.1	1,085.2	1,084.5	2.8	2.4	121.13	189.1	4.7	220.6	215.6	5.04	43.785	
1,200.0	1,189.6	1,181.6	1,180.7	3.3	2.6	125.66	193.1	4.7	239.1	233.5	5.63	42.445	
1,227.2	1,215.7	1,207.6	1,206.7	3.5	2.7	126.86	194.2	4.7	244.7	238.9	5.80	42.220	
1,300.0	1,285.5	1,277.2	1,276.3	3.9	2.8	130.12	197.2	4.7	260.6	254.4	6.23	41.819	
1,400.0	1,381.4	1,372.8	1,371.8	4.4	3.1	134.00	201.2	4.7	283.6	276.8	6.81	41.618	SF
1,500.0	1,477.3	1,476.3	1,475.2	5.0	3.3	137.75	204.0	4.7	306.6	299.2	7.33	41.794	
1,600.0	1,573.1	1,574.1	1,573.1	5.6	3.4	141.10	204.1	4.7	328.7	320.8	7.84	41.947	
1,700.0	1,669.0	1,670.0	1,669.0	6.2	3.6	143.97	204.1	4.7	351.6	343.3	8.34	42.138	
1,800.0	1,764.8	1,765.9	1,764.8	6.8	3.9	146.50	204.1	4.7	375.3	366.5	8.85	42.412	
1,900.0	1,860.7	1,861.7	1,860.7	7.4	4.1	148.73	204.1	4.7	399.7	390.3	9.35	42.760	
2,000.0	1,956.6	1,957.6	1,956.6	8.0	4.3	150.70	204.1	4.7	424.5	414.7	9.84	43.151	
2,100.0	2,052.4	2,053.4	2,052.4	8.6	4.5	152.46	204.1	4.7	449.8	439.5	10.32	43.564	
2,200.0	2,148.3	2,149.3	2,148.3	9.2	4.7	154.04	204.1	4.7	475.4	464.6	10.81	43.984	
2,300.0	2,244.1	2,245.2	2,244.1	9.8	4.9	155.45	204.1	4.7	501.4	490.1	11.29	44.402	
2,400.0	2,340.0	2,341.0	2,340.0	10.4	5.1	156.73	204.1	4.7	527.6	515.8	11.77	44.812	
2,500.0	2,435.9	2,436.9	2,435.9	11.0	5.3	157.88	204.1	4.7	554.0	541.7	12.25	45.209	
2,600.0	2,531.7	2,532.7	2,531.7	11.6	5.5	158.94	204.1	4.7	580.6	567.9	12.74	45.591	
2,700.0	2,627.6	2,628.6	2,627.6	12.2	5.8	159.90	204.1	4.7	607.4	594.2	13.22	45.956	
2,800.0	2,723.4	2,724.5	2,723.4	12.8	6.0	160.78	204.1	4.7	634.4	620.7	13.70	46.305	
2,900.0	2,819.3	2,820.3	2,819.3	13.4	6.2	161.59	204.1	4.7	661.4	647.2	14.18	46.636	
3,000.0	2,915.2	2,916.2	2,915.2	14.1	6.4	162.33	204.1	4.7	688.6	673.9	14.67	46.951	
3,100.0	3,011.0	3,014.8	3,013.8	14.7	6.6	163.04	204.1	4.7	715.9	700.7	15.15	47.260	
3,200.0	3,106.9	3,131.3	3,130.2	15.3	6.8	163.99	201.2	3.7	741.5	725.9	15.59	47.561	
3,300.0	3,202.7	3,248.6	3,247.3	15.9	7.0	165.13	193.8	1.2	764.7	748.7	16.02	47.749	
3,400.0	3,298.6	3,366.4	3,364.4	16.5	7.2	166.47	181.8	-2.8	785.4	769.0	16.43	47.820	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**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	6.28	161.7	17.8	162.7				
100.0	100.0	99.0	99.0	0.1	0.1	6.28	161.7	17.8	162.7	162.5	0.22	727.610	
200.0	200.0	199.0	199.0	0.3	0.3	6.28	161.7	17.8	162.7	162.1	0.67	242.133	
300.0	300.0	299.0	299.0	0.6	0.6	6.28	161.7	17.8	162.7	161.6	1.12	145.086	
400.0	400.0	399.0	399.0	0.8	0.8	6.28	161.7	17.8	162.7	161.2	1.57	103.573	CC, ES
500.0	500.0	499.0	499.0	1.0	1.0	105.47	161.7	17.8	163.2	161.2	2.01	81.302	
600.0	599.8	598.8	598.8	1.2	1.2	107.19	161.7	17.8	164.7	162.2	2.44	67.406	
700.0	699.5	698.5	698.5	1.4	1.5	109.98	161.7	17.8	167.4	164.5	2.90	57.740	
800.0	798.7	797.7	797.7	1.7	1.7	113.69	161.7	17.8	172.0	168.6	3.38	50.843	
900.0	897.5	896.5	896.5	2.0	1.9	118.12	161.7	17.8	178.9	175.0	3.89	45.954	
1,000.0	995.6	994.6	994.6	2.4	2.1	123.00	161.7	17.8	188.8	184.3	4.43	42.645	
1,100.0	1,093.1	1,092.1	1,092.1	2.8	2.3	128.06	161.7	17.8	202.1	197.1	4.97	40.629	
1,200.0	1,189.6	1,188.6	1,188.6	3.3	2.6	133.04	161.7	17.8	219.3	213.7	5.53	39.682	
1,227.2	1,215.7	1,214.7	1,214.7	3.5	2.6	134.35	161.7	17.8	224.6	219.0	5.67	39.583	
1,300.0	1,285.5	1,284.5	1,284.5	3.9	2.8	137.83	161.7	17.8	239.9	233.8	6.07	39.502	SF
1,400.0	1,381.4	1,380.4	1,380.4	4.4	3.0	141.95	161.7	17.8	262.0	255.4	6.60	39.689	
1,500.0	1,477.3	1,476.3	1,476.3	5.0	3.2	145.43	161.7	17.8	285.3	278.2	7.12	40.089	
1,600.0	1,573.1	1,572.1	1,572.1	5.6	3.4	148.39	161.7	17.8	309.5	301.9	7.62	40.608	
1,700.0	1,669.0	1,668.0	1,668.0	6.2	3.6	150.92	161.7	17.8	334.3	326.2	8.12	41.185	
1,800.0	1,764.8	1,763.8	1,763.8	6.8	3.9	153.11	161.7	17.8	359.7	351.1	8.61	41.783	
1,900.0	1,860.7	1,859.7	1,859.7	7.4	4.1	155.01	161.7	17.8	385.5	376.4	9.10	42.379	
2,000.0	1,956.6	1,955.6	1,955.6	8.0	4.3	156.67	161.7	17.8	411.7	402.1	9.58	42.960	
2,100.0	2,052.4	2,051.4	2,051.4	8.6	4.5	158.14	161.7	17.8	438.1	428.0	10.07	43.517	
2,200.0	2,148.3	2,147.3	2,147.3	9.2	4.7	159.44	161.7	17.8	464.8	454.3	10.55	44.046	
2,300.0	2,244.1	2,243.1	2,243.1	9.8	4.9	160.60	161.7	17.8	491.7	480.7	11.04	44.547	
2,400.0	2,340.0	2,339.0	2,339.0	10.4	5.1	161.64	161.7	17.8	518.8	507.2	11.52	45.017	
2,500.0	2,435.9	2,434.9	2,434.9	11.0	5.4	162.58	161.7	17.8	546.0	533.9	12.01	45.459	
2,600.0	2,531.7	2,530.7	2,530.7	11.6	5.6	163.43	161.7	17.8	573.3	560.8	12.50	45.874	
2,700.0	2,627.6	2,626.6	2,626.6	12.2	5.8	164.20	161.7	17.8	600.7	587.7	12.99	46.262	
2,800.0	2,723.4	2,725.0	2,725.0	12.8	6.0	164.93	161.6	17.8	628.2	614.7	13.47	46.634	
2,900.0	2,819.3	2,831.9	2,831.8	13.4	6.2	165.88	158.7	17.6	654.6	640.7	13.92	47.011	
3,000.0	2,915.2	2,939.0	2,938.7	14.1	6.4	167.06	151.8	17.0	679.6	665.3	14.34	47.377	
3,100.0	3,011.0	3,045.9	3,045.1	14.7	6.6	168.46	141.0	16.2	703.3	688.5	14.76	47.650	
3,200.0	3,106.9	3,152.4	3,150.6	15.3	6.8	170.03	126.2	15.1	725.9	710.7	15.18	47.820	
3,300.0	3,202.7	3,254.6	3,251.2	15.9	7.0	171.70	108.6	13.7	747.7	732.1	15.61	47.898	
3,400.0	3,298.6	3,350.0	3,345.0	16.5	7.2	173.22	91.4	12.4	769.7	753.7	16.06	47.923	
3,500.0	3,394.5	3,445.5	3,438.9	17.1	7.4	174.66	74.2	11.0	792.3	775.8	16.54	47.909	

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 B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**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	0.0	0.0	0.0	0.0	-57.99	77.6	-124.1	146.4				
100.0	100.0	100.0	100.0	0.1	0.1	-57.99	77.6	-124.1	146.4	146.2	0.22	651.274	
200.0	200.0	200.0	200.0	0.3	0.3	-57.99	77.6	-124.1	146.4	145.7	0.67	217.091	
300.0	300.0	300.0	300.0	0.6	0.6	-57.99	77.6	-124.1	146.4	145.3	1.12	130.255	
400.0	400.0	400.0	400.0	0.8	0.8	-57.99	77.6	-124.1	146.4	144.8	1.57	93.039	
500.0	500.0	500.0	500.0	1.0	1.0	41.08	77.6	-124.1	145.1	143.1	2.01	72.164	
600.0	599.8	599.8	599.8	1.2	1.2	42.53	77.6	-124.1	141.2	138.7	2.44	57.743	
700.0	699.5	699.5	699.5	1.4	1.5	45.12	77.6	-124.1	134.9	132.0	2.90	46.579	
800.0	798.7	798.7	798.7	1.7	1.7	49.14	77.6	-124.1	126.5	123.2	3.37	37.539	
900.0	897.5	897.5	897.5	2.0	1.9	55.06	77.6	-124.1	116.8	112.9	3.89	30.053	
1,000.0	995.6	995.6	995.6	2.4	2.1	63.52	77.6	-124.1	106.9	102.5	4.47	23.912	
1,100.0	1,093.1	1,093.1	1,093.1	2.8	2.3	75.16	77.6	-124.1	98.8	93.6	5.14	19.203	
1,200.0	1,189.6	1,189.6	1,189.6	3.3	2.6	89.92	77.6	-124.1	95.3	89.4	5.88	16.213	
1,200.5	1,190.2	1,190.2	1,190.2	3.3	2.6	90.00	77.6	-124.1	95.3	89.4	5.88	16.202	CC, ES
1,227.2	1,215.7	1,215.7	1,215.7	3.5	2.6	94.29	77.6	-124.1	95.6	89.5	6.07	15.735	
1,300.0	1,285.5	1,285.5	1,285.5	3.9	2.8	105.84	77.6	-124.1	99.4	92.8	6.56	15.148	SF
1,400.0	1,381.4	1,381.4	1,381.4	4.4	3.0	119.69	77.6	-124.1	110.9	103.8	7.10	15.606	
1,500.0	1,477.3	1,477.3	1,477.3	5.0	3.2	130.58	77.6	-124.1	127.8	120.2	7.55	16.931	
1,600.0	1,573.1	1,573.1	1,573.1	5.6	3.4	138.82	77.6	-124.1	148.3	140.3	7.95	18.653	
1,700.0	1,669.0	1,669.0	1,669.0	6.2	3.6	145.03	77.6	-124.1	171.1	162.7	8.35	20.499	
1,800.0	1,764.8	1,764.8	1,764.8	6.8	3.9	149.77	77.6	-124.1	195.4	186.6	8.75	22.327	
1,900.0	1,860.7	1,860.7	1,860.7	7.4	4.1	153.46	77.6	-124.1	220.7	211.5	9.17	24.071	
2,000.0	1,956.6	1,956.6	1,956.6	8.0	4.3	156.40	77.6	-124.1	246.7	237.1	9.60	25.701	
2,100.0	2,052.4	2,052.4	2,052.4	8.6	4.5	158.78	77.6	-124.1	273.2	263.1	10.04	27.211	
2,200.0	2,148.3	2,148.3	2,148.3	9.2	4.7	160.74	77.6	-124.1	300.0	289.5	10.49	28.602	
2,300.0	2,244.1	2,244.1	2,244.1	9.8	4.9	162.38	77.6	-124.1	327.1	316.2	10.95	29.883	
2,400.0	2,340.0	2,340.0	2,340.0	10.4	5.1	163.77	77.6	-124.1	354.5	343.1	11.41	31.061	
2,500.0	2,435.9	2,435.9	2,435.9	11.0	5.4	164.96	77.6	-124.1	382.0	370.1	11.88	32.146	
2,600.0	2,531.7	2,531.2	2,531.2	11.6	5.6	166.01	77.5	-124.0	409.6	397.3	12.35	33.177	
2,700.0	2,627.6	2,624.9	2,624.8	12.2	5.7	167.23	75.2	-122.8	437.7	425.0	12.77	34.267	
2,800.0	2,723.4	2,717.7	2,717.5	12.8	5.9	168.68	70.4	-120.1	466.5	453.4	13.17	35.414	
2,900.0	2,819.3	2,809.4	2,808.8	13.4	6.1	170.31	63.0	-116.0	496.2	482.6	13.57	36.564	
3,000.0	2,915.2	2,900.0	2,898.7	14.1	6.3	172.06	53.2	-110.6	526.9	512.9	13.97	37.704	
3,100.0	3,011.0	2,989.4	2,987.1	14.7	6.4	173.89	41.2	-103.8	558.7	544.3	14.39	38.816	
3,200.0	3,106.9	3,082.3	3,078.6	15.3	6.6	175.71	27.7	-96.3	591.4	576.6	14.85	39.835	
3,300.0	3,202.7	3,175.2	3,170.2	15.9	6.9	177.34	14.2	-88.8	624.6	609.3	15.33	40.750	
3,400.0	3,298.6	3,268.0	3,261.8	16.5	7.1	178.81	0.7	-81.3	658.2	642.4	15.83	41.576	
3,500.0	3,394.5	3,360.9	3,353.3	17.1	7.3	-179.86	-12.8	-73.8	692.1	675.8	16.36	42.317	
3,600.0	3,490.3	3,453.8	3,444.9	17.7	7.6	-178.65	-26.3	-66.2	726.4	709.5	16.90	42.985	
3,700.0	3,586.2	3,546.6	3,536.5	18.3	7.9	-177.55	-39.8	-58.7	760.9	743.5	17.46	43.588	
3,800.0	3,682.1	3,639.5	3,628.1	18.9	8.1	-176.54	-53.2	-51.2	795.7	777.7	18.03	44.134	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

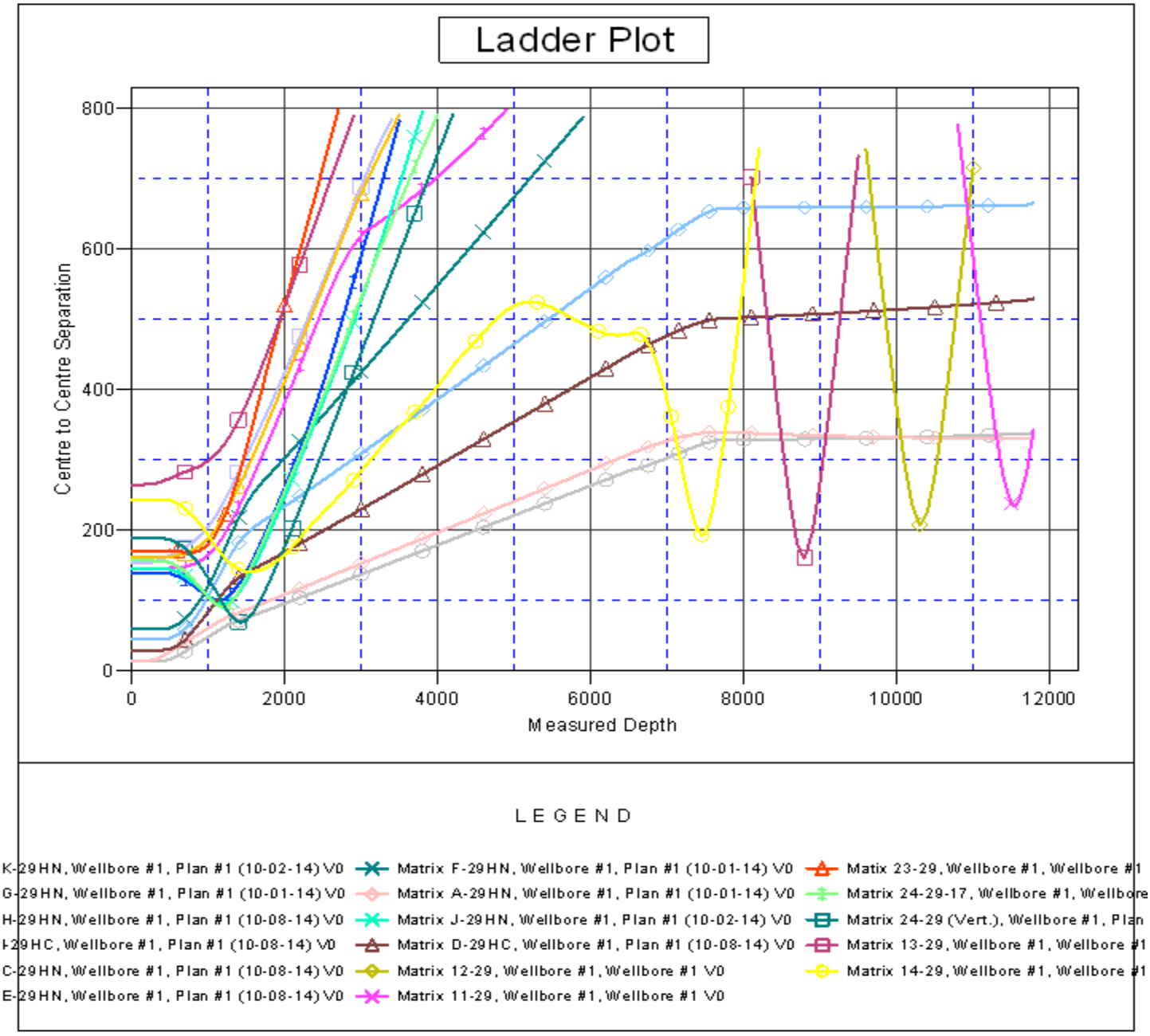
Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14) **Offset Site Error:** 0.0 ft

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	0.0	0.0	0.0	0.0	-52.56	85.3	-111.3	140.2				
100.0	100.0	100.0	100.0	0.1	0.1	-52.56	85.3	-111.3	140.2	140.0	0.22	623.824	
200.0	200.0	200.0	200.0	0.3	0.3	-52.56	85.3	-111.3	140.2	139.5	0.67	207.941	
300.0	300.0	300.0	300.0	0.6	0.6	-52.56	85.3	-111.3	140.2	139.1	1.12	124.765	
400.0	400.0	400.0	400.0	0.8	0.8	-52.56	85.3	-111.3	140.2	138.6	1.57	89.118	
500.0	500.0	500.0	500.0	1.0	1.0	46.58	85.3	-111.3	139.0	137.0	2.01	69.159	
600.0	599.8	599.8	599.8	1.2	1.2	48.24	85.3	-111.3	135.5	133.0	2.44	55.412	
700.0	699.5	699.5	699.5	1.4	1.5	51.19	85.3	-111.3	129.8	126.9	2.90	44.802	
800.0	798.7	798.7	798.7	1.7	1.7	55.74	85.3	-111.3	122.5	119.1	3.38	36.266	
900.0	897.5	897.5	897.5	2.0	1.9	62.31	85.3	-111.3	114.4	110.5	3.90	29.292	
1,000.0	995.6	995.6	995.6	2.4	2.1	71.40	85.3	-111.3	106.7	102.2	4.50	23.730	
1,100.0	1,093.1	1,093.1	1,093.1	2.8	2.3	83.30	85.3	-111.3	101.7	96.5	5.16	19.687	
1,148.9	1,140.4	1,140.4	1,140.4	3.1	2.5	90.00	85.3	-111.3	100.9	95.4	5.51	18.303	CC, ES
1,200.0	1,189.6	1,189.6	1,189.6	3.3	2.6	97.41	85.3	-111.3	101.9	96.0	5.86	17.377	
1,227.2	1,215.7	1,215.7	1,215.7	3.5	2.6	101.42	85.3	-111.3	103.2	97.1	6.05	17.064	
1,300.0	1,285.5	1,285.5	1,285.5	3.9	2.8	111.75	85.3	-111.3	109.3	102.8	6.50	16.827	SF
1,400.0	1,381.4	1,381.4	1,381.4	4.4	3.0	123.80	85.3	-111.3	123.1	116.1	7.02	17.533	
1,500.0	1,477.3	1,477.3	1,477.3	5.0	3.2	133.22	85.3	-111.3	141.4	133.9	7.47	18.914	
1,600.0	1,573.1	1,573.1	1,573.1	5.6	3.4	140.43	85.3	-111.3	162.6	154.7	7.89	20.592	
1,700.0	1,669.0	1,669.0	1,669.0	6.2	3.6	145.96	85.3	-111.3	185.7	177.4	8.31	22.351	
1,800.0	1,764.8	1,764.8	1,764.8	6.8	3.9	150.27	85.3	-111.3	210.2	201.5	8.73	24.079	
1,900.0	1,860.7	1,860.7	1,860.7	7.4	4.1	153.68	85.3	-111.3	235.6	226.4	9.16	25.722	
2,000.0	1,956.6	1,956.6	1,956.6	8.0	4.3	156.43	85.3	-111.3	261.6	252.0	9.60	27.258	
2,100.0	2,052.4	2,051.1	2,051.1	8.6	4.5	158.74	84.9	-111.0	288.2	278.2	10.03	28.745	
2,200.0	2,148.3	2,143.6	2,143.6	9.2	4.7	161.12	82.7	-108.8	316.0	305.6	10.42	30.327	
2,300.0	2,244.1	2,234.9	2,234.6	9.8	4.8	163.58	78.3	-104.6	345.2	334.4	10.79	31.989	
2,400.0	2,340.0	2,324.6	2,323.9	10.4	5.0	166.05	72.0	-98.6	376.2	365.0	11.17	33.686	
2,500.0	2,435.9	2,412.7	2,411.3	11.0	5.2	168.50	63.9	-90.7	408.9	397.3	11.55	35.402	
2,600.0	2,531.7	2,499.5	2,497.0	11.6	5.4	170.91	54.0	-81.2	443.5	431.6	11.95	37.114	
2,700.0	2,627.6	2,590.7	2,586.8	12.2	5.6	173.24	42.6	-70.2	479.6	467.2	12.39	38.718	
2,800.0	2,723.4	2,682.2	2,676.9	12.8	5.9	175.26	31.2	-59.2	516.2	503.4	12.85	40.172	
2,900.0	2,819.3	2,773.8	2,767.1	13.4	6.1	177.02	19.7	-48.2	553.4	540.0	13.34	41.475	
3,000.0	2,915.2	2,865.3	2,857.2	14.1	6.4	178.56	8.3	-37.1	590.9	577.1	13.85	42.666	
3,100.0	3,011.0	2,956.9	2,947.4	14.7	6.7	179.92	-3.2	-26.1	628.8	614.4	14.38	43.740	
3,200.0	3,106.9	3,048.4	3,037.6	15.3	6.9	-178.87	-14.6	-15.1	666.9	652.0	14.92	44.715	
3,300.0	3,202.7	3,140.0	3,127.7	15.9	7.2	-177.79	-26.0	-4.1	705.3	689.9	15.47	45.603	
3,400.0	3,298.6	3,231.5	3,217.9	16.5	7.5	-176.82	-37.5	6.9	743.9	727.9	16.03	46.416	
3,500.0	3,394.5	3,323.1	3,308.1	17.1	7.8	-175.94	-48.9	18.0	782.7	766.1	16.60	47.160	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 4730.5ft (RKB - 22.5')	Coordinates are relative to: Matrix B-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 B-29HN
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4730.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix B-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 (10-01-14)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 4730.5ft (RKB - 22.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

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