

Bayswater Exploration & Production, LLC

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

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

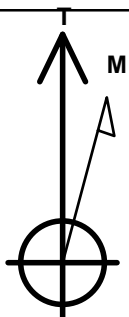
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4708.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1408840.91	3225730.56	40.452836	-104.688864	
RKB - 22.5' WELL @ 4730.5ft (RKB - 22.5')						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 502'FSL & 2186'FWL	1.0	0.0	0.0	Point
BHL 465'FNL, 2450'FWL	6946.0	4296.4	239.6	Point



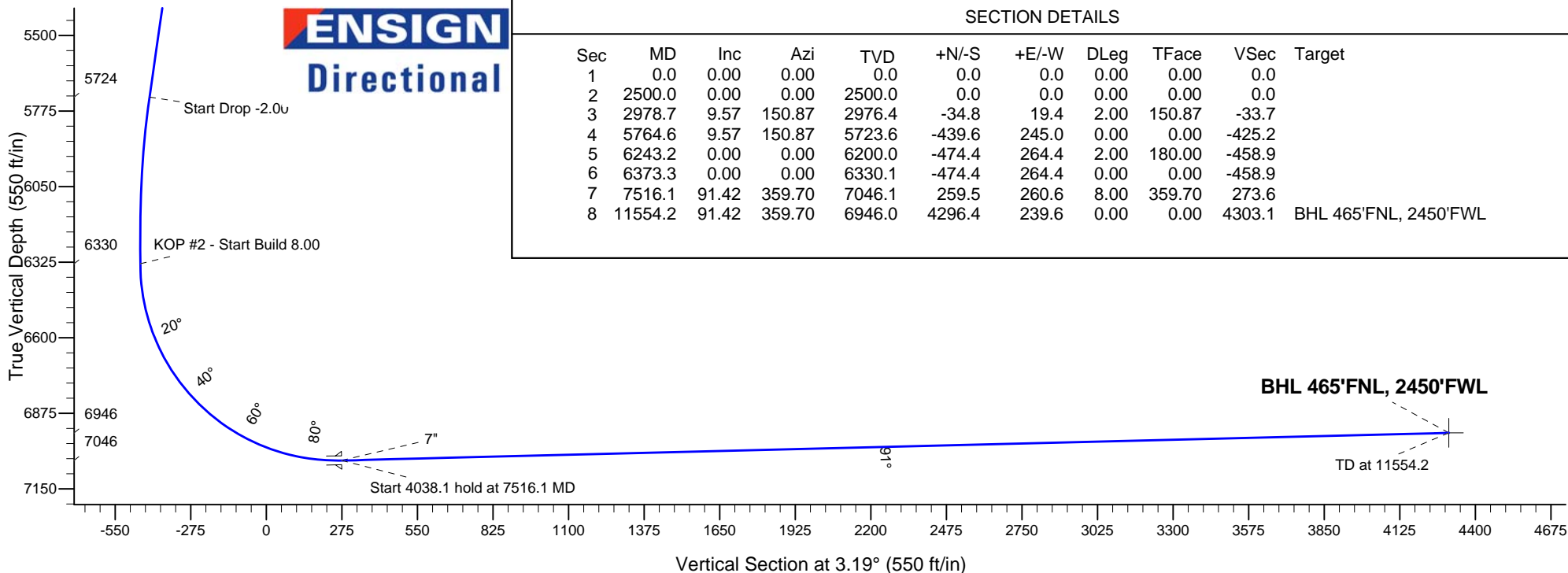
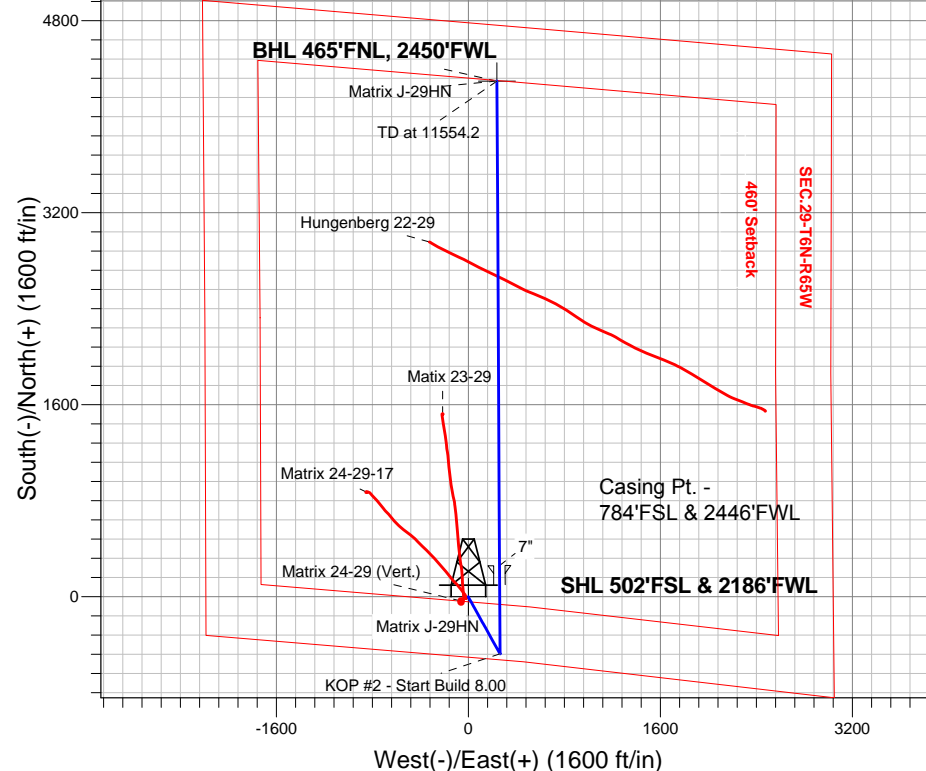
Azimuths to True North
Magnetic North: 8.38°

Magnetic Field
Strength: 52819.0nT
Dip Angle: 66.99°
Date: 10/6/2014
Model: IGRF2010

Matrix 29- Pad Sec.29-T6N-R65W
Matrix J-29HN
Plan #1 (10-02-14)
12:48, October 06 2014

ANNOTATIONS

TVD	MD	Annotation
2500.0	2500.0	KOP #1 - Start Build 2.00
5723.6	5764.6	Start Drop -2.00
6330.1	6373.3	KOP #2 - Start Build 8.00
7046.1	7516.1	Start 4038.1 hold at 7516.1 MD
6946.0	11554.2	TD at 11554.2





Bayswater Exploration & Production, LLC

SEC.29-T6N-R65W

Matrix 29- Pad Sec.29-T6N-R65W

Matrix J-29HN

Wellbore #1

Plan: Plan #1 (10-02-14)

Standard Planning Report

06 October, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	Landmark	Local Co-ordinate Reference:	Well Matrix J-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 J-29HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-02-14)		

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 J-29HN					
Well Position	+N-S	0.0 ft	Northing:	1,408,840.91 ft	Latitude:	40.452836
	+E-W	0.0 ft	Easting:	3,225,730.56 ft	Longitude:	-104.688864
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	10/6/2014	8.38	66.99	52,819

Design	Plan #1 (10-02-14)			
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	3.19

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	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,978.7	9.57	150.87	2,976.4	-34.8	19.4	2.00	2.00	0.00	150.87	
5,764.6	9.57	150.87	5,723.6	-439.6	245.0	0.00	0.00	0.00	0.00	
6,243.2	0.00	0.00	6,200.0	-474.4	264.4	2.00	-2.00	0.00	180.00	
6,373.3	0.00	0.00	6,330.1	-474.4	264.4	0.00	0.00	0.00	0.00	
7,516.1	91.42	359.70	7,046.1	259.5	260.6	8.00	8.00	0.00	359.70	
11,554.2	91.42	359.70	6,946.0	4,296.4	239.6	0.00	0.00	0.00	0.00	BHL 465'FNL, 2450

Database:	Landmark	Local Co-ordinate Reference:	Well Matrix J-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 J-29HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-02-14)		

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 502'FSL & 2186'FWL									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP #1 - Start Build 2.00									
2,600.0	2.00	150.87	2,600.0	-1.5	0.8	-1.5	2.00	2.00	0.00
2,700.0	4.00	150.87	2,699.8	-6.1	3.4	-5.9	2.00	2.00	0.00
2,800.0	6.00	150.87	2,799.5	-13.7	7.6	-13.3	2.00	2.00	0.00
2,900.0	8.00	150.87	2,898.7	-24.4	13.6	-23.6	2.00	2.00	0.00
2,978.7	9.57	150.87	2,976.4	-34.8	19.4	-33.7	2.00	2.00	0.00
3,000.0	9.57	150.87	2,997.5	-37.9	21.1	-36.7	0.00	0.00	0.00
3,100.0	9.57	150.87	3,096.1	-52.5	29.2	-50.8	0.00	0.00	0.00
3,200.0	9.57	150.87	3,194.7	-67.0	37.3	-64.8	0.00	0.00	0.00
3,300.0	9.57	150.87	3,293.3	-81.5	45.4	-78.9	0.00	0.00	0.00
3,400.0	9.57	150.87	3,391.9	-96.1	53.5	-92.9	0.00	0.00	0.00
3,500.0	9.57	150.87	3,490.5	-110.6	61.6	-107.0	0.00	0.00	0.00
3,600.0	9.57	150.87	3,589.1	-125.1	69.7	-121.0	0.00	0.00	0.00
3,700.0	9.57	150.87	3,687.7	-139.6	77.8	-135.1	0.00	0.00	0.00
3,800.0	9.57	150.87	3,786.3	-154.2	85.9	-149.1	0.00	0.00	0.00
3,900.0	9.57	150.87	3,884.9	-168.7	94.0	-163.2	0.00	0.00	0.00
4,000.0	9.57	150.87	3,983.6	-183.2	102.1	-177.2	0.00	0.00	0.00
4,100.0	9.57	150.87	4,082.2	-197.7	110.2	-191.3	0.00	0.00	0.00
4,200.0	9.57	150.87	4,180.8	-212.3	118.3	-205.4	0.00	0.00	0.00
4,300.0	9.57	150.87	4,279.4	-226.8	126.4	-219.4	0.00	0.00	0.00
4,400.0	9.57	150.87	4,378.0	-241.3	134.5	-233.5	0.00	0.00	0.00
4,500.0	9.57	150.87	4,476.6	-255.8	142.6	-247.5	0.00	0.00	0.00
4,600.0	9.57	150.87	4,575.2	-270.4	150.7	-261.6	0.00	0.00	0.00
4,700.0	9.57	150.87	4,673.8	-284.9	158.8	-275.6	0.00	0.00	0.00
4,800.0	9.57	150.87	4,772.4	-299.4	166.9	-289.7	0.00	0.00	0.00
4,900.0	9.57	150.87	4,871.0	-314.0	175.0	-303.7	0.00	0.00	0.00

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Well:	Matrix J-29HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-02-14)		

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	9.57	150.87	4,969.6	-328.5	183.1	-317.8	0.00	0.00	0.00
5,100.0	9.57	150.87	5,068.2	-343.0	191.2	-331.8	0.00	0.00	0.00
5,200.0	9.57	150.87	5,166.8	-357.5	199.3	-345.9	0.00	0.00	0.00
5,300.0	9.57	150.87	5,265.4	-372.1	207.4	-359.9	0.00	0.00	0.00
5,400.0	9.57	150.87	5,364.1	-386.6	215.5	-374.0	0.00	0.00	0.00
5,500.0	9.57	150.87	5,462.7	-401.1	223.6	-388.0	0.00	0.00	0.00
5,600.0	9.57	150.87	5,561.3	-415.6	231.7	-402.1	0.00	0.00	0.00
5,700.0	9.57	150.87	5,659.9	-430.2	239.7	-416.2	0.00	0.00	0.00
5,764.6	9.57	150.87	5,723.6	-439.6	245.0	-425.2	0.00	0.00	0.00
Start Drop -2.00									
5,800.0	8.86	150.87	5,758.5	-444.5	247.7	-430.0	2.00	-2.00	0.00
5,900.0	6.86	150.87	5,857.6	-456.5	254.4	-441.6	2.00	-2.00	0.00
6,000.0	4.86	150.87	5,957.0	-465.4	259.4	-450.2	2.00	-2.00	0.00
6,100.0	2.86	150.87	6,056.8	-471.3	262.7	-455.9	2.00	-2.00	0.00
6,200.0	0.86	150.87	6,156.8	-474.1	264.2	-458.7	2.00	-2.00	0.00
6,243.2	0.00	0.00	6,200.0	-474.4	264.4	-458.9	2.00	-2.00	0.00
6,300.0	0.00	0.00	6,256.8	-474.4	264.4	-458.9	0.00	0.00	0.00
6,373.3	0.00	0.00	6,330.1	-474.4	264.4	-458.9	0.00	0.00	0.00
KOP #2 - Start Build 8.00									
6,400.0	2.13	359.70	6,356.7	-473.9	264.4	-458.5	7.99	7.99	0.00
6,500.0	10.13	359.70	6,456.1	-463.2	264.3	-447.8	8.00	8.00	0.00
6,600.0	18.13	359.70	6,553.0	-438.8	264.2	-423.4	8.00	8.00	0.00
6,700.0	26.13	359.70	6,645.5	-401.2	264.0	-385.9	8.00	8.00	0.00
6,800.0	34.13	359.70	6,732.0	-351.0	263.8	-335.8	8.00	8.00	0.00
6,900.0	42.13	359.70	6,810.6	-289.3	263.4	-274.2	8.00	8.00	0.00
7,000.0	50.13	359.70	6,879.8	-217.3	263.1	-202.3	8.00	8.00	0.00
7,100.0	58.13	359.70	6,938.3	-136.3	262.6	-121.5	8.00	8.00	0.00
7,200.0	66.13	359.70	6,985.0	-48.0	262.2	-33.3	8.00	8.00	0.00
7,300.0	74.13	359.70	7,019.0	46.0	261.7	60.5	8.00	8.00	0.00
7,400.0	82.13	359.70	7,039.5	143.8	261.2	158.1	8.00	8.00	0.00
7,500.0	90.13	359.70	7,046.3	243.5	260.7	257.6	8.00	8.00	0.00
7,516.1	91.42	359.70	7,046.1	259.5	260.6	273.7	7.99	7.99	0.00
Start 4038.1 hold at 7516.1 MD - 7"									
7,600.0	91.42	359.70	7,044.0	343.4	260.1	357.4	0.00	0.00	0.00
7,700.0	91.42	359.70	7,041.5	443.4	259.6	457.2	0.00	0.00	0.00
7,800.0	91.42	359.70	7,039.0	543.4	259.1	556.9	0.00	0.00	0.00
7,900.0	91.42	359.70	7,036.6	643.3	258.6	656.7	0.00	0.00	0.00
8,000.0	91.42	359.70	7,034.1	743.3	258.1	756.5	0.00	0.00	0.00
8,100.0	91.42	359.70	7,031.6	843.3	257.5	856.3	0.00	0.00	0.00
8,200.0	91.42	359.70	7,029.1	943.2	257.0	956.1	0.00	0.00	0.00
8,300.0	91.42	359.70	7,026.6	1,043.2	256.5	1,055.9	0.00	0.00	0.00
8,400.0	91.42	359.70	7,024.2	1,143.2	256.0	1,155.6	0.00	0.00	0.00
8,500.0	91.42	359.70	7,021.7	1,243.1	255.5	1,255.4	0.00	0.00	0.00
8,600.0	91.42	359.70	7,019.2	1,343.1	254.9	1,355.2	0.00	0.00	0.00
8,700.0	91.42	359.70	7,016.7	1,443.1	254.4	1,455.0	0.00	0.00	0.00
8,800.0	91.42	359.70	7,014.3	1,543.0	253.9	1,554.8	0.00	0.00	0.00
8,900.0	91.42	359.70	7,011.8	1,643.0	253.4	1,654.6	0.00	0.00	0.00
9,000.0	91.42	359.70	7,009.3	1,743.0	252.9	1,754.3	0.00	0.00	0.00
9,100.0	91.42	359.70	7,006.8	1,842.9	252.3	1,854.1	0.00	0.00	0.00
9,200.0	91.42	359.70	7,004.3	1,942.9	251.8	1,953.9	0.00	0.00	0.00
9,300.0	91.42	359.70	7,001.9	2,042.9	251.3	2,053.7	0.00	0.00	0.00
9,400.0	91.42	359.70	6,999.4	2,142.8	250.8	2,153.5	0.00	0.00	0.00
9,500.0	91.42	359.70	6,996.9	2,242.8	250.3	2,253.3	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Matrix J-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 J-29HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-02-14)		

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)
9,600.0	91.42	359.70	6,994.4	2,342.8	249.7	2,353.1	0.00	0.00	0.00
9,700.0	91.42	359.70	6,991.9	2,442.7	249.2	2,452.8	0.00	0.00	0.00
9,800.0	91.42	359.70	6,989.5	2,542.7	248.7	2,552.6	0.00	0.00	0.00
9,900.0	91.42	359.70	6,987.0	2,642.7	248.2	2,652.4	0.00	0.00	0.00
10,000.0	91.42	359.70	6,984.5	2,742.7	247.7	2,752.2	0.00	0.00	0.00
10,100.0	91.42	359.70	6,982.0	2,842.6	247.1	2,852.0	0.00	0.00	0.00
10,200.0	91.42	359.70	6,979.6	2,942.6	246.6	2,951.8	0.00	0.00	0.00
10,300.0	91.42	359.70	6,977.1	3,042.6	246.1	3,051.5	0.00	0.00	0.00
10,400.0	91.42	359.70	6,974.6	3,142.5	245.6	3,151.3	0.00	0.00	0.00
10,500.0	91.42	359.70	6,972.1	3,242.5	245.1	3,251.1	0.00	0.00	0.00
10,600.0	91.42	359.70	6,969.6	3,342.5	244.5	3,350.9	0.00	0.00	0.00
10,700.0	91.42	359.70	6,967.2	3,442.4	244.0	3,450.7	0.00	0.00	0.00
10,800.0	91.42	359.70	6,964.7	3,542.4	243.5	3,550.5	0.00	0.00	0.00
10,900.0	91.42	359.70	6,962.2	3,642.4	243.0	3,650.2	0.00	0.00	0.00
11,000.0	91.42	359.70	6,959.7	3,742.3	242.5	3,750.0	0.00	0.00	0.00
11,100.0	91.42	359.70	6,957.3	3,842.3	241.9	3,849.8	0.00	0.00	0.00
11,200.0	91.42	359.70	6,954.8	3,942.3	241.4	3,949.6	0.00	0.00	0.00
11,300.0	91.42	359.70	6,952.3	4,042.2	240.9	4,049.4	0.00	0.00	0.00
11,400.0	91.42	359.70	6,949.8	4,142.2	240.4	4,149.2	0.00	0.00	0.00
11,500.0	91.42	359.70	6,947.3	4,242.2	239.9	4,248.9	0.00	0.00	0.00
11,554.2	91.42	359.70	6,946.0	4,296.4	239.6	4,303.0	0.00	0.00	0.00
TD at 11554.2 - BHL 465'FNL, 2450'FWL									

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
BHL 465'FNL, 2450'F'	0.00	0.00	6,946.0	4,296.4	239.6	1,413,139.14	3,225,930.82	40.464629	-104.688003
- plan hits target center									
- Point									
SHL 502'FSL & 2186'I	0.00	0.00	1.0	0.0	0.0	1,408,840.92	3,225,730.56	40.452836	-104.688864
- plan hits target center									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (")	Hole Diameter (")
7,516.1	7,046.1	7"		7	7-1/2

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
2,500.0	2,500.0	0.0	0.0	KOP #1 - Start Build 2.00
5,764.6	5,723.6	-34.8	19.4	Start Drop -2.00
6,373.3	6,330.1	-439.6	245.0	KOP #2 - Start Build 8.00
7,516.1	7,046.1	-474.4	264.4	Start 4038.1 hold at 7516.1 MD
11,554.2	6,946.0	-474.4	264.4	TD at 11554.2



Bayswater Exploration & Production, LLC

SEC.29-T6N-R65W

Matrix 29- Pad Sec.29-T6N-R65W

Matrix J-29HN

Wellbore #1

Plan #1 (10-02-14)

Anticollision Report

09 October, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (10-02-14)		
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 10/6/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	11,554.2	Plan #1 (10-02-14) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Hungenberg 42-29P Pad Sec.29-T6N-R65W						
Hungenberg 22-29 - Wellbore #1 - Wellbore #1	10,185.5	7,602.6	525.0	428.7	5.453	CC
Hungenberg 22-29 - Wellbore #1 - Wellbore #1	10,200.0	7,604.7	525.2	428.6	5.437	ES, SF
Matrix 23-29 Pad Sec.29-T6N-R65W						
Matix 23-29 - Wellbore #1 - Wellbore #1	622.7	614.9	37.5	34.9	14.553	CC, ES
Matix 23-29 - Wellbore #1 - Wellbore #1	8,800.0	7,245.5	463.9	397.1	6.939	SF
Matrix 24-29 (Vert.) - Wellbore #1 - Plan #2 (7-22-11)	2,586.3	2,577.8	69.5	58.2	6.123	CC
Matrix 24-29 (Vert.) - Wellbore #1 - Plan #2 (7-22-11)	2,700.0	2,691.3	69.8	58.0	5.907	ES
Matrix 24-29 (Vert.) - Wellbore #1 - Plan #2 (7-22-11)	2,800.0	2,791.0	71.0	58.8	5.815	SF
Matrix 24-29-17 - Wellbore #1 - Wellbore #1	1,250.5	1,240.5	19.1	14.5	4.153	CC, ES
Matrix 24-29-17 - Wellbore #1 - Wellbore #1	1,300.0	1,289.5	19.9	15.1	4.141	SF
Matrix 29- Pad Sec.29-T6N-R65W						
Matrix A-29HN - Wellbore #1 - Plan #1 (10-01-14)	955.0	964.0	97.0	92.3	20.615	CC, ES
Matrix A-29HN - Wellbore #1 - Plan #1 (10-01-14)	1,100.0	1,102.0	105.5	100.2	19.729	SF
Matrix B-29HN - Wellbore #1 - Plan #1 (10-01-14)	1,190.2	1,200.5	95.3	89.6	16.648	CC
Matrix B-29HN - Wellbore #1 - Plan #1 (10-01-14)	1,200.0	1,210.0	95.3	89.6	16.505	ES
Matrix B-29HN - Wellbore #1 - Plan #1 (10-01-14)	1,300.0	1,305.8	100.3	94.0	16.136	SF
Matrix C-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,427.1	1,438.4	97.1	90.3	14.384	CC, ES
Matrix C-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,500.0	1,509.0	98.8	91.7	13.950	SF
Matrix D-29HC - Wellbore #1 - Plan #1 (10-08-14)	1,681.6	1,693.7	98.0	90.2	12.454	CC, ES
Matrix D-29HC - Wellbore #1 - Plan #1 (10-08-14)	1,800.0	1,808.9	101.7	93.3	12.153	SF
Matrix E-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,938.3	1,950.0	101.7	92.7	11.296	CC, ES
Matrix E-29HN - Wellbore #1 - Plan #1 (10-08-14)	2,000.0	2,010.2	102.6	93.3	11.061	SF
Matrix F-29HN - Wellbore #1 - Plan #1 (10-01-14)	2,239.9	2,251.0	115.5	105.3	11.274	CC, ES
Matrix F-29HN - Wellbore #1 - Plan #1 (10-01-14)	2,600.0	2,605.5	130.3	118.0	10.654	SF
Matrix G-29HN - Wellbore #1 - Plan #1 (10-01-14)	3,281.5	3,296.0	74.4	60.3	5.281	CC, ES
Matrix G-29HN - Wellbore #1 - Plan #1 (10-01-14)	11,555.0	11,450.8	660.3	489.3	3.863	SF
Matrix H-29HN - Wellbore #1 - Plan #1 (10-08-14)	200.0	200.0	149.9	149.2	222.236	CC
Matrix H-29HN - Wellbore #1 - Plan #1 (10-08-14)	4,300.0	4,328.2	159.3	140.9	8.664	ES
Matrix H-29HN - Wellbore #1 - Plan #1 (10-08-14)	11,555.0	11,573.6	330.1	158.3	1.921	SF
Matrix I-29HC - Wellbore #1 - Plan #1 (10-08-14)	4,501.8	4,512.3	65.7	46.5	3.413	CC, ES
Matrix I-29HC - Wellbore #1 - Plan #1 (10-08-14)	11,555.0	11,628.6	249.3	123.4	1.979	SF
Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14)	2,000.0	2,000.0	14.9	6.1	1.701	CC, ES
Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14)	2,100.0	2,099.8	15.4	6.2	1.676	SF
Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,800.0	1,800.0	30.1	22.2	3.821	CC, ES
Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,900.0	1,899.5	30.8	22.5	3.714	SF

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 J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Matrix 29- Pad Sec.29-T6N-R65W						
Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,600.0	1,600.0	45.0	38.0	6.455	CC, ES
Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,700.0	1,699.2	45.9	38.5	6.202	SF
Matrix N-29HC - Wellbore #1 - Plan #1 (10-08-14)	1,400.0	1,400.0	59.9	53.8	9.869	CC, ES
Matrix N-29HC - Wellbore #1 - Plan #1 (10-08-14)	1,600.0	1,597.5	63.8	56.8	9.232	SF
Matrix O-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,200.0	1,199.0	75.0	69.9	14.522	CC, ES
Matrix O-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,500.0	1,493.8	84.3	77.9	13.130	SF
Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,000.0	999.0	90.0	85.7	21.077	CC, ES
Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,300.0	1,292.5	99.8	94.2	18.037	SF
Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14)	800.0	799.0	104.9	101.5	31.125	CC, ES
Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,200.0	1,187.8	123.5	118.4	24.364	SF
Matrix R-29HN - Wellbore #1 - Plan #1 (10-08-14)	600.0	599.0	120.0	117.6	48.588	CC, ES
Matrix R-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,100.0	1,081.4	150.3	145.7	32.512	SF
Matrix S-29HC - Wellbore #1 - Plan #1 (10-08-14)	600.0	599.0	192.8	190.3	78.031	CC, ES
Matrix S-29HC - Wellbore #1 - Plan #1 (10-08-14)	1,300.0	1,244.0	271.5	266.0	49.246	SF
Matrix T-29HN - Wellbore #1 - Plan #1 (10-02-14)	200.0	199.0	204.0	203.3	303.504	CC, ES
Matrix T-29HN - Wellbore #1 - Plan #1 (10-02-14)	2,300.0	2,066.3	794.4	782.2	65.220	SF

Offset Design												Hungenberg 42-29P Pad Sec.29-T6N-R65W - Hungenberg 22-29 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.0 ft	
Survey Program: 14-Reference														Offset Well Error:		0.0 ft	
		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
9,600.0	6,994.4	7,523.4	6,764.0	50.1	64.2	-68.54	2,912.3	-245.9	783.1	699.9	83.16	9.417					
9,700.0	6,991.9	7,535.0	6,775.1	51.9	64.2	-69.78	2,913.8	-248.8	712.5	627.2	85.36	8.347					
9,800.0	6,989.5	7,546.7	6,786.3	53.8	64.3	-71.04	2,915.4	-251.7	649.5	562.0	87.56	7.418					
9,900.0	6,987.0	7,558.5	6,797.7	55.6	64.4	-72.31	2,916.9	-254.6	596.5	506.8	89.77	6.645					
10,000.0	6,984.5	7,573.4	6,812.0	57.5	64.4	-73.92	2,918.9	-258.3	556.4	464.3	92.06	6.043					
10,100.0	6,982.0	7,589.7	6,827.7	59.3	64.5	-75.69	2,921.0	-262.1	531.8	437.5	94.37	5.636					
10,185.5	6,979.9	7,602.6	6,840.1	60.9	64.6	-77.09	2,922.5	-265.0	525.0	428.7	96.28	5.453	CC				
10,200.0	6,979.6	7,604.7	6,842.2	61.2	64.6	-77.31	2,922.8	-265.5	525.2	428.6	96.59	5.437	ES, SF				
10,300.0	6,977.1	7,618.4	6,855.4	63.0	64.7	-78.80	2,924.4	-268.5	537.2	438.4	98.75	5.440					
10,400.0	6,974.6	7,631.0	6,867.7	64.9	64.7	-80.18	2,925.9	-271.1	566.6	465.8	100.85	5.618					
10,500.0	6,972.1	7,642.7	6,879.1	66.7	64.8	-81.44	2,927.2	-273.5	611.0	508.1	102.90	5.938					
10,600.0	6,969.6	7,653.5	6,889.6	68.6	64.8	-82.61	2,928.4	-275.6	667.4	562.4	104.91	6.361					
10,700.0	6,967.2	7,663.8	6,899.7	70.5	64.9	-83.73	2,929.4	-277.6	733.0	626.1	106.89	6.858					

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 93- Matrix 23-29 Pad Sec.29-T6N-R65W - Matix 23-29 - Wellbore #1 - Wellbore #1													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-122.43	-24.0	-37.8	45.6					
100.0	100.0	91.7	91.7	0.1	0.1	-122.54	-24.0	-37.6	44.6	44.4	0.22	206.952		
200.0	200.0	191.7	191.7	0.3	0.3	-122.62	-23.8	-37.2	44.2	43.6	0.65	68.435		
300.0	300.0	292.0	292.0	0.6	0.5	-121.69	-22.8	-37.0	43.5	42.4	1.09	40.034		
400.0	400.0	392.3	392.3	0.8	0.8	-117.78	-19.6	-37.3	42.2	40.6	1.54	27.447		
500.0	500.0	492.8	492.6	1.0	1.0	-110.14	-13.6	-37.2	39.6	37.6	2.00	19.848		
600.0	600.0	592.4	591.8	1.2	1.2	-97.93	-5.2	-37.2	37.6	35.1	2.47	15.236		
622.7	622.7	614.9	614.2	1.3	1.3	-94.58	-3.0	-37.4	37.5	34.9	2.58	14.553 CC, ES		
700.0	700.0	691.5	690.3	1.5	1.5	-81.82	5.5	-38.4	38.8	35.8	2.94	13.167		
800.0	800.0	789.8	787.5	1.7	1.8	-63.22	20.0	-39.5	44.5	41.1	3.41	13.042		
900.0	900.0	886.0	881.9	1.9	2.2	-47.10	38.5	-41.4	57.4	53.5	3.87	14.838		
1,000.0	1,000.0	981.3	974.6	2.1	2.6	-36.26	60.6	-44.5	77.1	72.7	4.33	17.785		
1,100.0	1,100.0	1,075.0	1,064.7	2.4	3.0	-28.19	86.0	-46.1	101.2	96.4	4.82	21.009		
1,200.0	1,200.0	1,167.0	1,152.2	2.6	3.5	-22.37	114.4	-47.1	129.8	124.5	5.33	24.353		
1,300.0	1,300.0	1,258.9	1,239.0	2.8	4.1	-18.58	144.6	-48.6	161.3	155.5	5.86	27.524		
1,400.0	1,400.0	1,348.7	1,323.3	3.0	4.6	-16.16	175.4	-50.8	195.0	188.6	6.41	30.435		
1,500.0	1,500.0	1,438.5	1,406.8	3.3	5.2	-14.40	208.3	-53.5	231.1	224.2	6.97	33.177		
1,600.0	1,600.0	1,533.7	1,495.4	3.5	5.8	-13.20	243.2	-57.0	267.6	260.1	7.54	35.508		
1,700.0	1,700.0	1,632.0	1,587.4	3.7	6.4	-12.49	277.5	-61.5	302.7	294.6	8.10	37.377		
1,800.0	1,800.0	1,729.0	1,678.6	3.9	7.0	-12.03	310.1	-66.1	336.6	327.9	8.66	38.861		
1,900.0	1,900.0	1,829.9	1,773.9	4.2	7.5	-11.74	343.0	-71.3	369.6	360.3	9.24	39.992		
2,000.0	2,000.0	1,930.7	1,869.7	4.4	8.1	-11.40	374.0	-75.4	400.5	390.7	9.82	40.803		
2,100.0	2,100.0	2,029.0	1,963.4	4.6	8.6	-11.09	403.4	-79.1	430.5	420.2	10.38	41.481		
2,200.0	2,200.0	2,131.1	2,061.0	4.8	9.2	-10.72	433.1	-82.0	459.7	448.7	10.96	41.956		
2,300.0	2,300.0	2,219.5	2,145.6	5.1	9.7	-10.40	458.6	-84.2	488.6	477.1	11.49	42.507		
2,400.0	2,400.0	2,310.0	2,231.8	5.3	10.2	-10.00	486.3	-85.8	519.0	507.0	12.06	43.041		
2,500.0	2,500.0	2,408.5	2,325.5	5.5	10.8	-9.69	516.5	-88.2	549.7	537.0	12.65	43.451		
2,600.0	2,600.0	2,503.6	2,416.2	5.7	11.3	-160.14	545.1	-90.6	581.3	569.3	12.04	48.291		
2,700.0	2,699.8	2,592.6	2,500.8	5.9	11.8	-159.75	572.3	-92.1	616.5	604.1	12.40	49.733		
2,800.0	2,799.5	2,679.4	2,583.3	6.1	12.3	-159.50	599.5	-94.3	655.4	642.7	12.74	51.443		
2,900.0	2,898.7	2,759.8	2,659.3	6.3	12.8	-159.28	625.5	-96.2	698.3	685.3	13.06	53.467		
2,978.7	2,976.4	2,818.6	2,714.6	6.4	13.2	-159.12	645.3	-97.6	735.2	721.9	13.29	55.305		
3,000.0	2,997.5	2,833.8	2,729.0	6.5	13.3	-159.16	650.6	-98.1	745.6	732.3	13.38	55.729		
3,100.0	3,096.1	2,908.9	2,799.0	6.7	13.8	-159.45	677.4	-101.4	795.6	781.8	13.80	57.671		
8,200.0	7,029.1	7,261.0	7,025.0	26.1	31.2	-92.33	1,522.6	-209.4	743.8	686.7	57.05	13.037		
8,300.0	7,026.6	7,258.4	7,022.4	27.6	31.2	-92.00	1,522.6	-209.5	668.5	609.9	58.60	11.409		
8,400.0	7,024.2	7,255.7	7,019.7	29.2	31.2	-91.67	1,522.6	-209.5	600.5	540.3	60.19	9.978		
8,500.0	7,021.7	7,253.1	7,017.1	30.9	31.2	-91.35	1,522.6	-209.5	542.5	480.7	61.81	8.776		
8,600.0	7,019.2	7,250.6	7,014.6	32.5	31.2	-91.03	1,522.6	-209.5	497.9	434.5	63.47	7.845		
8,700.0	7,016.7	7,248.0	7,012.0	34.2	31.2	-90.72	1,522.6	-209.5	470.7	405.6	65.15	7.225		
8,781.9	7,014.7	7,245.9	7,009.9	35.6	31.2	-90.46	1,522.6	-209.5	463.6	397.0	66.55	6.966		
8,800.0	7,014.3	7,245.5	7,009.4	35.9	31.2	-90.40	1,522.6	-209.5	463.9	397.1	66.86	6.939 SF		
8,900.0	7,011.8	7,242.9	7,006.9	37.6	31.2	-90.09	1,522.6	-209.6	478.4	409.8	68.58	6.975		
9,000.0	7,009.3	7,240.4	7,004.4	39.4	31.2	-89.78	1,522.6	-209.6	512.3	442.0	70.33	7.284		
9,100.0	7,006.8	7,238.0	7,002.0	41.1	31.2	-89.48	1,522.6	-209.6	562.2	490.1	72.08	7.799		
9,200.0	7,004.3	7,235.5	6,999.5	42.9	31.2	-89.18	1,522.6	-209.6	624.2	550.3	73.85	8.452		
9,300.0	7,001.9	7,233.1	6,997.1	44.7	31.2	-88.88	1,522.6	-209.7	695.1	619.5	75.63	9.191		
9,400.0	6,999.4	7,230.7	6,994.7	46.5	31.2	-88.58	1,522.6	-209.7	772.5	695.1	77.41	9.978		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-120.20	-35.0	-60.1	70.1					
100.0	100.0	91.5	91.5	0.1	0.1	-120.20	-35.0	-60.1	69.6	69.3	0.22	323.169		
200.0	200.0	191.5	191.5	0.3	0.3	-120.20	-35.0	-60.1	69.6	68.9	0.66	106.161		
300.0	300.0	291.5	291.5	0.6	0.5	-120.20	-35.0	-60.1	69.6	68.5	1.10	62.962		
400.0	400.0	391.5	391.5	0.8	0.8	-120.20	-35.0	-60.1	69.6	68.0	1.55	44.752		
500.0	500.0	491.5	491.5	1.0	1.0	-120.20	-35.0	-60.1	69.6	67.6	2.00	34.712		
600.0	600.0	591.5	591.5	1.2	1.2	-120.20	-35.0	-60.1	69.6	67.1	2.45	28.352		
700.0	700.0	691.5	691.5	1.5	1.4	-120.20	-35.0	-60.1	69.6	66.7	2.90	23.961		
800.0	800.0	791.5	791.5	1.7	1.7	-120.20	-35.0	-60.1	69.6	66.2	3.35	20.748		
900.0	900.0	891.5	891.5	1.9	1.9	-120.20	-35.0	-60.1	69.6	65.8	3.80	18.295		
1,000.0	1,000.0	991.5	991.5	2.1	2.1	-120.20	-35.0	-60.1	69.6	65.3	4.25	16.360		
1,100.0	1,100.0	1,091.5	1,091.5	2.4	2.3	-120.20	-35.0	-60.1	69.6	64.9	4.70	14.796		
1,200.0	1,200.0	1,191.5	1,191.5	2.6	2.6	-120.20	-35.0	-60.1	69.6	64.4	5.15	13.505		
1,300.0	1,300.0	1,291.5	1,291.5	2.8	2.8	-120.20	-35.0	-60.1	69.6	64.0	5.60	12.421		
1,400.0	1,400.0	1,391.5	1,391.5	3.0	3.0	-120.20	-35.0	-60.1	69.6	63.5	6.05	11.498		
1,500.0	1,500.0	1,491.5	1,491.5	3.3	3.2	-120.20	-35.0	-60.1	69.6	63.1	6.50	10.702		
1,600.0	1,600.0	1,591.5	1,591.5	3.5	3.5	-120.20	-35.0	-60.1	69.6	62.6	6.95	10.010		
1,700.0	1,700.0	1,691.5	1,691.5	3.7	3.7	-120.20	-35.0	-60.1	69.6	62.2	7.40	9.402		
1,800.0	1,800.0	1,791.5	1,791.5	3.9	3.9	-120.20	-35.0	-60.1	69.6	61.7	7.85	8.863		
1,900.0	1,900.0	1,891.5	1,891.5	4.2	4.1	-120.20	-35.0	-60.1	69.6	61.3	8.30	8.383		
2,000.0	2,000.0	1,991.5	1,991.5	4.4	4.4	-120.20	-35.0	-60.1	69.6	60.8	8.75	7.952		
2,100.0	2,100.0	2,091.5	2,091.5	4.6	4.6	-120.20	-35.0	-60.1	69.6	60.4	9.20	7.563		
2,200.0	2,200.0	2,191.5	2,191.5	4.8	4.8	-120.20	-35.0	-60.1	69.6	59.9	9.65	7.211		
2,300.0	2,300.0	2,291.5	2,291.5	5.1	5.0	-120.20	-35.0	-60.1	69.6	59.5	10.10	6.890		
2,400.0	2,400.0	2,391.5	2,391.5	5.3	5.3	-120.20	-35.0	-60.1	69.6	59.0	10.54	6.596		
2,500.0	2,500.0	2,491.5	2,491.5	5.5	5.5	-120.20	-35.0	-60.1	69.6	58.6	10.99	6.326		
2,586.3	2,586.3	2,577.8	2,577.8	5.7	5.7	90.00	-35.0	-60.1	69.5	58.2	11.36	6.123 CC		
2,600.0	2,600.0	2,591.5	2,591.5	5.7	5.7	90.37	-35.0	-60.1	69.5	58.1	11.42	6.092		
2,700.0	2,699.8	2,691.3	2,691.3	5.9	5.9	94.66	-35.0	-60.1	69.8	58.0	11.81	5.907 ES		
2,800.0	2,799.5	2,791.0	2,791.0	6.1	6.2	101.63	-35.0	-60.1	71.0	58.8	12.21	5.815 SF		
2,900.0	2,898.7	2,890.2	2,890.2	6.3	6.4	110.73	-35.0	-60.1	74.5	61.8	12.61	5.902		
2,978.7	2,976.4	2,967.9	2,967.9	6.4	6.6	118.69	-35.0	-60.1	79.5	66.6	12.92	6.155		
3,000.0	2,997.5	2,989.0	2,989.0	6.5	6.6	120.86	-35.0	-60.1	81.3	68.3	13.01	6.252		
3,100.0	3,096.1	3,087.6	3,087.6	6.7	6.8	129.81	-35.0	-60.1	91.1	77.6	13.41	6.791		
3,200.0	3,194.7	3,186.2	3,186.2	6.9	7.0	136.92	-35.0	-60.1	102.6	88.8	13.81	7.426		
3,300.0	3,293.3	3,284.8	3,284.8	7.2	7.3	142.54	-35.0	-60.1	115.4	101.1	14.22	8.109		
3,400.0	3,391.9	3,383.4	3,383.4	7.5	7.5	147.02	-35.0	-60.1	129.0	114.4	14.64	8.812		
3,500.0	3,490.5	3,482.0	3,482.0	7.7	7.7	150.63	-35.0	-60.1	143.3	128.2	15.06	9.516		
3,600.0	3,589.1	3,580.6	3,580.6	8.0	7.9	153.58	-35.0	-60.1	158.1	142.6	15.48	10.208		
3,700.0	3,687.7	3,679.2	3,679.2	8.3	8.2	156.02	-35.0	-60.1	173.1	157.2	15.91	10.883		
3,800.0	3,786.3	3,777.8	3,777.8	8.6	8.4	158.07	-35.0	-60.1	188.5	172.2	16.34	11.537		
3,900.0	3,884.9	3,876.4	3,876.4	8.9	8.6	159.81	-35.0	-60.1	204.0	187.3	16.77	12.167		
4,000.0	3,983.6	3,975.1	3,975.1	9.3	8.8	161.31	-35.0	-60.1	219.7	202.5	17.20	12.773		
4,100.0	4,082.2	4,073.7	4,073.7	9.6	9.0	162.60	-35.0	-60.1	235.6	217.9	17.64	13.355		
4,200.0	4,180.8	4,172.3	4,172.3	9.9	9.3	163.73	-35.0	-60.1	251.5	233.4	18.08	13.912		
4,300.0	4,279.4	4,270.9	4,270.9	10.2	9.5	164.73	-35.0	-60.1	267.5	249.0	18.52	14.447		
4,400.0	4,378.0	4,369.5	4,369.5	10.6	9.7	165.61	-35.0	-60.1	283.6	264.7	18.96	14.959		
4,500.0	4,476.6	4,468.1	4,468.1	10.9	9.9	166.40	-35.0	-60.1	299.8	280.4	19.40	15.449		
4,600.0	4,575.2	4,566.7	4,566.7	11.3	10.2	167.11	-35.0	-60.1	316.0	296.1	19.85	15.918		
4,700.0	4,673.8	4,665.3	4,665.3	11.6	10.4	167.75	-35.0	-60.1	332.2	311.9	20.30	16.368		
4,800.0	4,772.4	4,763.9	4,763.9	12.0	10.6	168.33	-35.0	-60.1	348.5	327.8	20.74	16.800		
4,900.0	4,871.0	4,862.5	4,862.5	12.3	10.8	168.86	-35.0	-60.1	364.8	343.6	21.19	17.213		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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-Reference												Offset Well Error:		0.0 ft		
		Offset		Semi Major Axis			Distance									
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,000.0	4,969.6	4,961.1	4,961.1	12.7	11.0	169.34	-35.0	-60.1	381.2	359.5	21.64	17.610				
5,100.0	5,068.2	5,059.7	5,059.7	13.0	11.3	169.79	-35.0	-60.1	397.5	375.4	22.10	17.991				
5,200.0	5,166.8	5,158.3	5,158.3	13.4	11.5	170.19	-35.0	-60.1	413.9	391.4	22.55	18.357				
5,300.0	5,265.4	5,256.9	5,256.9	13.8	11.7	170.57	-35.0	-60.1	430.3	407.3	23.00	18.708				
5,400.0	5,364.1	5,355.6	5,355.6	14.1	11.9	170.92	-35.0	-60.1	446.7	423.3	23.46	19.046				
5,500.0	5,462.7	5,454.2	5,454.2	14.5	12.1	171.24	-35.0	-60.1	463.2	439.2	23.91	19.371				
5,600.0	5,561.3	5,552.8	5,552.8	14.9	12.4	171.55	-35.0	-60.1	479.6	455.2	24.37	19.683				
5,700.0	5,659.9	5,651.4	5,651.4	15.2	12.6	171.83	-35.0	-60.1	496.1	471.2	24.82	19.984				
5,764.6	5,723.6	5,715.1	5,715.1	15.5	12.7	172.00	-35.0	-60.1	506.7	481.6	25.12	20.173				
5,800.0	5,758.5	5,750.0	5,750.0	15.6	12.8	172.11	-35.0	-60.1	512.3	487.0	25.31	20.246				
5,900.0	5,857.6	5,849.1	5,849.1	15.9	13.0	172.35	-35.0	-60.1	525.9	500.1	25.81	20.375				
6,000.0	5,957.0	5,948.5	5,948.5	16.1	13.3	172.52	-35.0	-60.1	536.0	509.7	26.29	20.390				
6,100.0	6,056.8	6,048.3	6,048.3	16.3	13.5	172.63	-35.0	-60.1	542.7	516.0	26.74	20.299				
6,200.0	6,156.8	6,148.3	6,148.3	16.5	13.7	172.68	-35.0	-60.1	545.9	518.8	27.15	20.107				
6,243.2	6,200.0	6,191.5	6,191.5	16.6	13.8	-36.45	-35.0	-60.1	546.3	518.9	27.32	19.996				
6,300.0	6,256.8	6,248.3	6,248.3	16.7	13.9	-36.45	-35.0	-60.1	546.3	518.7	27.56	19.822				
6,373.3	6,330.1	6,321.6	6,321.6	16.8	14.1	-36.45	-35.0	-60.1	546.3	518.4	27.87	19.601				
6,400.0	6,356.7	6,348.2	6,348.2	16.8	14.2	-36.20	-35.0	-60.1	545.9	517.9	27.95	19.532				
6,450.0	6,406.6	6,398.1	6,398.1	16.9	14.3	-36.56	-35.0	-60.1	542.9	514.9	28.03	19.369				
6,500.0	6,456.1	6,447.6	6,447.6	16.9	14.4	-37.28	-35.0	-60.1	537.3	509.2	28.05	19.153				
6,550.0	6,505.0	6,496.5	6,496.5	16.9	14.5	-38.39	-35.0	-60.1	528.9	500.9	28.02	18.877				
6,600.0	6,553.0	6,544.5	6,544.5	16.9	14.6	-39.90	-35.0	-60.1	518.0	490.0	27.95	18.532				
6,650.0	6,599.9	6,591.4	6,591.4	16.9	14.7	-41.85	-35.0	-60.1	504.6	476.7	27.87	18.104				
6,700.0	6,645.5	6,637.0	6,637.0	16.8	14.8	-44.29	-35.0	-60.1	489.0	461.2	27.82	17.581				
6,750.0	6,689.6	6,681.1	6,681.1	16.7	14.9	-47.26	-35.0	-60.1	471.6	443.7	27.83	16.947				
6,800.0	6,732.0	6,723.5	6,723.5	16.7	15.0	-50.78	-35.0	-60.1	452.5	424.6	27.94	16.197				
6,850.0	6,772.3	6,763.8	6,763.8	16.6	15.1	-54.87	-35.0	-60.1	432.3	404.1	28.18	15.339				
6,900.0	6,810.6	6,802.1	6,802.1	16.5	15.2	-59.49	-35.0	-60.1	411.5	383.0	28.58	14.401				
6,950.0	6,846.4	6,837.9	6,837.9	16.4	15.3	-64.56	-35.0	-60.1	390.8	361.7	29.10	13.432				
7,000.0	6,879.8	6,871.3	6,871.3	16.4	15.3	-69.90	-35.0	-60.1	371.0	341.4	29.69	12.498				
7,050.0	6,910.5	6,902.0	6,902.0	16.3	15.4	-75.28	-35.0	-60.1	353.1	322.9	30.28	11.665				
7,100.0	6,938.3	6,929.8	6,929.8	16.2	15.5	-80.42	-35.0	-60.1	338.3	307.5	30.79	10.988				
7,150.0	6,963.2	6,954.7	6,954.7	16.2	15.5	-85.05	-35.0	-60.1	327.7	296.5	31.19	10.507				
7,200.0	6,985.0	6,976.5	6,976.5	16.2	15.6	-88.94	-35.0	-60.1	322.6	291.1	31.48	10.246				
7,216.0	6,991.3	6,982.8	6,982.8	16.2	15.6	-90.00	-35.0	-60.1	322.2	290.7	31.56	10.208				
7,250.0	7,003.7	6,995.2	6,995.2	16.2	15.6	-91.92	-35.0	-60.1	323.8	292.1	31.71	10.211				
7,300.0	7,019.0	7,010.5	7,010.5	16.3	15.6	-93.85	-35.0	-60.1	331.8	299.9	31.92	10.396				
7,350.0	7,031.0	7,022.5	7,022.5	16.5	15.7	-94.66	-35.0	-60.1	346.7	314.5	32.16	10.778				
7,400.0	7,039.5	7,031.0	7,031.0	16.8	15.7	-94.30	-35.0	-60.1	367.7	335.2	32.46	11.325				
7,450.0	7,044.7	7,036.2	7,036.2	17.1	15.7	-92.72	-35.0	-60.1	394.0	361.2	32.82	12.008				
7,500.0	7,046.3	7,037.8	7,037.8	17.5	15.7	-89.89	-35.0	-60.1	424.8	391.6	33.17	12.807				
7,516.1	7,046.1	7,037.6	7,037.6	17.6	15.7	-88.71	-35.0	-60.1	435.4	402.2	33.27	13.088				
7,600.0	7,044.0	7,035.5	7,035.5	18.4	15.7	-88.34	-35.0	-60.1	495.7	461.8	33.98	14.588				
7,700.0	7,041.5	7,033.0	7,033.0	19.4	15.7	-87.90	-35.0	-60.1	575.4	540.4	34.97	16.452				
7,800.0	7,039.0	7,030.5	7,030.5	20.6	15.7	-87.46	-35.0	-60.1	660.6	624.5	36.09	18.302				
7,900.0	7,036.6	7,028.1	7,028.1	21.8	15.7	-87.02	-35.0	-60.1	749.5	712.1	37.32	20.081				

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 677- Matrix 23-29 Pad Sec.29-T6N-R65W - Matrix 24-29-17 - Wellbore #1 - Wellbore #1													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis			Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-117.30	-9.5	-18.4	23.2					
100.0	100.0	89.5	89.5	0.1	0.1	-117.55	-9.6	-18.3	20.7	20.5	0.21	96.504		
200.0	200.0	189.5	189.5	0.3	0.2	-118.42	-9.9	-18.3	20.8	20.2	0.55	37.561		
300.0	300.0	289.5	289.5	0.6	0.3	-119.89	-10.4	-18.1	20.9	20.0	0.89	23.460		
400.0	400.0	389.4	389.4	0.8	0.4	-121.94	-11.2	-17.9	21.1	19.9	1.23	17.189		
500.0	500.0	489.4	489.4	1.0	0.6	-124.53	-12.2	-17.7	21.5	19.9	1.57	13.693		
600.0	600.0	589.4	589.4	1.2	0.7	-127.59	-13.4	-17.4	22.0	20.0	1.91	11.508		
700.0	700.0	689.4	689.4	1.5	0.8	-131.02	-14.8	-17.0	22.6	20.3	2.26	10.007		
800.0	800.0	789.5	789.4	1.7	1.0	-133.35	-15.8	-16.7	23.0	20.3	2.68	8.565		
900.0	900.0	889.5	889.4	1.9	1.2	-135.16	-16.5	-16.4	23.2	20.1	3.11	7.481		
1,000.0	1,000.0	989.6	989.6	2.1	1.4	-134.90	-16.5	-16.6	23.4	19.9	3.53	6.622		
1,100.0	1,100.0	1,090.0	1,090.0	2.4	1.6	-130.15	-14.3	-17.0	22.2	18.2	3.95	5.617		
1,200.0	1,200.0	1,190.1	1,189.9	2.6	1.8	-116.04	-8.6	-17.7	19.7	15.3	4.38	4.496		
1,250.5	1,250.5	1,240.5	1,240.0	2.7	1.9	-103.46	-4.4	-18.6	19.1	14.5	4.60	4.153 CC, ES		
1,300.0	1,300.0	1,289.5	1,288.8	2.8	2.0	-89.02	0.3	-19.9	19.9	15.1	4.82	4.141 SF		
1,400.0	1,400.0	1,387.9	1,386.5	3.0	2.2	-64.56	11.7	-24.6	27.4	22.1	5.26	5.198		
1,500.0	1,500.0	1,485.7	1,483.1	3.3	2.5	-52.14	24.9	-32.1	41.1	35.4	5.70	7.212		
1,600.0	1,600.0	1,583.5	1,579.4	3.5	2.8	-47.84	38.2	-42.2	57.8	51.7	6.15	9.404		
1,700.0	1,700.0	1,681.1	1,675.4	3.7	3.1	-45.95	51.8	-53.6	75.8	69.2	6.61	11.480		
1,800.0	1,800.0	1,776.8	1,769.1	3.9	3.5	-44.22	66.9	-65.1	95.6	88.5	7.07	13.513		
1,900.0	1,900.0	1,870.6	1,860.4	4.2	3.8	-42.97	84.1	-78.3	118.5	110.9	7.56	15.683		
2,000.0	2,000.0	1,963.9	1,950.6	4.4	4.3	-42.73	102.1	-94.3	144.3	136.3	8.05	17.921		
2,100.0	2,100.0	2,059.8	2,042.8	4.6	4.7	-42.98	120.9	-112.6	171.7	163.1	8.56	20.062		
2,200.0	2,200.0	2,154.0	2,133.4	4.8	5.1	-42.95	139.9	-130.2	199.2	190.1	9.06	21.983		
2,300.0	2,300.0	2,249.5	2,224.9	5.1	5.6	-42.56	160.8	-147.6	227.6	218.0	9.58	23.752		
2,400.0	2,400.0	2,348.3	2,319.8	5.3	6.1	-42.20	182.1	-165.2	255.5	245.4	10.11	25.270		
2,500.0	2,500.0	2,442.7	2,410.6	5.5	6.6	-42.02	201.9	-181.9	283.0	272.3	10.64	26.605		
2,600.0	2,600.0	2,534.3	2,498.3	5.7	7.1	167.32	222.2	-198.3	313.1	302.4	10.70	29.265		
2,700.0	2,699.8	2,626.4	2,586.3	5.9	7.6	167.63	243.5	-215.1	347.4	336.3	11.08	31.347		
2,800.0	2,799.5	2,711.8	2,667.7	6.1	8.1	167.87	263.6	-231.6	385.8	374.3	11.44	33.726		
2,900.0	2,898.7	2,792.4	2,743.9	6.3	8.6	168.06	283.7	-248.4	429.3	417.5	11.78	36.455		
2,978.7	2,976.4	2,859.3	2,806.8	6.4	9.0	168.10	300.7	-263.7	467.0	455.0	12.04	38.785		
3,000.0	2,997.5	2,880.2	2,826.5	6.5	9.1	168.16	305.9	-268.5	477.4	465.3	12.13	39.347		
3,100.0	3,096.1	2,976.0	2,917.0	6.7	9.7	168.35	328.7	-290.2	525.1	512.6	12.56	41.817		
3,200.0	3,194.7	3,062.3	2,998.7	6.9	10.2	168.48	348.5	-309.4	572.1	559.1	12.97	44.125		
3,300.0	3,293.3	3,154.5	3,085.8	7.2	10.7	168.55	370.0	-330.7	619.8	606.4	13.40	46.259		
3,400.0	3,391.9	3,252.1	3,178.7	7.5	11.3	168.51	390.5	-352.7	665.5	651.6	13.85	48.056		
3,500.0	3,490.5	3,341.6	3,263.8	7.7	11.8	168.58	410.1	-372.1	711.3	697.0	14.28	49.812		
3,600.0	3,589.1	3,440.7	3,358.4	8.0	12.4	168.67	431.2	-392.8	756.2	741.5	14.74	51.305		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	127.44	-85.2	111.3	140.2						
100.0	100.0	100.0	100.0	0.1	0.1	127.44	-85.2	111.3	140.2	140.0	0.22	623.824			
200.0	200.0	200.0	200.0	0.3	0.3	127.44	-85.2	111.3	140.2	139.5	0.67	207.941			
300.0	300.0	303.6	303.6	0.6	0.6	127.98	-85.5	109.5	138.9	137.8	1.12	123.968			
400.0	400.0	407.0	406.8	0.8	0.8	129.64	-86.1	103.9	135.1	133.5	1.58	85.671			
500.0	500.0	509.8	509.2	1.0	1.1	132.61	-87.1	94.7	129.0	126.9	2.06	62.496			
600.0	600.0	611.8	610.4	1.2	1.4	137.20	-88.5	82.0	121.1	118.5	2.59	46.744			
700.0	700.0	712.8	710.0	1.5	1.7	143.90	-90.3	65.8	112.2	109.0	3.16	35.478			
800.0	800.0	812.5	807.8	1.7	2.1	153.29	-92.4	46.5	103.7	100.0	3.77	27.492			
900.0	900.0	910.7	903.4	1.9	2.5	165.72	-94.9	24.1	98.0	93.6	4.39	22.329			
955.0	955.0	964.0	955.0	2.0	2.8	173.69	-96.4	10.7	97.0	92.3	4.70	20.615 CC, ES			
1,000.0	1,000.0	1,007.3	996.6	2.1	3.1	-179.43	-97.7	-1.0	97.7	92.8	4.93	19.825			
1,100.0	1,100.0	1,102.0	1,087.1	2.4	3.6	-164.13	-100.7	-28.6	105.5	100.2	5.35	19.729 SF			
1,200.0	1,200.0	1,195.8	1,176.0	2.6	4.2	-150.60	-104.0	-58.6	121.8	116.1	5.69	21.415			
1,300.0	1,300.0	1,290.4	1,265.4	2.8	4.8	-140.28	-107.4	-89.2	143.9	137.9	6.03	23.863			
1,400.0	1,400.0	1,384.9	1,354.8	3.0	5.5	-132.76	-110.8	-119.8	169.4	162.9	6.43	26.340			
1,500.0	1,500.0	1,479.4	1,444.2	3.3	6.1	-127.20	-114.2	-150.4	197.0	190.1	6.89	28.575			
1,600.0	1,600.0	1,574.0	1,533.6	3.5	6.8	-123.00	-117.6	-181.0	225.9	218.5	7.40	30.508			
1,700.0	1,700.0	1,668.5	1,623.0	3.7	7.4	-119.75	-121.0	-211.7	255.7	247.7	7.95	32.160			
1,800.0	1,800.0	1,763.1	1,712.4	3.9	8.1	-117.17	-124.3	-242.3	286.1	277.5	8.52	33.576			
1,900.0	1,900.0	1,857.6	1,801.8	4.2	8.7	-115.09	-127.7	-272.9	316.9	307.8	9.11	34.795			
2,000.0	2,000.0	1,952.2	1,891.2	4.4	9.4	-113.37	-131.1	-303.5	348.0	338.3	9.71	35.855			
2,100.0	2,100.0	2,046.7	1,980.5	4.6	10.0	-111.93	-134.5	-334.1	379.4	369.1	10.31	36.784			
2,200.0	2,200.0	2,141.3	2,069.9	4.8	10.7	-110.71	-137.9	-364.7	411.0	400.1	10.93	37.604			
2,300.0	2,300.0	2,235.8	2,159.3	5.1	11.4	-109.67	-141.3	-395.3	442.7	431.1	11.55	38.334			
2,400.0	2,400.0	2,330.4	2,248.7	5.3	12.0	-108.76	-144.7	-425.9	474.5	462.4	12.17	38.987			
2,500.0	2,500.0	2,424.9	2,338.1	5.5	12.7	-107.97	-148.0	-456.5	506.4	493.6	12.80	39.575			
2,600.0	2,600.0	2,519.2	2,427.3	5.7	13.3	101.38	-151.4	-487.0	538.8	526.1	12.71	42.390			
2,700.0	2,699.8	2,613.0	2,515.9	5.9	14.0	101.84	-154.8	-517.3	571.9	558.8	13.14	43.511			
2,800.0	2,799.5	2,706.1	2,604.0	6.1	14.6	102.48	-158.1	-547.5	606.0	592.4	13.57	44.665			
2,900.0	2,898.7	2,798.4	2,691.2	6.3	15.3	103.27	-161.4	-577.4	641.1	627.1	13.98	45.843			
2,978.7	2,976.4	2,870.4	2,759.3	6.4	15.8	103.97	-164.0	-600.6	669.6	655.3	14.31	46.775			
3,000.0	2,997.5	2,889.8	2,777.7	6.5	15.9	104.32	-164.7	-606.9	677.4	663.0	14.40	47.048			
3,100.0	3,096.1	2,980.9	2,863.8	6.7	16.5	105.89	-167.9	-636.4	714.4	699.6	14.81	48.245			
3,200.0	3,194.7	3,072.1	2,950.0	6.9	17.2	107.30	-171.2	-665.9	751.9	736.6	15.25	49.308			
3,300.0	3,293.3	3,163.2	3,036.2	7.2	17.8	108.59	-174.5	-695.4	789.7	774.0	15.72	50.252			

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	122.01	-77.6	124.1	146.4					
100.0	100.0	100.0	100.0	0.1	0.1	122.01	-77.6	124.1	146.4	146.2	0.22	651.274		
200.0	200.0	200.0	200.0	0.3	0.3	122.01	-77.6	124.1	146.4	145.7	0.67	217.091		
300.0	300.0	300.0	300.0	0.6	0.6	122.01	-77.6	124.1	146.4	145.3	1.12	130.255		
400.0	400.0	400.0	400.0	0.8	0.8	122.01	-77.6	124.1	146.4	144.8	1.57	93.039		
500.0	500.0	504.0	504.0	1.0	1.0	122.50	-77.9	122.3	145.0	143.0	2.02	71.876		
600.0	600.0	607.7	607.5	1.2	1.2	124.01	-78.7	116.7	141.0	138.5	2.46	57.227		
700.0	700.0	710.9	710.3	1.5	1.5	126.71	-80.1	107.5	134.4	131.5	2.93	45.811		
800.0	800.0	813.3	811.8	1.7	1.8	130.90	-82.0	94.7	125.9	122.4	3.44	36.573		
900.0	900.0	914.6	911.8	1.9	2.1	137.09	-84.5	78.6	116.0	112.0	3.99	29.039		
1,000.0	1,000.0	1,014.6	1,009.9	2.1	2.5	145.90	-87.4	59.2	106.0	101.4	4.59	23.089		
1,100.0	1,100.0	1,113.1	1,105.8	2.4	2.9	157.93	-90.8	36.8	98.2	92.9	5.21	18.834		
1,190.2	1,190.2	1,200.5	1,190.2	2.6	3.3	171.40	-94.2	14.2	95.3	89.6	5.72	16.648 CC		
1,200.0	1,200.0	1,210.0	1,199.2	2.6	3.4	172.98	-94.6	11.7	95.3	89.6	5.78	16.505 ES		
1,300.0	1,300.0	1,305.8	1,291.1	2.8	3.9	-171.20	-98.7	-15.3	100.3	94.0	6.21	16.136 SF		
1,400.0	1,400.0	1,401.7	1,383.0	3.0	4.4	-157.64	-102.8	-42.3	112.4	105.9	6.55	17.166		
1,500.0	1,500.0	1,497.6	1,474.9	3.3	5.0	-147.05	-106.8	-69.3	129.8	122.9	6.88	18.872		
1,600.0	1,600.0	1,593.4	1,566.8	3.5	5.6	-139.05	-110.9	-96.2	150.6	143.3	7.25	20.768		
1,700.0	1,700.0	1,689.3	1,658.7	3.7	6.1	-133.02	-115.0	-123.2	173.5	165.9	7.68	22.608		
1,800.0	1,800.0	1,785.1	1,750.6	3.9	6.7	-128.41	-119.1	-150.2	198.0	189.8	8.15	24.294		
1,900.0	1,900.0	1,881.0	1,842.5	4.2	7.3	-124.80	-123.2	-177.2	223.3	214.7	8.66	25.805		
2,000.0	2,000.0	1,976.9	1,934.4	4.4	7.8	-121.93	-127.3	-204.2	249.4	240.2	9.19	27.148		
2,100.0	2,100.0	2,072.7	2,026.3	4.6	8.4	-119.60	-131.3	-231.2	275.9	266.2	9.73	28.344		
2,200.0	2,200.0	2,168.6	2,118.2	4.8	9.0	-117.68	-135.4	-258.2	302.8	292.5	10.30	29.409		
2,300.0	2,300.0	2,264.4	2,210.1	5.1	9.6	-116.07	-139.5	-285.2	330.0	319.1	10.87	30.364		
2,400.0	2,400.0	2,360.3	2,301.9	5.3	10.2	-114.70	-143.6	-312.2	357.3	345.9	11.44	31.222		
2,500.0	2,500.0	2,456.2	2,393.8	5.5	10.7	-113.53	-147.7	-339.1	384.8	372.8	12.03	31.998		
2,600.0	2,600.0	2,551.8	2,485.5	5.7	11.3	96.29	-151.7	-366.1	412.7	400.3	12.41	33.253		
2,700.0	2,699.8	2,647.0	2,576.8	5.9	11.9	97.27	-155.8	-392.9	441.1	428.3	12.82	34.408		
2,800.0	2,799.5	2,741.6	2,667.5	6.1	12.5	98.46	-159.8	-419.5	470.3	457.1	13.22	35.581		
2,900.0	2,898.7	2,835.6	2,757.5	6.3	13.1	99.82	-163.8	-446.0	500.5	486.9	13.61	36.766		
2,978.7	2,976.4	2,908.9	2,827.8	6.4	13.5	100.98	-166.9	-466.6	525.1	511.2	13.93	37.700		
3,000.0	2,997.5	2,928.7	2,846.8	6.5	13.6	101.43	-167.8	-472.2	531.9	517.9	14.01	37.964		
3,100.0	3,096.1	3,021.6	2,935.8	6.7	14.2	103.43	-171.7	-498.3	564.1	549.7	14.42	39.130		
3,200.0	3,194.7	3,114.4	3,024.9	6.9	14.8	105.21	-175.7	-524.5	596.9	582.0	14.85	40.182		
3,300.0	3,293.3	3,207.3	3,113.9	7.2	15.3	106.82	-179.7	-550.6	630.2	614.8	15.32	41.129		
3,400.0	3,391.9	3,300.2	3,202.9	7.5	15.9	108.26	-183.6	-576.8	663.8	648.0	15.81	41.981		
3,500.0	3,490.5	3,393.0	3,291.9	7.7	16.5	109.57	-187.6	-602.9	697.8	681.5	16.32	42.748		
3,600.0	3,589.1	3,485.9	3,380.9	8.0	17.0	110.76	-191.5	-629.0	732.1	715.3	16.85	43.439		
3,700.0	3,687.7	3,578.8	3,470.0	8.3	17.6	111.85	-195.5	-655.2	766.7	749.3	17.40	44.062		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	117.06	-70.0	136.9	153.8					
100.0	100.0	100.0	100.0	0.1	0.1	117.06	-70.0	136.9	153.8	153.5	0.22	684.104		
200.0	200.0	200.0	200.0	0.3	0.3	117.06	-70.0	136.9	153.8	153.1	0.67	228.035		
300.0	300.0	300.0	300.0	0.6	0.6	117.06	-70.0	136.9	153.8	152.6	1.12	136.821		
400.0	400.0	400.0	400.0	0.8	0.8	117.06	-70.0	136.9	153.8	152.2	1.57	97.729		
500.0	500.0	500.0	500.0	1.0	1.0	117.06	-70.0	136.9	153.8	151.7	2.02	76.012		
600.0	600.0	600.0	600.0	1.2	1.2	117.06	-70.0	136.9	153.8	151.3	2.47	62.191		
700.0	700.0	704.3	704.3	1.5	1.5	117.52	-70.4	135.1	152.4	149.4	2.92	52.262		
800.0	800.0	808.3	808.1	1.7	1.7	118.92	-71.5	129.5	148.2	144.8	3.35	44.176		
900.0	900.0	911.8	911.2	1.9	1.9	121.42	-73.5	120.4	141.5	137.7	3.82	37.077		
1,000.0	1,000.0	1,014.5	1,013.0	2.1	2.2	125.30	-76.2	107.7	132.6	128.3	4.31	30.772		
1,100.0	1,100.0	1,116.1	1,113.3	2.4	2.5	131.02	-79.7	91.6	122.1	117.3	4.84	25.219		
1,200.0	1,200.0	1,216.4	1,211.6	2.6	2.8	139.20	-83.8	72.3	111.3	105.9	5.43	20.516		
1,300.0	1,300.0	1,315.2	1,307.8	2.8	3.2	150.51	-88.6	50.1	102.0	96.0	6.04	16.905		
1,400.0	1,400.0	1,412.1	1,401.7	3.0	3.7	164.08	-93.6	26.7	97.3	90.7	6.61	14.723		
1,427.1	1,427.1	1,438.4	1,427.1	3.1	3.8	167.90	-94.9	20.3	97.1	90.3	6.75	14.384 CC, ES		
1,500.0	1,500.0	1,509.0	1,495.6	3.3	4.2	178.08	-98.6	3.3	98.8	91.7	7.08	13.950 SF		
1,600.0	1,600.0	1,605.9	1,589.5	3.5	4.6	-169.02	-103.6	-20.1	106.1	98.6	7.45	14.236		
1,700.0	1,700.0	1,702.8	1,683.4	3.7	5.1	-158.18	-108.6	-43.5	118.2	110.4	7.78	15.183		
1,800.0	1,800.0	1,799.7	1,777.3	3.9	5.6	-149.52	-113.6	-66.9	133.8	125.7	8.13	16.455		
1,900.0	1,900.0	1,896.6	1,871.2	4.2	6.1	-142.73	-118.7	-90.3	151.9	143.3	8.52	17.830		
2,000.0	2,000.0	1,993.5	1,965.1	4.4	6.6	-137.41	-123.7	-113.7	171.6	162.6	8.94	19.187		
2,100.0	2,100.0	2,090.4	2,059.0	4.6	7.1	-133.19	-128.7	-137.1	192.5	183.0	9.40	20.470		
2,200.0	2,200.0	2,187.3	2,152.9	4.8	7.6	-129.80	-133.7	-160.5	214.1	204.2	9.89	21.659		
2,300.0	2,300.0	2,284.2	2,246.8	5.1	8.1	-127.03	-138.7	-183.9	236.4	226.0	10.39	22.750		
2,400.0	2,400.0	2,381.1	2,340.7	5.3	8.6	-124.74	-143.7	-207.3	259.1	248.2	10.91	23.748		
2,500.0	2,500.0	2,478.0	2,434.6	5.5	9.1	-122.81	-148.7	-230.7	282.2	270.7	11.44	24.661		
2,600.0	2,600.0	2,574.8	2,528.3	5.7	9.6	87.81	-153.7	-254.0	305.4	293.2	12.22	24.996		
2,700.0	2,699.8	2,671.1	2,621.7	5.9	10.2	89.62	-158.7	-277.3	328.9	316.3	12.60	26.108		
2,800.0	2,799.5	2,767.0	2,714.7	6.1	10.7	91.68	-163.7	-300.5	353.0	340.0	12.97	27.220		
2,900.0	2,898.7	2,862.3	2,807.0	6.3	11.2	93.91	-168.6	-323.5	377.9	364.6	13.34	28.335		
2,978.7	2,976.4	2,936.8	2,879.2	6.4	11.6	95.75	-172.5	-341.5	398.3	384.7	13.64	29.211		
3,000.0	2,997.5	2,956.9	2,898.7	6.5	11.7	96.37	-173.5	-346.3	404.0	390.2	13.71	29.456		
3,100.0	3,096.1	3,051.3	2,990.1	6.7	12.2	99.04	-178.4	-369.1	431.0	416.9	14.11	30.550		
3,200.0	3,194.7	3,145.6	3,081.5	6.9	12.7	101.41	-183.3	-391.9	458.9	444.3	14.54	31.561		
3,300.0	3,293.3	3,240.0	3,173.0	7.2	13.2	103.51	-188.2	-414.7	487.4	472.4	15.00	32.489		
3,400.0	3,391.9	3,334.3	3,264.4	7.5	13.7	105.38	-193.1	-437.5	516.5	501.0	15.49	33.339		
3,500.0	3,490.5	3,428.7	3,355.8	7.7	14.2	107.05	-197.9	-460.2	546.0	530.0	16.00	34.118		
3,600.0	3,589.1	3,523.0	3,447.2	8.0	14.7	108.56	-202.8	-483.0	575.9	559.4	16.54	34.830		
3,700.0	3,687.7	3,617.4	3,538.7	8.3	15.2	109.92	-207.7	-505.8	606.2	589.1	17.08	35.484		
3,800.0	3,786.3	3,711.7	3,630.1	8.6	15.7	111.15	-212.6	-528.6	636.7	619.1	17.65	36.084		
3,900.0	3,884.9	3,806.1	3,721.5	8.9	16.2	112.27	-217.5	-551.4	667.5	649.3	18.22	36.637		
4,000.0	3,983.6	3,900.4	3,813.0	9.3	16.7	113.30	-222.3	-574.1	698.5	679.7	18.80	37.148		
4,100.0	4,082.2	3,994.8	3,904.4	9.6	17.2	114.23	-227.2	-596.9	729.7	710.3	19.40	37.621		
4,200.0	4,180.8	4,089.1	3,995.8	9.9	17.7	115.10	-232.1	-619.7	761.1	741.1	20.00	38.059		
4,300.0	4,279.4	4,183.5	4,087.2	10.2	18.2	115.89	-237.0	-642.5	792.6	772.0	20.60	38.467		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	112.59	-62.3	149.7	162.2					
100.0	100.0	100.0	100.0	0.1	0.1	112.59	-62.3	149.7	162.2	162.0	0.22	721.531		
200.0	200.0	200.0	200.0	0.3	0.3	112.59	-62.3	149.7	162.2	161.5	0.67	240.510		
300.0	300.0	300.0	300.0	0.6	0.6	112.59	-62.3	149.7	162.2	161.1	1.12	144.306		
400.0	400.0	400.0	400.0	0.8	0.8	112.59	-62.3	149.7	162.2	160.6	1.57	103.076		
500.0	500.0	500.0	500.0	1.0	1.0	112.59	-62.3	149.7	162.2	160.2	2.02	80.170		
600.0	600.0	600.0	600.0	1.2	1.2	112.59	-62.3	149.7	162.2	159.7	2.47	65.594		
700.0	700.0	700.0	700.0	1.5	1.5	112.59	-62.3	149.7	162.2	159.3	2.92	55.502		
800.0	800.0	800.0	800.0	1.7	1.7	112.59	-62.3	149.7	162.2	158.8	3.37	48.102		
900.0	900.0	904.7	904.7	1.9	1.9	113.01	-62.8	147.9	160.7	156.9	3.81	42.143		
1,000.0	1,000.0	1,009.1	1,008.9	2.1	2.1	114.29	-64.2	142.3	156.4	152.2	4.25	36.810		
1,100.0	1,100.0	1,112.9	1,112.3	2.4	2.3	116.57	-66.6	133.2	149.4	144.7	4.70	31.774		
1,200.0	1,200.0	1,215.9	1,214.5	2.6	2.6	120.11	-69.9	120.6	140.1	134.9	5.18	27.025		
1,300.0	1,300.0	1,317.9	1,315.1	2.8	2.9	125.32	-74.1	104.5	129.0	123.3	5.71	22.614		
1,400.0	1,400.0	1,418.5	1,413.7	3.0	3.2	132.81	-79.1	85.4	117.2	110.9	6.27	18.680		
1,500.0	1,500.0	1,516.9	1,509.5	3.3	3.6	142.96	-84.7	63.9	106.5	99.6	6.87	15.492		
1,600.0	1,600.0	1,614.2	1,604.3	3.5	4.0	154.89	-90.3	42.3	99.8	92.3	7.45	13.391		
1,681.6	1,681.6	1,693.7	1,681.6	3.7	4.4	165.40	-94.9	24.7	98.0	90.2	7.87	12.454 CC, ES		
1,700.0	1,700.0	1,711.5	1,699.0	3.7	4.4	167.79	-95.9	20.7	98.1	90.2	7.96	12.331		
1,800.0	1,800.0	1,808.9	1,793.8	3.9	4.9	-179.54	-101.5	-0.8	101.7	93.3	8.37	12.153 SF		
1,900.0	1,900.0	1,906.2	1,888.6	4.2	5.3	-168.20	-107.1	-22.4	110.0	101.3	8.72	12.623		
2,000.0	2,000.0	2,003.6	1,983.3	4.4	5.8	-158.70	-112.8	-44.0	122.2	113.1	9.05	13.494		
2,100.0	2,100.0	2,100.9	2,078.1	4.6	6.2	-151.03	-118.4	-65.5	137.1	127.7	9.41	14.565		
2,200.0	2,200.0	2,198.3	2,172.8	4.8	6.7	-144.91	-124.0	-87.1	153.9	144.1	9.80	15.705		
2,300.0	2,300.0	2,295.6	2,267.6	5.1	7.2	-140.02	-129.6	-108.7	172.2	162.0	10.23	16.838		
2,400.0	2,400.0	2,392.9	2,362.3	5.3	7.6	-136.08	-135.2	-130.2	191.5	180.8	10.68	17.926		
2,500.0	2,500.0	2,490.3	2,457.1	5.5	8.1	-132.85	-140.8	-151.8	211.5	200.3	11.16	18.953		
2,600.0	2,600.0	2,587.5	2,551.7	5.7	8.6	78.96	-146.4	-173.3	231.7	219.5	12.15	19.062		
2,700.0	2,699.8	2,684.4	2,646.1	5.9	9.1	81.92	-152.0	-194.8	251.9	239.4	12.50	20.150		
2,800.0	2,799.5	2,780.9	2,740.0	6.1	9.5	85.08	-157.6	-216.2	272.7	259.8	12.84	21.229		
2,900.0	2,898.7	2,876.8	2,833.3	6.3	10.0	88.37	-163.1	-237.4	294.2	281.0	13.18	22.312		
2,978.7	2,976.4	2,951.8	2,906.3	6.4	10.4	91.02	-167.5	-254.1	311.9	298.5	13.46	23.169		
3,000.0	2,997.5	2,972.1	2,926.1	6.5	10.5	91.83	-168.6	-258.5	316.9	303.3	13.54	23.407		
3,100.0	3,096.1	3,067.1	3,018.6	6.7	10.9	95.31	-174.1	-279.6	340.9	327.0	13.92	24.494		
3,200.0	3,194.7	3,162.1	3,111.1	6.9	11.4	98.35	-179.6	-300.7	365.9	351.6	14.34	25.524		
3,300.0	3,293.3	3,257.2	3,203.6	7.2	11.9	101.00	-185.1	-321.7	391.9	377.1	14.79	26.489		
3,400.0	3,391.9	3,352.2	3,296.1	7.5	12.4	103.33	-190.6	-342.8	418.5	403.3	15.28	27.389		
3,500.0	3,490.5	3,447.2	3,388.6	7.7	12.8	105.38	-196.1	-363.8	445.8	430.0	15.79	28.225		
3,600.0	3,589.1	3,542.3	3,481.1	8.0	13.3	107.20	-201.5	-384.9	473.5	457.1	16.33	29.001		
3,700.0	3,687.7	3,637.3	3,573.6	8.3	13.8	108.82	-207.0	-405.9	501.6	484.7	16.88	29.721		
3,800.0	3,786.3	3,732.3	3,666.1	8.6	14.3	110.27	-212.5	-427.0	530.0	512.6	17.44	30.390		
3,900.0	3,884.9	3,827.3	3,758.6	8.9	14.7	111.58	-218.0	-448.1	558.8	540.8	18.02	31.012		
4,000.0	3,983.6	3,922.4	3,851.1	9.3	15.2	112.76	-223.5	-469.1	587.7	569.1	18.60	31.592		
4,100.0	4,082.2	4,017.4	3,943.7	9.6	15.7	113.83	-229.0	-490.2	616.9	597.7	19.20	32.133		
4,200.0	4,180.8	4,112.4	4,036.2	9.9	16.2	114.80	-234.4	-511.2	646.3	626.5	19.80	32.639		
4,300.0	4,279.4	4,207.5	4,128.7	10.2	16.6	115.69	-239.9	-532.3	675.8	655.4	20.41	33.113		
4,400.0	4,378.0	4,302.5	4,221.2	10.6	17.1	116.50	-245.4	-553.3	705.5	684.5	21.02	33.557		
4,500.0	4,476.6	4,397.5	4,313.7	10.9	17.6	117.25	-250.9	-574.4	735.3	713.6	21.64	33.975		
4,600.0	4,575.2	4,492.6	4,406.2	11.3	18.1	117.95	-256.4	-595.4	765.2	742.9	22.26	34.368		
4,700.0	4,673.8	4,587.6	4,498.7	11.6	18.5	118.59	-261.9	-616.5	795.2	772.3	22.89	34.739		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	108.55	-54.6	162.8	171.7					
100.0	100.0	99.0	99.0	0.1	0.1	108.55	-54.6	162.8	171.7	171.5	0.22	767.892		
200.0	200.0	199.0	199.0	0.3	0.3	108.55	-54.6	162.8	171.7	171.1	0.67	255.538		
300.0	300.0	299.0	299.0	0.6	0.6	108.55	-54.6	162.8	171.7	170.6	1.12	153.118		
400.0	400.0	399.0	399.0	0.8	0.8	108.55	-54.6	162.8	171.7	170.2	1.57	109.308		
500.0	500.0	499.0	499.0	1.0	1.0	108.55	-54.6	162.8	171.7	169.7	2.02	84.990		
600.0	600.0	599.0	599.0	1.2	1.2	108.55	-54.6	162.8	171.7	169.3	2.47	69.523		
700.0	700.0	699.0	699.0	1.5	1.5	108.55	-54.6	162.8	171.7	168.8	2.92	58.819		
800.0	800.0	799.0	799.0	1.7	1.7	108.55	-54.6	162.8	171.7	168.4	3.37	50.971		
900.0	900.0	899.0	899.0	1.9	1.9	108.55	-54.6	162.8	171.7	167.9	3.82	44.971		
1,000.0	1,000.0	999.0	999.0	2.1	2.1	108.55	-54.6	162.8	171.7	167.5	4.27	40.235		
1,100.0	1,100.0	1,104.0	1,104.0	2.4	2.4	108.93	-55.2	161.0	170.3	165.6	4.71	36.154		
1,200.0	1,200.0	1,208.7	1,208.5	2.6	2.6	110.11	-57.0	155.6	165.9	160.8	5.14	32.270		
1,300.0	1,300.0	1,312.9	1,312.3	2.8	2.8	112.22	-59.9	146.5	158.9	153.3	5.59	28.416		
1,400.0	1,400.0	1,416.3	1,414.8	3.0	3.0	115.47	-63.9	134.1	149.3	143.3	6.06	24.629		
1,500.0	1,500.0	1,518.6	1,515.8	3.3	3.3	120.24	-68.9	118.2	137.9	131.3	6.57	20.981		
1,600.0	1,600.0	1,619.6	1,614.7	3.5	3.6	127.07	-75.0	99.2	125.4	118.3	7.12	17.605		
1,700.0	1,700.0	1,717.4	1,710.2	3.7	4.0	135.86	-81.5	79.1	114.1	106.4	7.71	14.802		
1,800.0	1,800.0	1,815.0	1,805.5	3.9	4.4	146.19	-87.9	58.9	106.0	97.7	8.28	12.798		
1,900.0	1,900.0	1,912.6	1,900.8	4.2	4.8	157.69	-94.4	38.7	102.0	93.2	8.82	11.572		
1,938.3	1,938.3	1,950.0	1,937.3	4.2	4.9	162.25	-96.8	31.0	101.7	92.7	9.00	11.296 CC, ES		
2,000.0	2,000.0	2,010.2	1,996.1	4.4	5.2	169.58	-100.8	18.5	102.6	93.3	9.27	11.061 SF		
2,100.0	2,100.0	2,107.8	2,091.4	4.6	5.6	-179.13	-107.3	-1.6	107.6	97.9	9.65	11.141		
2,200.0	2,200.0	2,205.5	2,186.7	4.8	6.0	-169.15	-113.7	-21.8	116.5	106.5	10.00	11.648		
2,300.0	2,300.0	2,303.1	2,282.0	5.1	6.4	-160.75	-120.2	-42.0	128.4	118.1	10.34	12.421		
2,400.0	2,400.0	2,400.7	2,377.3	5.3	6.9	-153.87	-126.6	-62.1	142.7	132.0	10.70	13.334		
2,500.0	2,500.0	2,498.3	2,472.6	5.5	7.3	-148.27	-133.1	-82.3	158.7	147.6	11.10	14.300		
2,600.0	2,600.0	2,595.8	2,567.8	5.7	7.8	65.63	-139.5	-102.5	175.2	163.0	12.20	14.361		
2,700.0	2,699.8	2,693.1	2,662.7	5.9	8.2	70.45	-146.0	-122.5	191.7	179.1	12.52	15.312		
2,800.0	2,799.5	2,790.0	2,757.3	6.1	8.7	75.32	-152.4	-142.6	208.5	195.7	12.82	16.267		
2,900.0	2,898.7	2,886.3	2,851.3	6.3	9.1	80.21	-158.8	-162.5	226.3	213.2	13.12	17.245		
2,978.7	2,976.4	2,961.7	2,924.9	6.4	9.5	84.02	-163.7	-178.0	241.2	227.8	13.37	18.035		
3,000.0	2,997.5	2,982.1	2,944.8	6.5	9.6	85.12	-165.1	-182.3	245.4	231.9	13.44	18.256		
3,100.0	3,096.1	3,077.6	3,038.1	6.7	10.0	89.80	-171.4	-202.0	266.2	252.4	13.79	19.299		
3,200.0	3,194.7	3,173.2	3,131.4	6.9	10.4	93.81	-177.7	-221.7	288.6	274.4	14.20	20.326		
3,300.0	3,293.3	3,268.7	3,224.6	7.2	10.9	97.24	-184.0	-241.5	312.1	297.5	14.64	21.315		
3,400.0	3,391.9	3,364.3	3,317.9	7.5	11.3	100.20	-190.4	-261.2	336.6	321.5	15.12	22.256		
3,500.0	3,490.5	3,459.8	3,411.2	7.7	11.8	102.76	-196.7	-281.0	361.8	346.2	15.63	23.144		
3,600.0	3,589.1	3,555.4	3,504.4	8.0	12.2	104.99	-203.0	-300.7	387.7	371.5	16.17	23.978		
3,700.0	3,687.7	3,650.9	3,597.7	8.3	12.7	106.95	-209.3	-320.4	414.0	397.3	16.72	24.761		
3,800.0	3,786.3	3,746.5	3,691.0	8.6	13.2	108.68	-215.6	-340.2	440.7	423.4	17.29	25.494		
3,900.0	3,884.9	3,842.0	3,784.3	8.9	13.6	110.20	-221.9	-359.9	467.8	449.9	17.87	26.181		
4,000.0	3,983.6	3,937.6	3,877.5	9.3	14.1	111.57	-228.3	-379.7	495.1	476.7	18.46	26.825		
4,100.0	4,082.2	4,033.1	3,970.8	9.6	14.5	112.79	-234.6	-399.4	522.7	503.7	19.06	27.430		
4,200.0	4,180.8	4,128.6	4,064.1	9.9	15.0	113.89	-240.9	-419.1	550.5	530.8	19.66	27.997		
4,300.0	4,279.4	4,224.2	4,157.3	10.2	15.4	114.88	-247.2	-438.9	578.5	558.2	20.27	28.531		
4,400.0	4,378.0	4,319.7	4,250.6	10.6	15.9	115.79	-253.5	-458.6	606.6	585.7	20.89	29.034		
4,500.0	4,476.6	4,415.3	4,343.9	10.9	16.3	116.61	-259.9	-478.4	634.8	613.3	21.51	29.508		
4,600.0	4,575.2	4,510.8	4,437.2	11.3	16.8	117.37	-266.2	-498.1	663.1	641.0	22.14	29.955		
4,700.0	4,673.8	4,606.4	4,530.4	11.6	17.2	118.06	-272.5	-517.8	691.6	668.8	22.77	30.378		
4,800.0	4,772.4	4,701.9	4,623.7	12.0	17.7	118.70	-278.8	-537.6	720.1	696.7	23.40	30.778		
4,900.0	4,871.0	4,797.5	4,717.0	12.3	18.2	119.29	-285.1	-557.3	748.7	724.7	24.03	31.157		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.0	4,969.6	4,893.0	4,810.3	12.7	18.6	119.84	-291.4	-577.1	777.4	752.7	24.67	31.516	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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	Offset	Semi Major Axis		Distance										Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	104.98	-47.0	175.6	181.8					
100.0	100.0	100.0	100.0	0.1	0.1	104.98	-47.0	175.6	181.8	181.6	0.22	808.796		
200.0	200.0	200.0	200.0	0.3	0.3	104.98	-47.0	175.6	181.8	181.1	0.67	269.599		
300.0	300.0	300.0	300.0	0.6	0.6	104.98	-47.0	175.6	181.8	180.7	1.12	161.759		
400.0	400.0	400.0	400.0	0.8	0.8	104.98	-47.0	175.6	181.8	180.2	1.57	115.542		
500.0	500.0	500.0	500.0	1.0	1.0	104.98	-47.0	175.6	181.8	179.8	2.02	89.866		
600.0	600.0	600.0	600.0	1.2	1.2	104.98	-47.0	175.6	181.8	179.3	2.47	73.527		
700.0	700.0	700.0	700.0	1.5	1.5	104.98	-47.0	175.6	181.8	178.9	2.92	62.215		
800.0	800.0	800.0	800.0	1.7	1.7	104.98	-47.0	175.6	181.8	178.4	3.37	53.920		
900.0	900.0	900.0	900.0	1.9	1.9	104.98	-47.0	175.6	181.8	178.0	3.82	47.576		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	104.98	-47.0	175.6	181.8	177.5	4.27	42.568		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	104.98	-47.0	175.6	181.8	177.1	4.72	38.514		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	104.98	-47.0	175.6	181.8	176.6	5.17	35.165		
1,300.0	1,300.0	1,305.1	1,305.1	2.8	2.8	105.37	-47.8	173.9	180.4	174.8	5.61	32.157		
1,400.0	1,400.0	1,409.9	1,409.9	3.0	3.0	106.57	-50.2	168.6	176.2	170.2	6.04	29.186		
1,500.0	1,500.0	1,514.2	1,513.6	3.3	3.2	108.70	-54.1	159.9	169.4	162.9	6.48	26.148		
1,600.0	1,600.0	1,617.6	1,616.2	3.5	3.5	111.93	-59.6	148.0	160.3	153.4	6.94	23.090		
1,700.0	1,700.0	1,719.5	1,716.7	3.7	3.7	116.56	-66.4	132.9	149.5	142.1	7.44	20.102		
1,800.0	1,800.0	1,818.0	1,813.6	3.9	4.0	122.15	-73.6	117.1	139.0	131.0	7.95	17.476		
1,900.0	1,900.0	1,916.4	1,910.5	4.2	4.3	128.55	-80.8	101.4	130.0	121.5	8.49	15.320		
2,000.0	2,000.0	2,014.9	2,007.4	4.4	4.7	135.77	-87.9	85.6	123.0	113.9	9.03	13.620		
2,100.0	2,100.0	2,113.3	2,104.3	4.6	5.0	143.70	-95.1	69.9	118.1	108.5	9.56	12.358		
2,200.0	2,200.0	2,211.7	2,201.2	4.8	5.3	152.12	-102.3	54.1	115.7	105.7	10.06	11.507		
2,239.9	2,239.9	2,251.0	2,239.9	4.9	5.5	155.54	-105.1	47.8	115.5	105.3	10.24	11.274 CC, ES		
2,300.0	2,300.0	2,310.2	2,298.1	5.1	5.7	160.69	-109.4	38.4	116.0	105.5	10.52	11.028		
2,400.0	2,400.0	2,408.6	2,395.1	5.3	6.0	169.03	-116.6	22.6	118.9	107.9	10.94	10.869		
2,500.0	2,500.0	2,507.1	2,492.0	5.5	6.4	176.83	-123.8	6.8	124.2	112.9	11.33	10.965		
2,600.0	2,600.0	2,605.5	2,588.8	5.7	6.8	33.36	-130.9	-8.9	130.3	118.0	12.23	10.654 SF		
2,700.0	2,699.8	2,703.7	2,685.5	5.9	7.1	40.91	-138.1	-24.6	135.7	123.1	12.59	10.780		
2,800.0	2,799.5	2,801.6	2,781.9	6.1	7.5	48.75	-145.2	-40.3	141.1	128.2	12.90	10.936		
2,900.0	2,898.7	2,899.2	2,877.9	6.3	7.9	56.93	-152.3	-55.9	147.1	133.9	13.17	11.166		
2,978.7	2,976.4	2,975.5	2,953.1	6.4	8.2	63.56	-157.9	-68.1	152.8	139.4	13.38	11.421		
3,000.0	2,997.5	2,996.2	2,973.4	6.5	8.3	65.38	-159.4	-71.4	154.6	141.1	13.44	11.504		
3,100.0	3,096.1	3,093.0	3,068.8	6.7	8.6	73.35	-166.4	-86.9	165.0	151.3	13.73	12.014		
3,200.0	3,194.7	3,189.8	3,164.1	6.9	9.0	80.31	-173.5	-102.4	178.3	164.3	14.08	12.664		
3,300.0	3,293.3	3,286.7	3,259.4	7.2	9.4	86.26	-180.5	-117.9	194.0	179.5	14.49	13.391		
3,400.0	3,391.9	3,383.5	3,354.7	7.5	9.8	91.30	-187.6	-133.4	211.4	196.5	14.94	14.152		
3,500.0	3,490.5	3,480.3	3,450.1	7.7	10.2	95.58	-194.6	-148.9	230.3	214.8	15.44	14.918		
3,600.0	3,589.1	3,577.2	3,545.4	8.0	10.6	99.20	-201.7	-164.4	250.2	234.2	15.96	15.673		
3,700.0	3,687.7	3,674.0	3,640.7	8.3	10.9	102.29	-208.7	-179.9	270.9	254.4	16.51	16.407		
3,800.0	3,786.3	3,770.8	3,736.0	8.6	11.3	104.95	-215.8	-195.4	292.3	275.3	17.08	17.114		
3,900.0	3,884.9	3,867.7	3,831.4	8.9	11.7	107.24	-222.8	-210.9	314.3	296.6	17.66	17.791		
4,000.0	3,983.6	3,964.5	3,926.7	9.3	12.1	109.24	-229.9	-226.4	336.6	318.4	18.26	18.439		
4,100.0	4,082.2	4,061.3	4,022.0	9.6	12.5	110.98	-236.9	-241.9	359.3	340.5	18.86	19.056		
4,200.0	4,180.8	4,158.2	4,117.3	9.9	12.9	112.52	-244.0	-257.4	382.3	362.9	19.46	19.643		
4,300.0	4,279.4	4,255.0	4,212.7	10.2	13.3	113.89	-251.0	-272.9	405.5	385.5	20.07	20.202		
4,400.0	4,378.0	4,351.8	4,308.0	10.6	13.7	115.11	-258.1	-288.4	429.0	408.3	20.69	20.733		
4,500.0	4,476.6	4,448.7	4,403.3	10.9	14.1	116.20	-265.1	-303.9	452.5	431.2	21.31	21.238		
4,600.0	4,575.2	4,545.5	4,498.6	11.3	14.4	117.19	-272.2	-319.4	476.3	454.3	21.93	21.719		
4,700.0	4,673.8	4,642.3	4,594.0	11.6	14.8	118.08	-279.2	-334.9	500.1	477.5	22.55	22.176		
4,800.0	4,772.4	4,739.2	4,689.3	12.0	15.2	118.89	-286.3	-350.4	524.0	500.9	23.18	22.611		
4,900.0	4,871.0	4,836.0	4,784.6	12.3	15.6	119.63	-293.3	-365.9	548.1	524.3	23.80	23.025		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.0	4,969.6	4,932.8	4,879.9	12.7	16.0	120.31	-300.4	-381.4	572.2	547.8	24.43	23.420	
5,100.0	5,068.2	5,029.7	4,975.3	13.0	16.4	120.94	-307.4	-396.9	596.4	571.3	25.06	23.796	
5,200.0	5,166.8	5,126.5	5,070.6	13.4	16.8	121.51	-314.5	-412.4	620.6	594.9	25.69	24.155	
5,300.0	5,265.4	5,223.3	5,165.9	13.8	17.2	122.04	-321.5	-427.8	644.9	618.6	26.33	24.498	
5,400.0	5,364.1	5,320.2	5,261.2	14.1	17.6	122.54	-328.6	-443.3	669.3	642.3	26.96	24.826	
5,500.0	5,462.7	5,417.0	5,356.6	14.5	18.0	123.00	-335.6	-458.8	693.7	666.1	27.59	25.139	
5,600.0	5,561.3	5,513.8	5,451.9	14.9	18.4	123.43	-342.7	-474.3	718.1	689.9	28.23	25.439	
5,700.0	5,659.9	5,610.7	5,547.2	15.2	18.8	123.83	-349.7	-489.8	742.6	713.7	28.87	25.726	
5,764.6	5,723.6	5,673.2	5,608.8	15.5	19.0	124.07	-354.3	-499.8	758.4	729.1	29.28	25.905	
5,800.0	5,758.5	5,707.5	5,642.6	15.6	19.2	124.33	-356.8	-505.3	767.0	737.5	29.52	25.982	
5,900.0	5,857.6	5,804.9	5,738.4	15.9	19.6	124.89	-363.9	-520.9	789.9	759.7	30.15	26.196	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	59.32	68.9	116.1	134.9					
100.0	100.0	100.0	100.0	0.1	0.1	59.32	68.9	116.1	134.9	134.7	0.22	600.366		
200.0	200.0	200.0	200.0	0.3	0.3	59.32	68.9	116.1	134.9	134.3	0.67	200.122		
300.0	300.0	300.0	300.0	0.6	0.6	59.32	68.9	116.1	134.9	133.8	1.12	120.073		
400.0	400.0	400.0	400.0	0.8	0.8	59.32	68.9	116.1	134.9	133.4	1.57	85.767		
500.0	500.0	500.0	500.0	1.0	1.0	59.32	68.9	116.1	134.9	132.9	2.02	66.707		
600.0	600.0	600.0	600.0	1.2	1.2	59.32	68.9	116.1	134.9	132.5	2.47	54.579		
700.0	700.0	700.0	700.0	1.5	1.5	59.32	68.9	116.1	134.9	132.0	2.92	46.182		
800.0	800.0	800.0	800.0	1.7	1.7	59.32	68.9	116.1	134.9	131.6	3.37	40.024		
900.0	900.0	900.0	900.0	1.9	1.9	59.32	68.9	116.1	134.9	131.1	3.82	35.316		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	59.32	68.9	116.1	134.9	130.7	4.27	31.598		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	59.32	68.9	116.1	134.9	130.2	4.72	28.589		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	59.32	68.9	116.1	134.9	129.8	5.17	26.103		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	59.32	68.9	116.1	134.9	129.3	5.62	24.015		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	59.32	68.9	116.1	134.9	128.9	6.07	22.236		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	59.32	68.9	116.1	134.9	128.4	6.52	20.702		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	59.32	68.9	116.1	134.9	128.0	6.97	19.367		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	59.32	68.9	116.1	134.9	127.5	7.42	18.193		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	59.32	68.9	116.1	134.9	127.1	7.87	17.153		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	59.32	68.9	116.1	134.9	126.6	8.32	16.226		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	59.32	68.9	116.1	134.9	126.2	8.77	15.394		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	59.32	68.9	116.1	134.9	125.7	9.22	14.643		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	59.32	68.9	116.1	134.9	125.3	9.66	13.962		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	59.32	68.9	116.1	134.9	124.8	10.11	13.341		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	59.32	68.9	116.1	134.9	124.4	10.56	12.774		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	59.32	68.9	116.1	134.9	123.9	11.01	12.252		
2,600.0	2,600.0	2,604.8	2,604.7	5.7	5.7	-92.18	67.5	114.7	133.2	121.8	11.42	11.666		
2,700.0	2,699.8	2,709.2	2,709.0	5.9	5.9	-94.18	63.6	110.5	128.1	116.3	11.78	10.877		
2,800.0	2,799.5	2,813.1	2,812.4	6.1	6.1	-97.85	57.1	103.7	120.0	107.9	12.15	9.878		
2,900.0	2,898.7	2,916.0	2,914.5	6.3	6.3	-103.78	48.0	94.2	109.5	97.0	12.53	8.741		
2,978.7	2,976.4	2,996.2	2,993.7	6.4	6.5	-110.65	39.3	85.1	100.5	87.6	12.84	7.828		
3,000.0	2,997.5	3,017.8	3,015.0	6.5	6.5	-112.84	36.6	82.3	98.0	85.1	12.92	7.585		
3,100.0	3,096.1	3,118.4	3,113.6	6.7	6.8	-124.95	22.9	68.0	86.6	73.2	13.32	6.498		
3,200.0	3,194.7	3,217.1	3,209.7	6.9	7.1	-140.80	7.3	51.6	77.2	63.4	13.73	5.619		
3,281.5	3,275.1	3,296.0	3,286.4	7.1	7.3	-155.68	-5.5	38.2	74.4	60.3	14.09	5.281 CC, ES		
3,300.0	3,293.3	3,313.9	3,303.7	7.2	7.4	-159.13	-8.4	35.1	74.6	60.4	14.18	5.259		
3,400.0	3,391.9	3,410.7	3,397.8	7.5	7.7	-176.80	-24.2	18.6	80.1	65.4	14.69	5.454		
3,500.0	3,490.5	3,507.5	3,491.9	7.7	8.0	168.86	-40.0	2.1	92.4	77.1	15.25	6.057		
3,600.0	3,589.1	3,604.3	3,586.0	8.0	8.4	158.24	-55.7	-14.5	109.1	93.3	15.84	6.890		
3,700.0	3,687.7	3,701.1	3,680.0	8.3	8.7	150.56	-71.5	-31.0	128.6	112.2	16.43	7.825		
3,800.0	3,786.3	3,797.9	3,774.1	8.6	9.1	144.93	-87.3	-47.5	149.7	132.7	17.04	8.789		
3,900.0	3,884.9	3,894.7	3,868.2	8.9	9.5	140.70	-103.1	-64.0	171.9	154.3	17.65	9.744		
4,000.0	3,983.6	3,991.6	3,962.3	9.3	9.9	137.44	-118.8	-80.5	194.8	176.6	18.26	10.669		
4,100.0	4,082.2	4,088.4	4,056.3	9.6	10.3	134.86	-134.6	-97.1	218.2	199.3	18.89	11.554		
4,200.0	4,180.8	4,185.2	4,150.4	9.9	10.7	132.79	-150.4	-113.6	241.9	222.4	19.52	12.395		
4,300.0	4,279.4	4,282.0	4,244.5	10.2	11.1	131.08	-166.1	-130.1	265.9	245.7	20.15	13.192		
4,400.0	4,378.0	4,378.8	4,338.6	10.6	11.6	129.66	-181.9	-146.6	290.0	269.2	20.80	13.944		
4,500.0	4,476.6	4,475.6	4,432.7	10.9	12.0	128.45	-197.7	-163.1	314.3	292.9	21.45	14.653		
4,600.0	4,575.2	4,572.4	4,526.7	11.3	12.4	127.42	-213.5	-179.7	338.7	316.6	22.11	15.321		
4,700.0	4,673.8	4,669.2	4,620.8	11.6	12.9	126.52	-229.2	-196.2	363.2	340.4	22.77	15.951		
4,800.0	4,772.4	4,766.0	4,714.9	12.0	13.3	125.74	-245.0	-212.7	387.8	364.3	23.44	16.545		
4,900.0	4,871.0	4,862.8	4,809.0	12.3	13.8	125.05	-260.8	-229.2	412.4	388.3	24.11	17.105		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.0	4,969.6	4,959.6	4,903.0	12.7	14.2	124.44	-276.5	-245.7	437.1	412.3	24.79	17.634	
5,100.0	5,068.2	5,056.4	4,997.1	13.0	14.7	123.89	-292.3	-262.3	461.8	436.3	25.47	18.133	
5,200.0	5,166.8	5,153.3	5,091.2	13.4	15.2	123.40	-308.1	-278.8	486.5	460.4	26.15	18.605	
5,300.0	5,265.4	5,250.1	5,185.3	13.8	15.6	122.96	-323.9	-295.3	511.3	484.5	26.84	19.052	
5,400.0	5,364.1	5,346.9	5,279.3	14.1	16.1	122.56	-339.6	-311.8	536.1	508.6	27.53	19.475	
5,500.0	5,462.7	5,443.7	5,373.4	14.5	16.5	122.19	-355.4	-328.3	560.9	532.7	28.22	19.876	
5,600.0	5,561.3	5,547.7	5,474.6	14.9	17.0	121.87	-372.0	-345.8	585.5	556.6	28.91	20.256	
5,700.0	5,659.9	5,661.2	5,585.8	15.2	17.4	121.81	-387.6	-362.1	607.9	578.3	29.57	20.557	
5,764.6	5,723.6	5,735.2	5,658.8	15.5	17.6	121.94	-396.1	-371.0	620.9	590.9	29.99	20.702	
5,800.0	5,758.5	5,776.0	5,699.1	15.6	17.7	122.16	-400.3	-375.4	627.5	597.3	30.23	20.756	
5,900.0	5,857.6	5,892.1	5,814.4	15.9	18.0	122.72	-409.9	-385.4	643.0	612.1	30.84	20.852	
6,000.0	5,957.0	6,009.3	5,931.2	16.1	18.3	123.18	-416.3	-392.1	653.9	622.5	31.37	20.843	
6,100.0	6,056.8	6,127.1	6,049.0	16.3	18.5	123.58	-419.4	-395.4	660.2	628.3	31.84	20.734	
6,200.0	6,156.8	6,234.9	6,156.8	16.5	18.6	123.84	-419.7	-395.7	662.2	630.0	32.23	20.548	
6,243.2	6,200.0	6,278.2	6,200.0	16.6	18.7	-85.27	-419.7	-395.7	662.4	630.0	32.39	20.452	
6,278.7	6,235.4	6,313.6	6,235.4	16.6	18.8	-85.27	-419.7	-395.7	662.4	629.9	32.51	20.377	
6,300.0	6,256.8	6,334.4	6,256.3	16.7	18.8	-85.26	-419.7	-395.7	662.4	629.8	32.58	20.334	
6,373.3	6,330.1	6,402.0	6,323.7	16.8	18.9	-84.94	-416.0	-395.8	662.8	630.0	32.79	20.213	
6,400.0	6,356.7	6,426.4	6,347.9	16.8	18.9	-84.41	-413.1	-395.8	663.0	630.2	32.84	20.190	
6,450.0	6,406.6	6,471.9	6,392.7	16.9	18.9	-84.00	-405.4	-395.8	663.5	630.6	32.92	20.156	
6,500.0	6,456.1	6,517.1	6,436.8	16.9	18.9	-83.61	-395.0	-395.9	664.0	631.1	32.94	20.155	
6,550.0	6,505.0	6,562.2	6,479.9	16.9	18.9	-83.25	-382.0	-395.9	664.5	631.6	32.92	20.184	
6,600.0	6,553.0	6,607.0	6,521.8	16.9	18.8	-82.92	-366.3	-396.0	664.9	632.1	32.85	20.240	
6,650.0	6,599.9	6,650.0	6,561.1	16.9	18.8	-82.64	-348.8	-396.1	665.4	632.6	32.75	20.318	
6,700.0	6,645.5	6,696.1	6,602.0	16.8	18.7	-82.36	-327.4	-396.2	665.8	633.2	32.60	20.421	
6,750.0	6,689.6	6,740.5	6,640.0	16.7	18.6	-82.13	-304.5	-396.4	666.1	633.7	32.44	20.536	
6,800.0	6,732.0	6,784.7	6,676.3	16.7	18.5	-81.94	-279.3	-396.5	666.5	634.2	32.26	20.660	
6,850.0	6,772.3	6,828.9	6,711.0	16.6	18.4	-81.78	-252.0	-396.6	666.7	634.7	32.08	20.786	
6,900.0	6,810.6	6,872.9	6,743.8	16.5	18.4	-81.65	-222.6	-396.8	666.9	635.0	31.90	20.908	
6,950.0	6,846.4	6,916.9	6,774.7	16.4	18.3	-81.56	-191.3	-397.0	667.1	635.4	31.74	21.017	
7,000.0	6,879.8	6,960.9	6,803.7	16.4	18.2	-81.51	-158.2	-397.1	667.2	635.6	31.61	21.105	
7,050.0	6,910.5	7,004.8	6,830.5	16.3	18.1	-81.49	-123.4	-397.3	667.2	635.7	31.53	21.164	
7,100.0	6,938.3	7,050.0	6,855.8	16.2	18.0	-81.52	-86.0	-397.5	667.2	635.7	31.49	21.185	
7,150.0	6,963.2	7,092.7	6,877.6	16.2	17.9	-81.57	-49.2	-397.7	667.1	635.6	31.53	21.157	
7,200.0	6,985.0	7,136.7	6,897.6	16.2	17.8	-81.66	-10.1	-397.9	666.9	635.3	31.64	21.079	
7,250.0	7,003.7	7,180.8	6,915.2	16.2	17.7	-81.79	30.3	-398.1	666.7	634.9	31.83	20.945	
7,300.0	7,019.0	7,225.0	6,930.4	16.3	17.6	-81.96	71.8	-398.3	666.5	634.4	32.11	20.755	
7,350.0	7,031.0	7,269.2	6,942.9	16.5	17.5	-82.16	114.2	-398.6	666.1	633.7	32.48	20.511	
7,400.0	7,039.5	7,313.6	6,952.9	16.8	17.5	-82.39	157.4	-398.8	665.8	632.9	32.94	20.215	
7,450.0	7,044.7	7,358.1	6,960.2	17.1	17.5	-82.66	201.3	-399.0	665.4	631.9	33.48	19.872	
7,500.0	7,046.3	7,402.8	6,964.7	17.5	17.6	-82.96	245.8	-399.3	665.0	630.8	34.12	19.491	
7,516.1	7,046.1	7,417.2	6,965.6	17.6	17.6	-83.06	260.1	-399.3	664.8	630.5	34.34	19.359	
7,600.0	7,044.0	7,496.6	6,966.3	18.4	18.1	-83.29	339.5	-399.8	664.5	628.8	35.64	18.645	
7,700.0	7,041.5	7,596.6	6,965.8	19.4	18.9	-83.46	439.5	-400.3	664.3	626.7	37.52	17.704	
7,800.0	7,039.0	7,696.6	6,965.3	20.6	20.0	-83.63	539.5	-400.8	664.0	624.4	39.68	16.735	
7,900.0	7,036.6	7,796.5	6,964.8	21.8	21.2	-83.79	639.5	-401.3	663.8	621.8	42.08	15.775	
8,000.0	7,034.1	7,896.5	6,964.3	23.2	22.4	-83.96	739.5	-401.9	663.6	619.0	44.68	14.852	
8,100.0	7,031.6	7,996.5	6,963.8	24.6	23.8	-84.13	839.4	-402.4	663.4	616.0	47.45	13.981	
8,200.0	7,029.1	8,096.5	6,963.3	26.1	25.2	-84.30	939.4	-402.9	663.2	612.9	50.36	13.169	
8,300.0	7,026.6	8,196.5	6,962.8	27.6	26.7	-84.47	1,039.4	-403.5	663.1	609.7	53.39	12.419	
8,400.0	7,024.2	8,296.4	6,962.3	29.2	28.2	-84.64	1,139.4	-404.0	662.9	606.4	56.52	11.728	
8,500.0	7,021.7	8,396.4	6,961.8	30.9	29.8	-84.81	1,239.3	-404.5	662.7	603.0	59.73	11.094	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,600.0	7,019.2	8,496.4	6,961.2	32.5	31.4	-84.98	1,339.3	-405.0	662.5	599.5	63.02	10.514	
8,700.0	7,016.7	8,596.4	6,960.7	34.2	33.0	-85.15	1,439.3	-405.6	662.4	596.0	66.36	9.981	
8,800.0	7,014.3	8,696.4	6,960.2	35.9	34.7	-85.32	1,539.3	-406.1	662.2	592.5	69.76	9.493	
8,900.0	7,011.8	8,796.3	6,959.7	37.6	36.4	-85.49	1,639.3	-406.6	662.1	588.9	73.20	9.044	
9,000.0	7,009.3	8,896.3	6,959.2	39.4	38.1	-85.66	1,739.2	-407.2	661.9	585.2	76.69	8.632	
9,100.0	7,006.8	8,996.3	6,958.7	41.1	39.8	-85.83	1,839.2	-407.7	661.8	581.6	80.20	8.251	
9,200.0	7,004.3	9,096.3	6,958.2	42.9	41.6	-86.00	1,939.2	-408.2	661.7	577.9	83.75	7.900	
9,300.0	7,001.9	9,196.3	6,957.7	44.7	43.4	-86.17	2,039.2	-408.7	661.5	574.2	87.32	7.576	
9,400.0	6,999.4	9,296.2	6,957.2	46.5	45.1	-86.34	2,139.1	-409.3	661.4	570.5	90.92	7.275	
9,500.0	6,996.9	9,396.2	6,956.7	48.3	46.9	-86.51	2,239.1	-409.8	661.3	566.8	94.54	6.995	
9,600.0	6,994.4	9,496.2	6,956.2	50.1	48.7	-86.69	2,339.1	-410.3	661.2	563.0	98.17	6.735	
9,700.0	6,991.9	9,596.2	6,955.7	51.9	50.5	-86.86	2,439.1	-410.9	661.1	559.3	101.82	6.493	
9,800.0	6,989.5	9,696.2	6,955.2	53.8	52.3	-87.03	2,539.1	-411.4	661.0	555.5	105.49	6.266	
9,900.0	6,987.0	9,796.1	6,954.7	55.6	54.2	-87.20	2,639.0	-411.9	660.9	551.7	109.17	6.054	
10,000.0	6,984.5	9,896.1	6,954.2	57.5	56.0	-87.37	2,739.0	-412.5	660.8	548.0	112.86	5.855	
10,100.0	6,982.0	9,996.1	6,953.7	59.3	57.8	-87.54	2,839.0	-413.0	660.7	544.2	116.56	5.669	
10,200.0	6,979.6	10,096.1	6,953.2	61.2	59.7	-87.71	2,939.0	-413.5	660.7	540.4	120.27	5.493	
10,300.0	6,977.1	10,196.1	6,952.6	63.0	61.5	-87.88	3,038.9	-414.0	660.6	536.6	123.99	5.328	
10,400.0	6,974.6	10,296.1	6,952.1	64.9	63.3	-88.05	3,138.9	-414.6	660.5	532.8	127.72	5.172	
10,500.0	6,972.1	10,396.0	6,951.6	66.7	65.2	-88.22	3,238.9	-415.1	660.5	529.0	131.45	5.025	
10,600.0	6,969.6	10,496.0	6,951.1	68.6	67.1	-88.39	3,338.9	-415.6	660.4	525.2	135.19	4.885	
10,700.0	6,967.2	10,596.0	6,950.6	70.5	68.9	-88.56	3,438.9	-416.2	660.4	521.5	138.94	4.753	
10,800.0	6,964.7	10,696.0	6,950.1	72.3	70.8	-88.74	3,538.8	-416.7	660.4	517.7	142.69	4.628	
10,900.0	6,962.2	10,796.0	6,949.6	74.2	72.7	-88.91	3,638.8	-417.2	660.3	513.9	146.44	4.509	
11,000.0	6,959.7	10,895.9	6,949.1	76.1	74.5	-89.08	3,738.8	-417.7	660.3	510.1	150.20	4.396	
11,100.0	6,957.3	10,995.9	6,948.6	78.0	76.4	-89.25	3,838.8	-418.3	660.3	506.3	153.97	4.288	
11,200.0	6,954.8	11,095.9	6,948.1	79.9	78.3	-89.42	3,938.7	-418.8	660.3	502.5	157.73	4.186	
11,300.0	6,952.3	11,195.9	6,947.6	81.7	80.1	-89.59	4,038.7	-419.3	660.2	498.7	161.50	4.088	
11,395.1	6,949.9	11,291.0	6,947.1	83.5	81.9	-89.75	4,138.8	-419.8	660.2	495.2	165.09	3.999	
11,400.0	6,949.8	11,295.9	6,947.1	83.6	82.0	-89.76	4,138.7	-419.9	660.2	495.0	165.27	3.995	
11,500.0	6,947.3	11,395.8	6,946.6	85.5	83.9	-89.93	4,238.7	-420.4	660.2	491.2	169.05	3.906	
11,554.2	6,946.0	11,450.1	6,946.3	86.5	84.7	-90.03	4,292.9	-420.7	660.3	489.3	170.91	3.863	
11,555.0	6,946.0	11,450.8	6,946.3	86.6	84.8	-90.03	4,293.6	-420.7	660.3	489.3	170.94	3.863 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	59.30	76.5	128.9	149.9					
100.0	100.0	100.0	100.0	0.1	0.1	59.30	76.5	128.9	149.9	149.6	0.22	666.709		
200.0	200.0	200.0	200.0	0.3	0.3	59.30	76.5	128.9	149.9	149.2	0.67	222.236 CC		
300.0	300.0	297.4	297.3	0.6	0.6	58.76	78.2	128.9	150.7	149.6	1.12	134.865		
400.0	400.0	396.6	396.5	0.8	0.8	57.45	82.3	128.9	152.9	151.3	1.57	97.442		
500.0	500.0	496.5	496.3	1.0	1.0	56.13	86.5	128.9	155.2	153.2	2.03	76.634		
600.0	600.0	596.4	596.2	1.2	1.2	54.85	90.7	128.9	157.6	155.2	2.48	63.475		
700.0	700.0	696.3	696.0	1.5	1.5	53.61	95.0	128.9	160.1	157.2	2.94	54.425		
800.0	800.0	796.3	795.8	1.7	1.7	52.41	99.2	128.9	162.7	159.3	3.40	47.831		
900.0	900.0	896.2	895.6	1.9	2.0	51.24	103.4	128.9	165.3	161.4	3.86	42.822		
1,000.0	1,000.0	996.1	995.4	2.1	2.2	50.12	107.7	128.9	168.0	163.7	4.32	38.892		
1,100.0	1,100.0	1,096.0	1,095.3	2.4	2.4	49.03	111.9	128.9	170.7	166.0	4.78	35.730		
1,200.0	1,200.0	1,195.9	1,195.1	2.6	2.7	47.97	116.1	128.9	173.5	168.3	5.24	33.134		
1,300.0	1,300.0	1,295.8	1,294.9	2.8	2.9	46.95	120.4	128.9	176.4	170.7	5.70	30.968		
1,400.0	1,400.0	1,396.5	1,395.4	3.0	3.1	45.96	124.6	128.9	179.3	173.1	6.15	29.143		
1,500.0	1,500.0	1,501.0	1,500.0	3.3	3.3	45.53	126.5	128.9	180.6	174.0	6.56	27.525		
1,600.0	1,600.0	1,601.0	1,600.0	3.5	3.5	45.53	126.5	128.9	180.6	173.6	6.98	25.874		
1,700.0	1,700.0	1,701.0	1,700.0	3.7	3.7	45.53	126.5	128.9	180.6	173.2	7.42	24.335		
1,800.0	1,800.0	1,801.0	1,800.0	3.9	3.9	45.53	126.5	128.9	180.6	172.7	7.86	22.966		
1,900.0	1,900.0	1,901.0	1,900.0	4.2	4.2	45.53	126.5	128.9	180.6	172.3	8.31	21.741		
2,000.0	2,000.0	2,001.0	2,000.0	4.4	4.4	45.53	126.5	128.9	180.6	171.8	8.75	20.638		
2,100.0	2,100.0	2,101.0	2,100.0	4.6	4.6	45.53	126.5	128.9	180.6	171.4	9.19	19.641		
2,200.0	2,200.0	2,201.0	2,200.0	4.8	4.8	45.53	126.5	128.9	180.6	170.9	9.64	18.735		
2,300.0	2,300.0	2,301.0	2,300.0	5.1	5.0	45.53	126.5	128.9	180.6	170.5	10.08	17.908		
2,400.0	2,400.0	2,401.0	2,400.0	5.3	5.2	45.53	126.5	128.9	180.6	170.0	10.53	17.150		
2,500.0	2,500.0	2,501.0	2,500.0	5.5	5.5	45.53	126.5	128.9	180.6	169.6	10.98	16.453		
2,600.0	2,600.0	2,601.0	2,600.0	5.7	5.7	-105.86	126.5	128.9	181.0	169.7	11.38	15.913		
2,700.0	2,699.8	2,700.9	2,699.8	5.9	5.9	-107.41	126.5	128.9	182.5	170.8	11.77	15.509		
2,800.0	2,799.5	2,800.5	2,799.5	6.1	6.1	-109.92	126.5	128.9	185.3	173.2	12.17	15.234		
2,900.0	2,898.7	2,899.7	2,898.7	6.3	6.4	-113.28	126.5	128.9	189.9	177.3	12.57	15.107		
2,978.7	2,976.4	2,977.5	2,976.4	6.4	6.5	-116.40	126.5	128.9	195.0	182.1	12.89	15.130		
3,000.0	2,997.5	2,998.5	2,997.5	6.5	6.6	-117.32	126.5	128.9	196.6	183.6	12.98	15.150		
3,100.0	3,096.1	3,104.5	3,103.4	6.7	6.8	-121.61	124.7	128.2	203.0	189.7	13.36	15.195		
3,200.0	3,194.7	3,211.1	3,209.9	6.9	6.9	-125.50	119.1	126.3	206.8	193.0	13.76	15.030		
3,300.0	3,293.3	3,318.0	3,316.3	7.2	7.1	-129.19	109.7	123.1	207.7	193.5	14.16	14.663		
3,400.0	3,391.9	3,425.0	3,422.4	7.5	7.3	-132.83	96.6	118.7	205.6	191.0	14.57	14.109		
3,500.0	3,490.5	3,531.6	3,527.5	7.7	7.5	-136.60	79.7	113.0	200.6	185.6	14.98	13.387		
3,600.0	3,589.1	3,637.7	3,631.4	8.0	7.7	-140.70	59.3	106.1	192.7	177.3	15.39	12.521		
3,700.0	3,687.7	3,736.5	3,727.7	8.3	7.9	-144.94	38.6	99.0	183.9	168.1	15.78	11.651		
3,800.0	3,786.3	3,835.1	3,823.9	8.6	8.2	-149.56	17.9	92.0	176.2	160.0	16.17	10.893		
3,900.0	3,884.9	3,933.7	3,920.0	8.9	8.4	-154.56	-2.9	84.9	169.7	153.2	16.57	10.244		
4,000.0	3,983.6	4,032.3	4,016.2	9.3	8.7	-159.90	-23.6	77.9	164.7	147.7	16.97	9.704		
4,100.0	4,082.2	4,131.0	4,112.4	9.6	9.0	-165.51	-44.3	70.9	161.2	143.8	17.40	9.264		
4,200.0	4,180.8	4,229.6	4,208.5	9.9	9.3	-171.31	-65.1	63.8	159.4	141.5	17.87	8.920		
4,257.2	4,237.2	4,286.0	4,263.5	10.1	9.5	-174.67	-76.9	59.8	159.1	141.0	18.16	8.763		
4,300.0	4,279.4	4,328.2	4,304.7	10.2	9.7	-177.18	-85.8	56.8	159.3	140.9	18.38	8.664 ES		
4,400.0	4,378.0	4,426.8	4,400.8	10.6	10.0	177.01	-106.5	49.8	160.9	141.9	18.95	8.487		
4,500.0	4,476.6	4,525.5	4,497.0	10.9	10.3	171.36	-127.2	42.7	164.1	144.5	19.58	8.381		
4,600.0	4,575.2	4,624.1	4,593.2	11.3	10.7	165.98	-148.0	35.7	168.9	148.6	20.26	8.336		
4,700.0	4,673.8	4,722.7	4,689.3	11.6	11.1	160.92	-168.7	28.6	175.2	154.2	20.99	8.344		
4,800.0	4,772.4	4,821.3	4,785.5	12.0	11.5	156.25	-189.4	21.6	182.7	160.9	21.75	8.397		
4,900.0	4,871.0	4,919.9	4,881.7	12.3	11.8	151.96	-210.2	14.6	191.4	168.8	22.54	8.488		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,000.0	4,969.6	5,018.6	4,977.8	12.7	12.2	148.05	-230.9	7.5	201.0	177.7	23.35	8.609	
5,100.0	5,068.2	5,117.2	5,074.0	13.0	12.6	144.51	-251.6	0.5	211.5	187.4	24.16	8.754	
5,200.0	5,166.8	5,215.8	5,170.1	13.4	13.0	141.32	-272.3	-6.5	222.8	197.8	24.98	8.918	
5,300.0	5,265.4	5,314.4	5,266.3	13.8	13.4	138.43	-293.1	-13.6	234.6	208.8	25.80	9.095	
5,400.0	5,364.1	5,413.1	5,362.5	14.1	13.8	135.82	-313.8	-20.6	247.0	220.4	26.61	9.283	
5,500.0	5,462.7	5,511.7	5,458.6	14.5	14.3	133.47	-334.5	-27.6	259.9	232.5	27.43	9.477	
5,600.0	5,561.3	5,610.3	5,554.8	14.9	14.7	131.34	-355.3	-34.7	273.2	244.9	28.23	9.675	
5,700.0	5,659.9	5,708.9	5,651.0	15.2	15.1	129.40	-376.0	-41.7	286.8	257.7	29.04	9.875	
5,764.6	5,723.6	5,773.5	5,714.0	15.5	15.3	128.32	-389.1	-46.2	295.6	266.1	29.53	10.011	
5,800.0	5,758.5	5,809.1	5,748.9	15.6	15.5	127.91	-395.8	-48.4	300.3	270.5	29.79	10.082	
5,900.0	5,857.6	5,910.1	5,848.4	15.9	15.8	126.87	-412.6	-54.1	311.8	281.4	30.41	10.253	
6,000.0	5,957.0	6,011.8	5,949.0	16.1	16.1	125.98	-426.1	-58.7	320.6	289.6	30.97	10.353	
6,100.0	6,056.8	6,113.9	6,050.6	16.3	16.3	125.22	-436.2	-62.1	326.8	295.3	31.46	10.385	
6,200.0	6,156.8	6,216.4	6,152.8	16.5	16.5	124.54	-442.9	-64.4	330.2	298.3	31.89	10.352	
6,243.2	6,200.0	6,260.8	6,197.2	16.6	16.6	-84.86	-444.8	-65.1	330.8	298.7	32.05	10.320	
6,300.0	6,256.8	6,319.2	6,255.5	16.7	16.7	-85.11	-446.2	-65.5	331.1	298.9	32.27	10.263	
6,373.3	6,330.1	6,393.7	6,330.1	16.8	16.8	-85.17	-446.5	-65.6	331.2	298.7	32.52	10.185	
6,400.0	6,356.7	6,420.4	6,356.7	16.8	16.9	-84.96	-446.5	-65.6	331.2	298.6	32.61	10.155	
6,450.0	6,406.6	6,469.8	6,406.2	16.9	17.0	-85.58	-446.4	-65.6	330.9	298.1	32.76	10.101	
6,500.0	6,456.1	6,517.9	6,454.2	16.9	17.0	-86.33	-443.8	-65.7	330.6	297.7	32.86	10.061	
6,550.0	6,505.0	6,566.3	6,502.2	16.9	17.1	-87.04	-437.6	-65.7	330.3	297.4	32.91	10.039	
6,600.0	6,553.0	6,615.0	6,549.9	16.9	17.1	-87.72	-427.8	-65.7	330.2	297.3	32.90	10.035	
6,650.0	6,599.9	6,664.0	6,597.0	16.9	17.0	-88.36	-414.3	-65.8	330.0	297.2	32.85	10.048	
6,700.0	6,645.5	6,713.3	6,643.2	16.8	17.0	-88.94	-397.3	-65.9	330.0	297.2	32.75	10.075	
6,750.0	6,689.6	6,762.9	6,688.3	16.7	16.9	-89.48	-376.6	-66.0	329.9	297.3	32.62	10.113	
6,800.0	6,732.0	6,812.7	6,731.8	16.7	16.8	-89.96	-352.5	-66.1	329.9	297.4	32.47	10.160	
6,801.7	6,733.3	6,814.3	6,733.2	16.7	16.8	-89.97	-351.7	-66.1	329.9	297.4	32.47	10.162	
6,850.0	6,772.3	6,862.7	6,773.6	16.6	16.7	-90.38	-325.1	-66.3	329.9	297.6	32.31	10.212	
6,900.0	6,810.6	6,912.9	6,813.3	16.5	16.6	-90.74	-294.3	-66.4	329.9	297.8	32.14	10.265	
6,950.0	6,846.4	6,963.3	6,850.6	16.4	16.5	-91.04	-260.5	-66.6	330.0	298.0	31.99	10.314	
7,000.0	6,879.8	7,013.8	6,885.3	16.4	16.4	-91.27	-223.8	-66.8	330.0	298.1	31.87	10.355	
7,050.0	6,910.5	7,064.4	6,917.1	16.3	16.3	-91.43	-184.5	-67.0	330.0	298.2	31.79	10.382	
7,100.0	6,938.3	7,115.0	6,945.8	16.2	16.2	-91.53	-142.8	-67.2	330.0	298.3	31.76	10.392	
7,150.0	6,963.2	7,165.7	6,971.2	16.2	16.2	-91.56	-98.9	-67.5	330.0	298.2	31.80	10.378	
7,200.0	6,985.0	7,216.4	6,993.0	16.2	16.2	-91.51	-53.2	-67.7	330.0	298.1	31.92	10.339	
7,250.0	7,003.7	7,267.1	7,011.3	16.2	16.2	-91.40	-5.9	-68.0	330.0	297.9	32.13	10.271	
7,300.0	7,019.0	7,317.6	7,025.8	16.3	16.2	-91.22	42.5	-68.2	330.0	297.6	32.43	10.175	
7,350.0	7,031.0	7,368.1	7,036.5	16.5	16.4	-90.98	91.8	-68.5	330.0	297.1	32.83	10.051	
7,400.0	7,039.5	7,418.4	7,043.4	16.8	16.6	-90.66	141.7	-68.7	329.9	296.6	33.32	9.903	
7,450.0	7,044.7	7,468.6	7,046.3	17.1	16.8	-90.29	191.7	-69.0	329.9	296.0	33.90	9.732	
7,478.1	7,046.0	7,496.7	7,046.3	17.3	17.0	-90.05	219.8	-69.1	329.9	295.7	34.27	9.629	
7,500.0	7,046.3	7,518.6	7,045.8	17.5	17.1	-89.91	241.7	-69.3	329.9	295.4	34.58	9.542	
7,516.1	7,046.1	7,534.7	7,045.4	17.6	17.2	-89.88	257.8	-69.3	329.9	295.1	34.82	9.475	
7,600.0	7,044.0	7,618.6	7,043.3	18.4	17.9	-89.89	341.7	-69.8	329.9	293.7	36.18	9.118	
7,700.0	7,041.5	7,718.6	7,040.9	19.4	18.8	-89.89	441.6	-70.3	329.9	291.8	38.11	8.657	
7,800.0	7,039.0	7,818.6	7,038.4	20.6	19.9	-89.90	541.6	-70.8	329.9	289.6	40.32	8.184	
7,900.0	7,036.6	7,918.6	7,036.0	21.8	21.1	-89.90	641.6	-71.4	329.9	287.2	42.75	7.717	
8,000.0	7,034.1	8,018.6	7,033.6	23.2	22.4	-89.91	741.5	-71.9	330.0	284.6	45.39	7.270	
8,100.0	7,031.6	8,118.6	7,031.1	24.6	23.8	-89.92	841.5	-72.4	330.0	281.8	48.18	6.848	
8,200.0	7,029.1	8,218.6	7,028.7	26.1	25.2	-89.92	941.5	-72.9	330.0	278.8	51.12	6.455	
8,300.0	7,026.6	8,318.6	7,026.2	27.6	26.7	-89.93	1,041.5	-73.5	330.0	275.8	54.16	6.092	
8,400.0	7,024.2	8,418.6	7,023.8	29.2	28.3	-89.93	1,141.4	-74.0	330.0	272.7	57.31	5.758	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,500.0	7,021.7	8,518.6	7,021.3	30.9	29.9	-89.94	1,241.4	-74.5	330.0	269.4	60.53	5.451	
8,600.0	7,019.2	8,618.6	7,018.9	32.5	31.5	-89.95	1,341.4	-75.0	330.0	266.2	63.83	5.170	
8,700.0	7,016.7	8,718.6	7,016.5	34.2	33.2	-89.95	1,441.3	-75.6	330.0	262.8	67.18	4.912	
8,800.0	7,014.3	8,818.6	7,014.0	35.9	34.9	-89.96	1,541.3	-76.1	330.0	259.4	70.58	4.675	
8,900.0	7,011.8	8,918.6	7,011.6	37.6	36.6	-89.96	1,641.3	-76.6	330.0	256.0	74.03	4.457	
9,000.0	7,009.3	9,018.6	7,009.1	39.4	38.3	-89.97	1,741.2	-77.1	330.0	252.5	77.52	4.257	
9,100.0	7,006.8	9,118.6	7,006.7	41.1	40.1	-89.98	1,841.2	-77.7	330.0	249.0	81.03	4.072	
9,200.0	7,004.3	9,218.6	7,004.2	42.9	41.8	-89.98	1,941.2	-78.2	330.0	245.4	84.58	3.902	
9,300.0	7,001.9	9,318.6	7,001.8	44.7	43.6	-89.99	2,041.1	-78.7	330.0	241.9	88.15	3.744	
9,400.0	6,999.4	9,418.6	6,999.4	46.5	45.4	-89.99	2,141.1	-79.2	330.0	238.3	91.74	3.597	
9,500.0	6,996.9	9,518.6	6,996.9	48.3	47.2	-90.00	2,241.1	-79.8	330.0	234.7	95.36	3.461	
9,600.0	6,994.4	9,618.6	6,994.5	50.1	49.0	-90.01	2,341.0	-80.3	330.0	231.0	98.99	3.334	
9,700.0	6,991.9	9,718.6	6,992.0	51.9	50.8	-90.01	2,441.0	-80.8	330.0	227.4	102.63	3.216	
9,800.0	6,989.5	9,818.6	6,989.6	53.8	52.7	-90.02	2,541.0	-81.3	330.0	223.7	106.30	3.105	
9,900.0	6,987.0	9,918.6	6,987.1	55.6	54.5	-90.02	2,641.0	-81.9	330.0	220.1	109.97	3.001	
10,000.0	6,984.5	10,018.6	6,984.7	57.5	56.3	-90.03	2,740.9	-82.4	330.0	216.4	113.65	2.904	
10,100.0	6,982.0	10,118.6	6,982.2	59.3	58.2	-90.04	2,840.9	-82.9	330.0	212.7	117.35	2.813	
10,200.0	6,979.6	10,218.6	6,979.8	61.2	60.0	-90.04	2,940.9	-83.4	330.1	209.0	121.05	2.727	
10,300.0	6,977.1	10,318.6	6,977.4	63.0	61.9	-90.05	3,040.8	-84.0	330.1	205.3	124.77	2.645	
10,400.0	6,974.6	10,418.6	6,974.9	64.9	63.7	-90.05	3,140.8	-84.5	330.1	201.6	128.49	2.569	
10,500.0	6,972.1	10,518.6	6,972.5	66.7	65.6	-90.06	3,240.8	-85.0	330.1	197.9	132.22	2.496	
10,600.0	6,969.6	10,618.6	6,970.0	68.6	67.5	-90.07	3,340.7	-85.5	330.1	194.1	135.95	2.428	
10,700.0	6,967.2	10,718.6	6,967.6	70.5	69.3	-90.07	3,440.7	-86.1	330.1	190.4	139.69	2.363	
10,800.0	6,964.7	10,818.6	6,965.1	72.3	71.2	-90.08	3,540.7	-86.6	330.1	186.6	143.44	2.301	
10,900.0	6,962.2	10,918.6	6,962.7	74.2	73.1	-90.09	3,640.6	-87.1	330.1	182.9	147.19	2.243	
11,000.0	6,959.7	11,018.6	6,960.3	76.1	75.0	-90.09	3,740.6	-87.6	330.1	179.1	150.95	2.187	
11,100.0	6,957.3	11,118.6	6,957.8	78.0	76.8	-90.10	3,840.6	-88.2	330.1	175.4	154.71	2.134	
11,200.0	6,954.8	11,218.6	6,955.4	79.9	78.7	-90.10	3,940.6	-88.7	330.1	171.6	158.47	2.083	
11,300.0	6,952.3	11,318.6	6,952.9	81.7	80.6	-90.11	4,040.5	-89.2	330.1	167.9	162.24	2.035	
11,400.0	6,949.8	11,418.6	6,950.5	83.6	82.5	-90.12	4,140.5	-89.7	330.1	164.1	166.01	1.988	
11,500.0	6,947.3	11,518.6	6,948.0	85.5	84.4	-90.12	4,240.5	-90.3	330.1	160.3	169.79	1.944	
11,554.2	6,946.0	11,572.8	6,946.7	86.5	85.4	-90.12	4,294.7	-90.5	330.1	158.3	171.84	1.921	
11,555.0	6,946.0	11,573.6	6,946.7	86.6	85.4	-90.12	4,295.4	-90.5	330.1	158.3	171.86	1.921 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	59.34	84.1	141.9	165.0					
100.0	100.0	99.0	99.0	0.1	0.1	59.34	84.1	141.9	165.0	164.8	0.22	737.800		
200.0	200.0	199.0	199.0	0.3	0.3	59.34	84.1	141.9	165.0	164.3	0.67	245.524		
300.0	300.0	299.0	299.0	0.6	0.6	59.34	84.1	141.9	165.0	163.9	1.12	147.118		
400.0	400.0	399.0	399.0	0.8	0.8	59.34	84.1	141.9	165.0	163.4	1.57	105.024		
500.0	500.0	499.0	499.0	1.0	1.0	59.34	84.1	141.9	165.0	163.0	2.02	81.659		
600.0	600.0	599.0	599.0	1.2	1.2	59.34	84.1	141.9	165.0	162.5	2.47	66.799		
700.0	700.0	699.0	699.0	1.5	1.5	59.34	84.1	141.9	165.0	162.1	2.92	56.514		
800.0	800.0	799.0	799.0	1.7	1.7	59.34	84.1	141.9	165.0	161.6	3.37	48.974		
900.0	900.0	899.0	899.0	1.9	1.9	59.34	84.1	141.9	165.0	161.2	3.82	43.209		
1,000.0	1,000.0	999.0	999.0	2.1	2.1	59.34	84.1	141.9	165.0	160.7	4.27	38.658		
1,100.0	1,100.0	1,099.0	1,099.0	2.4	2.4	59.34	84.1	141.9	165.0	160.3	4.72	34.975		
1,200.0	1,200.0	1,199.0	1,199.0	2.6	2.6	59.34	84.1	141.9	165.0	159.8	5.17	31.932		
1,300.0	1,300.0	1,299.0	1,299.0	2.8	2.8	59.34	84.1	141.9	165.0	159.4	5.62	29.376		
1,400.0	1,400.0	1,399.0	1,399.0	3.0	3.0	59.34	84.1	141.9	165.0	158.9	6.07	27.200		
1,500.0	1,500.0	1,499.0	1,499.0	3.3	3.3	59.34	84.1	141.9	165.0	158.5	6.52	25.323		
1,600.0	1,600.0	1,599.0	1,599.0	3.5	3.5	59.34	84.1	141.9	165.0	158.0	6.97	23.689		
1,700.0	1,700.0	1,699.0	1,699.0	3.7	3.7	59.34	84.1	141.9	165.0	157.6	7.42	22.253		
1,800.0	1,800.0	1,799.0	1,799.0	3.9	3.9	59.34	84.1	141.9	165.0	157.1	7.86	20.981		
1,900.0	1,900.0	1,899.0	1,899.0	4.2	4.2	59.34	84.1	141.9	165.0	156.7	8.31	19.846		
2,000.0	2,000.0	1,999.0	1,999.0	4.4	4.4	59.34	84.1	141.9	165.0	156.2	8.76	18.828		
2,100.0	2,100.0	2,099.0	2,099.0	4.6	4.6	59.34	84.1	141.9	165.0	155.8	9.21	17.910		
2,200.0	2,200.0	2,199.0	2,199.0	4.8	4.8	59.34	84.1	141.9	165.0	155.3	9.66	17.076		
2,300.0	2,300.0	2,299.0	2,299.0	5.1	5.1	59.34	84.1	141.9	165.0	154.9	10.11	16.317		
2,400.0	2,400.0	2,399.0	2,399.0	5.3	5.3	59.34	84.1	141.9	165.0	154.4	10.56	15.623		
2,500.0	2,500.0	2,499.0	2,499.0	5.5	5.5	59.34	84.1	141.9	165.0	154.0	11.01	14.985		
2,600.0	2,600.0	2,599.0	2,599.0	5.7	5.7	-92.13	84.1	141.9	165.1	153.6	11.43	14.437		
2,700.0	2,699.8	2,698.8	2,698.8	5.9	6.0	-93.94	84.1	141.9	165.3	153.5	11.83	13.975		
2,800.0	2,799.5	2,802.3	2,802.2	6.1	6.2	-96.57	82.3	141.8	165.0	152.8	12.21	13.514		
2,900.0	2,898.7	2,905.8	2,905.7	6.3	6.3	-99.52	76.8	141.4	163.2	150.6	12.58	12.972		
2,978.7	2,976.4	2,987.4	2,986.9	6.4	6.5	-102.14	69.8	140.8	160.7	147.8	12.88	12.477		
3,000.0	2,997.5	3,009.5	3,008.9	6.5	6.5	-102.85	67.5	140.6	159.8	146.9	12.96	12.331		
3,100.0	3,096.1	3,113.2	3,111.8	6.7	6.7	-105.76	54.5	139.6	154.6	141.2	13.37	11.561		
3,200.0	3,194.7	3,217.0	3,214.2	6.9	6.9	-107.97	37.8	138.3	147.0	133.1	13.81	10.644		
3,300.0	3,293.3	3,316.6	3,312.1	7.2	7.1	-109.86	19.8	136.9	138.0	123.7	14.25	9.685		
3,400.0	3,391.9	3,416.1	3,410.0	7.5	7.4	-111.99	1.9	135.6	129.2	114.5	14.70	8.787		
3,500.0	3,490.5	3,515.6	3,507.9	7.7	7.6	-114.44	-16.0	134.2	120.6	105.5	15.17	7.954		
3,600.0	3,589.1	3,615.1	3,605.7	8.0	7.9	-117.25	-33.9	132.8	112.3	96.7	15.63	7.185		
3,700.0	3,687.7	3,714.5	3,703.6	8.3	8.2	-120.51	-51.8	131.4	104.3	88.2	16.08	6.482		
3,800.0	3,786.3	3,814.0	3,801.4	8.6	8.4	-124.28	-69.7	130.0	96.6	80.1	16.53	5.847		
3,900.0	3,884.9	3,913.5	3,899.3	8.9	8.7	-128.68	-87.6	128.6	89.5	72.5	16.95	5.281		
4,000.0	3,983.6	4,013.0	3,997.1	9.3	9.1	-133.80	-105.5	127.2	83.0	65.6	17.34	4.785		
4,100.0	4,082.2	4,112.5	4,095.0	9.6	9.4	-139.74	-123.4	125.8	77.2	59.5	17.70	4.362		
4,200.0	4,180.8	4,212.0	4,192.8	9.9	9.7	-146.53	-141.3	124.4	72.4	54.4	18.04	4.014		
4,300.0	4,279.4	4,311.5	4,290.7	10.2	10.0	-154.15	-159.2	123.0	68.8	50.4	18.38	3.742		
4,400.0	4,378.0	4,411.0	4,388.6	10.6	10.4	-162.45	-177.1	121.7	66.5	47.7	18.77	3.543		
4,500.0	4,476.6	4,510.5	4,486.4	10.9	10.7	-171.14	-195.0	120.3	65.7	46.5	19.24	3.415		
4,501.8	4,478.4	4,512.3	4,488.2	10.9	10.7	-171.30	-195.3	120.2	65.7	46.5	19.25	3.413 CC, ES		
4,600.0	4,575.2	4,609.9	4,584.3	11.3	11.0	-179.84	-212.9	118.9	66.4	46.6	19.83	3.350		
4,700.0	4,673.8	4,709.4	4,682.1	11.6	11.4	171.84	-230.8	117.5	68.7	48.1	20.55	3.342		
4,800.0	4,772.4	4,808.9	4,780.0	12.0	11.7	164.19	-248.7	116.1	72.3	50.9	21.37	3.381		
4,900.0	4,871.0	4,908.4	4,877.8	12.3	12.1	157.36	-266.6	114.7	77.0	54.8	22.26	3.461		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.0	4,969.6	5,007.9	4,975.7	12.7	12.5	151.40	-284.5	113.3	82.7	59.6	23.16	3.572	
5,100.0	5,068.2	5,107.4	5,073.5	13.0	12.8	146.25	-302.4	111.9	89.2	65.2	24.07	3.707	
5,200.0	5,166.8	5,206.9	5,171.4	13.4	13.2	141.83	-320.3	110.5	96.4	71.4	24.97	3.859	
5,300.0	5,265.4	5,306.4	5,269.2	13.8	13.6	138.03	-338.2	109.2	104.0	78.1	25.85	4.022	
5,400.0	5,364.1	5,405.9	5,367.1	14.1	13.9	134.76	-356.2	107.8	112.0	85.3	26.72	4.192	
5,500.0	5,462.7	5,505.3	5,465.0	14.5	14.3	131.93	-374.1	106.4	120.3	92.8	27.56	4.365	
5,600.0	5,561.3	5,604.8	5,562.8	14.9	14.7	129.47	-392.0	105.0	128.9	100.5	28.39	4.539	
5,700.0	5,659.9	5,704.3	5,660.7	15.2	15.1	127.32	-409.9	103.6	137.7	108.5	29.21	4.713	
5,764.6	5,723.6	5,768.5	5,723.8	15.5	15.3	126.20	-421.1	102.7	143.5	113.7	29.71	4.828	
5,800.0	5,758.5	5,803.6	5,758.5	15.6	15.4	125.82	-426.7	102.3	146.5	116.6	29.96	4.891	
5,900.0	5,857.6	5,903.1	5,857.1	15.9	15.7	124.97	-440.3	101.2	154.0	123.5	30.56	5.040	
6,000.0	5,957.0	6,002.9	5,956.3	16.1	15.9	124.39	-450.5	100.4	159.6	128.5	31.09	5.135	
6,100.0	6,056.8	6,102.7	6,055.9	16.3	16.1	124.03	-457.2	99.9	163.3	131.8	31.54	5.179	
6,200.0	6,156.8	6,202.6	6,155.8	16.5	16.3	123.85	-460.5	99.7	165.1	133.2	31.92	5.173	
6,243.2	6,200.0	6,245.9	6,199.0	16.6	16.4	-85.30	-460.9	99.6	165.3	133.3	32.06	5.157	
6,262.5	6,219.3	6,265.1	6,218.3	16.6	16.4	-85.30	-460.9	99.6	165.3	133.2	32.12	5.147	
6,300.0	6,256.8	6,302.6	6,255.8	16.7	16.5	-85.30	-460.9	99.6	165.3	133.1	32.25	5.126	
6,373.3	6,330.1	6,376.0	6,329.1	16.8	16.6	-85.30	-460.9	99.6	165.3	132.8	32.49	5.088	
6,400.0	6,356.7	6,402.6	6,355.7	16.8	16.7	-85.18	-460.9	99.6	165.3	132.7	32.60	5.070	
6,450.0	6,406.6	6,452.5	6,405.6	16.9	16.7	-86.44	-460.9	99.6	165.0	132.2	32.79	5.032	
6,500.0	6,456.1	6,501.8	6,454.9	16.9	16.8	-88.51	-459.8	99.6	164.7	131.8	32.98	4.995	
6,535.2	6,490.6	6,536.6	6,489.6	16.9	16.8	-90.00	-457.0	99.6	164.7	131.6	33.07	4.980	
6,550.0	6,505.0	6,551.3	6,504.2	16.9	16.9	-90.63	-455.4	99.6	164.7	131.6	33.10	4.975	
6,600.0	6,553.0	6,601.3	6,553.5	16.9	16.9	-92.74	-447.5	99.6	164.9	131.7	33.16	4.973	
6,650.0	6,599.9	6,651.7	6,602.6	16.9	16.9	-94.85	-436.1	99.5	165.3	132.2	33.14	4.987	
6,700.0	6,645.5	6,702.5	6,651.2	16.8	16.8	-96.92	-421.1	99.4	165.9	132.9	33.06	5.019	
6,750.0	6,689.6	6,753.8	6,699.0	16.7	16.8	-98.96	-402.5	99.3	166.8	133.8	32.91	5.067	
6,800.0	6,732.0	6,805.6	6,745.7	16.7	16.7	-100.94	-380.3	99.2	167.8	135.1	32.71	5.130	
6,850.0	6,772.3	6,857.8	6,791.2	16.6	16.6	-102.85	-354.6	99.1	169.0	136.5	32.45	5.207	
6,900.0	6,810.6	6,910.4	6,835.0	16.5	16.5	-104.68	-325.4	98.9	170.3	138.2	32.15	5.297	
6,950.0	6,846.4	6,963.6	6,876.8	16.4	16.4	-106.42	-292.7	98.8	171.8	139.9	31.84	5.396	
7,000.0	6,879.8	7,017.2	6,916.5	16.4	16.3	-108.05	-256.7	98.6	173.3	141.8	31.51	5.501	
7,050.0	6,910.5	7,071.2	6,953.7	16.3	16.2	-109.58	-217.5	98.4	174.9	143.7	31.19	5.607	
7,100.0	6,938.3	7,125.6	6,988.0	16.2	16.1	-110.99	-175.3	98.1	176.5	145.6	30.91	5.710	
7,150.0	6,963.2	7,180.4	7,019.3	16.2	16.1	-112.28	-130.3	97.9	178.1	147.4	30.68	5.804	
7,200.0	6,985.0	7,235.7	7,047.2	16.2	16.1	-113.45	-82.7	97.7	179.6	149.1	30.53	5.883	
7,250.0	7,003.7	7,291.2	7,071.5	16.2	16.1	-114.49	-32.7	97.4	181.1	150.6	30.48	5.941	
7,300.0	7,019.0	7,347.1	7,092.0	16.3	16.2	-115.40	19.3	97.1	182.4	151.9	30.54	5.973	
7,350.0	7,031.0	7,403.3	7,108.4	16.5	16.4	-116.18	73.0	96.8	183.6	152.9	30.72	5.976	
7,400.0	7,039.5	7,459.7	7,120.6	16.8	16.6	-116.83	128.1	96.5	184.6	153.6	31.05	5.946	
7,450.0	7,044.7	7,516.4	7,128.5	17.1	16.9	-117.34	184.2	96.2	185.5	153.9	31.52	5.884	
7,500.0	7,046.3	7,573.2	7,131.9	17.5	17.2	-117.72	240.8	96.0	186.1	154.0	32.12	5.794	
7,516.1	7,046.1	7,591.0	7,132.0	17.6	17.3	-117.81	258.7	95.9	186.3	153.9	32.34	5.759	
7,600.0	7,044.0	7,674.9	7,132.0	18.4	18.0	-118.38	342.6	95.4	187.2	153.7	33.50	5.589	
7,700.0	7,041.5	7,774.9	7,132.0	19.4	18.9	-119.04	442.5	94.9	188.4	153.3	35.11	5.367	
7,800.0	7,039.0	7,874.8	7,132.0	20.6	19.9	-119.69	542.5	94.4	189.7	152.7	36.94	5.134	
7,900.0	7,036.6	7,974.8	7,132.0	21.8	21.1	-120.34	642.5	93.8	190.9	152.0	38.94	4.902	
8,000.0	7,034.1	8,074.8	7,132.0	23.2	22.4	-120.97	742.4	93.3	192.2	151.1	41.09	4.676	
8,100.0	7,031.6	8,174.8	7,132.0	24.6	23.7	-121.60	842.4	92.8	193.5	150.1	43.36	4.462	
8,200.0	7,029.1	8,274.7	7,132.0	26.1	25.2	-122.22	942.4	92.3	194.8	149.1	45.71	4.261	
8,300.0	7,026.6	8,374.7	7,132.0	27.6	26.7	-122.84	1,042.3	91.7	196.1	148.0	48.14	4.074	
8,400.0	7,024.2	8,474.7	7,132.0	29.2	28.2	-123.44	1,142.3	91.2	197.5	146.9	50.61	3.901	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,500.0	7,021.7	8,574.6	7,132.0	30.9	29.8	-124.03	1,242.3	90.7	198.8	145.7	53.13	3.743	
8,600.0	7,019.2	8,674.6	7,132.0	32.5	31.4	-124.62	1,342.2	90.2	200.2	144.6	55.67	3.597	
8,700.0	7,016.7	8,774.6	7,132.0	34.2	33.1	-125.20	1,442.2	89.6	201.7	143.4	58.23	3.463	
8,800.0	7,014.3	8,874.5	7,132.0	35.9	34.8	-125.77	1,542.2	89.1	203.1	142.3	60.80	3.341	
8,900.0	7,011.8	8,974.5	7,132.0	37.6	36.5	-126.33	1,642.1	88.6	204.6	141.2	63.37	3.228	
9,000.0	7,009.3	9,074.5	7,132.0	39.4	38.2	-126.89	1,742.1	88.1	206.1	140.1	65.95	3.125	
9,100.0	7,006.8	9,174.4	7,132.0	41.1	40.0	-127.43	1,842.1	87.5	207.6	139.0	68.52	3.029	
9,200.0	7,004.3	9,274.4	7,132.0	42.9	41.8	-127.97	1,942.0	87.0	209.1	138.0	71.08	2.941	
9,300.0	7,001.9	9,374.4	7,132.0	44.7	43.5	-128.50	2,042.0	86.5	210.6	137.0	73.63	2.860	
9,400.0	6,999.4	9,474.4	7,132.0	46.5	45.3	-129.02	2,142.0	86.0	212.2	136.0	76.17	2.786	
9,500.0	6,996.9	9,574.3	7,132.0	48.3	47.1	-129.54	2,241.9	85.5	213.7	135.1	78.69	2.716	
9,600.0	6,994.4	9,674.3	7,132.0	50.1	48.9	-130.05	2,341.9	84.9	215.3	134.1	81.19	2.652	
9,700.0	6,991.9	9,774.3	7,132.0	51.9	50.8	-130.55	2,441.9	84.4	216.9	133.3	83.68	2.592	
9,800.0	6,989.5	9,874.2	7,132.0	53.8	52.6	-131.04	2,541.9	83.9	218.6	132.4	86.15	2.537	
9,900.0	6,987.0	9,974.2	7,132.0	55.6	54.4	-131.53	2,641.8	83.4	220.2	131.6	88.59	2.485	
10,000.0	6,984.5	10,074.2	7,132.0	57.5	56.2	-132.00	2,741.8	82.8	221.9	130.8	91.02	2.437	
10,100.0	6,982.0	10,174.1	7,132.0	59.3	58.1	-132.47	2,841.8	82.3	223.5	130.1	93.43	2.392	
10,200.0	6,979.6	10,274.1	7,132.0	61.2	59.9	-132.94	2,941.7	81.8	225.2	129.4	95.81	2.350	
10,300.0	6,977.1	10,374.1	7,132.0	63.0	61.8	-133.40	3,041.7	81.3	226.9	128.7	98.17	2.311	
10,400.0	6,974.6	10,474.0	7,132.0	64.9	63.7	-133.85	3,141.7	80.7	228.6	128.1	100.52	2.274	
10,500.0	6,972.1	10,574.0	7,132.0	66.7	65.5	-134.29	3,241.6	80.2	230.3	127.5	102.83	2.240	
10,600.0	6,969.6	10,674.0	7,132.0	68.6	67.4	-134.73	3,341.6	79.7	232.1	127.0	105.13	2.208	
10,700.0	6,967.2	10,774.0	7,132.0	70.5	69.2	-135.16	3,441.6	79.2	233.8	126.4	107.41	2.177	
10,800.0	6,964.7	10,873.9	7,132.0	72.3	71.1	-135.58	3,541.5	78.6	235.6	125.9	109.66	2.149	
10,900.0	6,962.2	10,973.9	7,132.0	74.2	73.0	-136.00	3,641.5	78.1	237.4	125.5	111.89	2.122	
11,000.0	6,959.7	11,073.9	7,132.0	76.1	74.9	-136.41	3,741.5	77.6	239.2	125.1	114.10	2.096	
11,100.0	6,957.3	11,173.8	7,132.0	78.0	76.7	-136.82	3,841.4	77.1	241.0	124.7	116.29	2.072	
11,200.0	6,954.8	11,273.8	7,132.0	79.9	78.6	-137.22	3,941.4	76.5	242.8	124.3	118.46	2.050	
11,300.0	6,952.3	11,373.8	7,132.0	81.7	80.5	-137.61	4,041.4	76.0	244.6	124.0	120.60	2.028	
11,400.0	6,949.8	11,473.7	7,132.0	83.6	82.4	-138.00	4,141.3	75.5	246.5	123.7	122.73	2.008	
11,500.0	6,947.3	11,573.7	7,132.0	85.5	84.3	-138.38	4,241.3	75.0	248.3	123.5	124.84	1.989	
11,554.2	6,946.0	11,627.9	7,132.0	86.5	85.3	-138.58	4,295.5	74.7	249.3	123.4	125.97	1.979	
11,555.0	6,946.0	11,628.6	7,132.0	86.6	85.3	-138.59	4,296.2	74.7	249.3	123.4	125.98	1.979 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	59.14	7.7	12.8	14.9	14.9	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	59.14	7.7	12.8	14.9	14.7	0.22	66.353		
200.0	200.0	200.0	200.0	0.3	0.3	59.14	7.7	12.8	14.9	14.2	0.67	22.118		
300.0	300.0	300.0	300.0	0.6	0.6	59.14	7.7	12.8	14.9	13.8	1.12	13.271		
400.0	400.0	400.0	400.0	0.8	0.8	59.14	7.7	12.8	14.9	13.3	1.57	9.479		
500.0	500.0	500.0	500.0	1.0	1.0	59.14	7.7	12.8	14.9	12.9	2.02	7.373		
600.0	600.0	600.0	600.0	1.2	1.2	59.14	7.7	12.8	14.9	12.4	2.47	6.032		
700.0	700.0	700.0	700.0	1.5	1.5	59.14	7.7	12.8	14.9	12.0	2.92	5.104		
800.0	800.0	800.0	800.0	1.7	1.7	59.14	7.7	12.8	14.9	11.5	3.37	4.424		
900.0	900.0	900.0	900.0	1.9	1.9	59.14	7.7	12.8	14.9	11.1	3.82	3.903		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	59.14	7.7	12.8	14.9	10.6	4.27	3.492		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	59.14	7.7	12.8	14.9	10.2	4.72	3.160		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	59.14	7.7	12.8	14.9	9.7	5.17	2.885		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	59.14	7.7	12.8	14.9	9.3	5.62	2.654		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	59.14	7.7	12.8	14.9	8.8	6.07	2.458		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	59.14	7.7	12.8	14.9	8.4	6.52	2.288		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	59.14	7.7	12.8	14.9	7.9	6.97	2.140		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	59.14	7.7	12.8	14.9	7.5	7.42	2.011		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	59.14	7.7	12.8	14.9	7.0	7.87	1.896		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	59.14	7.7	12.8	14.9	6.6	8.32	1.793		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	59.14	7.7	12.8	14.9	6.1	8.77	1.701 CC, ES		
2,100.0	2,100.0	2,099.8	2,099.8	4.6	4.6	65.45	6.4	14.0	15.4	6.2	9.19	1.676 SF		
2,200.0	2,200.0	2,199.4	2,199.3	4.8	4.8	81.43	2.7	17.6	17.8	8.2	9.59	1.859		
2,300.0	2,300.0	2,298.6	2,298.0	5.1	5.0	98.54	-3.5	23.6	23.9	13.9	10.00	2.393		
2,400.0	2,400.0	2,397.0	2,395.7	5.3	5.2	110.83	-12.1	31.9	34.4	23.9	10.41	3.299		
2,500.0	2,500.0	2,494.4	2,492.0	5.5	5.4	118.51	-23.0	42.3	48.8	38.0	10.83	4.508		
2,600.0	2,600.0	2,593.1	2,589.2	5.7	5.6	-28.37	-35.3	54.2	64.1	52.9	11.21	5.716		
2,700.0	2,699.8	2,692.3	2,686.9	5.9	5.9	-27.06	-47.7	66.2	76.4	64.8	11.57	6.605		
2,800.0	2,799.5	2,791.9	2,784.9	6.1	6.2	-27.15	-60.1	78.1	85.7	73.7	11.93	7.182		
2,900.0	2,898.7	2,891.7	2,883.2	6.3	6.5	-28.24	-72.6	90.2	91.8	79.5	12.29	7.471		
2,978.7	2,976.4	2,970.3	2,960.6	6.4	6.7	-29.73	-82.4	99.6	94.6	82.0	12.59	7.514		
3,000.0	2,997.5	2,991.6	2,981.6	6.5	6.8	-30.21	-85.1	102.2	95.1	82.4	12.68	7.500		
3,100.0	3,096.1	3,091.5	3,080.0	6.7	7.1	-32.41	-97.6	114.2	97.5	84.4	13.11	7.437		
3,200.0	3,194.7	3,191.4	3,178.4	6.9	7.4	-34.51	-110.0	126.2	100.1	86.5	13.57	7.376		
3,300.0	3,293.3	3,291.3	3,276.8	7.2	7.7	-36.49	-122.5	138.3	102.8	88.8	14.05	7.318		
3,400.0	3,391.9	3,391.2	3,375.1	7.5	8.1	-38.37	-135.0	150.3	105.6	91.1	14.55	7.262		
3,500.0	3,490.5	3,491.1	3,473.5	7.7	8.4	-40.16	-147.5	162.3	108.6	93.5	15.06	7.207		
3,600.0	3,589.1	3,591.0	3,571.9	8.0	8.8	-41.84	-160.0	174.3	111.6	96.0	15.60	7.154		
3,700.0	3,687.7	3,690.9	3,670.3	8.3	9.1	-43.44	-172.4	186.4	114.7	98.6	16.16	7.101		
3,800.0	3,786.3	3,790.8	3,768.7	8.6	9.5	-44.95	-184.9	198.4	117.9	101.2	16.73	7.049		
3,900.0	3,884.9	3,890.7	3,867.1	8.9	9.8	-46.38	-197.4	210.4	121.2	103.9	17.32	6.999		
4,000.0	3,983.6	3,990.6	3,965.5	9.3	10.2	-47.73	-209.9	222.4	124.6	106.6	17.93	6.949		
4,100.0	4,082.2	4,090.5	4,063.9	9.6	10.6	-49.02	-222.3	234.5	128.0	109.4	18.55	6.901		
4,200.0	4,180.8	4,190.4	4,162.2	9.9	11.0	-50.23	-234.8	246.5	131.5	112.3	19.18	6.854		
4,300.0	4,279.4	4,290.3	4,260.6	10.2	11.3	-51.38	-247.3	258.5	135.0	115.2	19.83	6.809		
4,400.0	4,378.0	4,390.2	4,359.0	10.6	11.7	-52.48	-259.8	270.5	138.6	118.1	20.49	6.766		
4,500.0	4,476.6	4,490.1	4,457.4	10.9	12.1	-53.51	-272.3	282.6	142.2	121.1	21.15	6.724		
4,600.0	4,575.2	4,590.0	4,555.8	11.3	12.5	-54.50	-284.7	294.6	145.9	124.1	21.83	6.683		
4,700.0	4,673.8	4,689.9	4,654.2	11.6	12.9	-55.43	-297.2	306.6	149.6	127.1	22.52	6.645		
4,800.0	4,772.4	4,789.8	4,752.6	12.0	13.2	-56.32	-309.7	318.6	153.4	130.2	23.22	6.607		
4,900.0	4,871.0	4,889.7	4,850.9	12.3	13.6	-57.17	-322.2	330.7	157.2	133.3	23.92	6.572		
5,000.0	4,969.6	4,989.6	4,949.3	12.7	14.0	-57.98	-334.7	342.7	161.0	136.4	24.63	6.538		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,068.2	5,089.5	5,047.7	13.0	14.4	-58.75	-347.1	354.7	164.9	139.5	25.35	6.505	
5,200.0	5,166.8	5,189.4	5,146.1	13.4	14.8	-59.48	-359.6	366.8	168.8	142.7	26.07	6.474	
5,300.0	5,265.4	5,289.3	5,244.5	13.8	15.2	-60.19	-372.1	378.8	172.7	145.9	26.80	6.445	
5,400.0	5,364.1	5,389.2	5,342.9	14.1	15.6	-60.86	-384.6	390.8	176.6	149.1	27.53	6.417	
5,500.0	5,462.7	5,489.1	5,441.3	14.5	16.0	-61.50	-397.0	402.8	180.6	152.3	28.26	6.390	
5,600.0	5,561.3	5,589.0	5,539.7	14.9	16.3	-62.11	-409.5	414.9	184.6	155.6	29.00	6.364	
5,700.0	5,659.9	5,688.9	5,638.0	15.2	16.7	-62.70	-422.0	426.9	188.6	158.8	29.75	6.339	
5,764.6	5,723.6	5,753.4	5,701.6	15.5	17.0	-63.06	-430.1	434.7	191.2	160.9	30.23	6.324	
5,800.0	5,758.5	5,788.8	5,736.4	15.6	17.1	-63.23	-434.5	438.9	192.7	162.2	30.48	6.323	
5,900.0	5,857.6	5,888.7	5,834.8	15.9	17.5	-63.09	-446.9	450.9	198.1	167.0	31.06	6.377	
6,000.0	5,957.0	5,988.3	5,932.9	16.1	17.9	-62.13	-459.4	462.9	205.1	173.5	31.51	6.507	
6,100.0	6,056.8	6,087.7	6,030.8	16.3	18.3	-60.45	-471.8	474.9	213.8	182.0	31.84	6.715	
6,200.0	6,156.8	6,186.7	6,128.3	16.5	18.7	-58.19	-484.2	486.8	224.6	192.6	32.05	7.008	
6,243.2	6,200.0	6,229.5	6,170.4	16.6	18.9	93.80	-489.5	492.0	230.0	197.9	32.07	7.172	
6,300.0	6,256.8	6,287.1	6,227.5	16.7	19.0	94.78	-494.0	498.9	237.1	205.0	32.17	7.373	
6,373.3	6,330.1	6,362.1	6,301.8	16.8	19.2	94.36	-493.0	507.9	245.9	213.4	32.47	7.573	
6,400.0	6,356.7	6,389.2	6,328.7	16.8	19.2	93.93	-490.6	511.2	249.0	216.3	32.67	7.620	
6,450.0	6,406.6	6,439.9	6,378.5	16.9	19.3	92.61	-483.6	517.2	254.7	221.8	32.93	7.735	
6,500.0	6,456.1	6,490.4	6,427.5	16.9	19.3	91.32	-473.0	523.1	260.5	227.4	33.14	7.862	
6,550.0	6,505.0	6,540.6	6,475.4	16.9	19.4	90.07	-459.1	528.9	266.3	233.0	33.28	8.001	
6,600.0	6,553.0	6,590.7	6,522.0	16.9	19.4	88.87	-441.9	534.4	272.0	238.6	33.37	8.151	
6,650.0	6,599.9	6,640.5	6,567.2	16.9	19.3	87.71	-421.6	539.8	277.6	244.2	33.41	8.310	
6,700.0	6,645.5	6,690.1	6,610.6	16.8	19.3	86.60	-398.3	545.0	283.1	249.7	33.39	8.478	
6,750.0	6,689.6	6,739.5	6,652.2	16.7	19.2	85.55	-372.1	549.9	288.5	255.1	33.34	8.652	
6,800.0	6,732.0	6,788.7	6,691.8	16.7	19.2	84.54	-343.2	554.5	293.6	260.4	33.25	8.830	
6,850.0	6,772.3	6,837.7	6,729.1	16.6	19.1	83.59	-311.8	558.9	298.6	265.4	33.14	9.009	
6,900.0	6,810.6	6,886.5	6,764.1	16.5	19.0	82.69	-278.0	562.9	303.3	270.3	33.02	9.185	
6,950.0	6,846.4	6,935.2	6,796.6	16.4	18.9	81.84	-242.0	566.7	307.8	274.9	32.90	9.354	
7,000.0	6,879.8	6,983.7	6,826.6	16.4	18.8	81.05	-203.9	570.1	311.9	279.1	32.80	9.511	
7,050.0	6,910.5	7,032.1	6,853.8	16.3	18.7	80.31	-164.1	573.2	315.8	283.1	32.73	9.649	
7,100.0	6,938.3	7,080.3	6,878.3	16.2	18.6	79.62	-122.6	576.0	319.3	286.6	32.70	9.765	
7,150.0	6,963.2	7,128.4	6,899.8	16.2	18.5	78.99	-79.7	578.3	322.5	289.8	32.74	9.852	
7,200.0	6,985.0	7,176.4	6,918.4	16.2	18.4	78.40	-35.5	580.4	325.3	292.5	32.85	9.904	
7,250.0	7,003.7	7,224.2	6,934.0	16.2	18.3	77.88	9.6	582.0	327.8	294.7	33.04	9.919	
7,300.0	7,019.0	7,272.0	6,946.5	16.3	18.2	77.40	55.7	583.3	329.8	296.5	33.33	9.894	
7,350.0	7,031.0	7,319.6	6,956.0	16.5	18.1	76.98	102.3	584.2	331.4	297.7	33.72	9.827	
7,400.0	7,039.5	7,367.1	6,962.3	16.8	18.1	76.61	149.4	584.7	332.6	298.4	34.22	9.721	
7,450.0	7,044.7	7,414.5	6,965.6	17.1	18.1	76.29	196.7	584.8	333.4	298.6	34.82	9.576	
7,500.0	7,046.3	7,462.9	6,965.9	17.5	18.5	76.06	245.0	584.6	333.7	298.2	35.52	9.395	
7,516.1	7,046.1	7,478.9	6,965.8	17.6	18.6	76.09	261.1	584.5	333.7	297.9	35.78	9.326	
7,600.0	7,044.0	7,562.8	6,965.4	18.4	19.4	76.37	345.0	584.0	333.2	296.0	37.23	8.950	
7,700.0	7,041.5	7,662.8	6,964.9	19.4	20.5	76.69	445.0	583.4	332.7	293.5	39.20	8.486	
7,800.0	7,039.0	7,762.8	6,964.4	20.6	21.6	77.02	545.0	582.8	332.1	290.7	41.43	8.016	
7,900.0	7,036.6	7,862.8	6,964.0	21.8	22.9	77.36	644.9	582.1	331.6	287.7	43.87	7.558	
8,000.0	7,034.1	7,962.8	6,963.5	23.2	24.2	77.69	744.9	581.5	331.1	284.6	46.50	7.120	
8,100.0	7,031.6	8,062.7	6,963.0	24.6	25.6	78.02	844.9	580.9	330.6	281.3	49.28	6.708	
8,200.0	7,029.1	8,162.7	6,962.5	26.1	27.1	78.36	944.9	580.3	330.1	277.9	52.20	6.324	
8,300.0	7,026.6	8,262.7	6,962.0	27.6	28.6	78.69	1,044.9	579.7	329.6	274.4	55.23	5.968	
8,400.0	7,024.2	8,362.7	6,961.5	29.2	30.1	79.03	1,144.8	579.1	329.1	270.8	58.35	5.641	
8,500.0	7,021.7	8,462.7	6,961.0	30.9	31.7	79.37	1,244.8	578.5	328.7	267.1	61.55	5.339	
8,600.0	7,019.2	8,562.6	6,960.5	32.5	33.3	79.70	1,344.8	577.9	328.2	263.4	64.83	5.063	
8,700.0	7,016.7	8,662.6	6,960.0	34.2	35.0	80.04	1,444.8	577.3	327.8	259.6	68.17	4.808	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	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		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.0	7,014.3	8,762.6	6,959.6	35.9	36.7	80.38	1,544.7	576.6	327.3	255.8	71.56	4.575	
8,900.0	7,011.8	8,862.6	6,959.1	37.6	38.4	80.72	1,644.7	576.0	326.9	251.9	75.00	4.359	
9,000.0	7,009.3	8,962.6	6,958.6	39.4	40.1	81.07	1,744.7	575.4	326.5	248.1	78.48	4.161	
9,100.0	7,006.8	9,062.5	6,958.1	41.1	41.8	81.41	1,844.7	574.8	326.1	244.1	81.99	3.978	
9,200.0	7,004.3	9,162.5	6,957.6	42.9	43.6	81.75	1,944.7	574.2	325.8	240.2	85.54	3.808	
9,300.0	7,001.9	9,262.5	6,957.1	44.7	45.3	82.10	2,044.6	573.6	325.4	236.3	89.11	3.651	
9,400.0	6,999.4	9,362.5	6,956.6	46.5	47.1	82.44	2,144.6	573.0	325.0	232.3	92.71	3.506	
9,500.0	6,996.9	9,462.5	6,956.1	48.3	48.9	82.79	2,244.6	572.4	324.7	228.3	96.33	3.370	
9,600.0	6,994.4	9,562.4	6,955.6	50.1	50.7	83.14	2,344.6	571.8	324.3	224.4	99.97	3.244	
9,700.0	6,991.9	9,662.4	6,955.2	51.9	52.5	83.48	2,444.5	571.1	324.0	220.4	103.63	3.127	
9,800.0	6,989.5	9,762.4	6,954.7	53.8	54.3	83.83	2,544.5	570.5	323.7	216.4	107.31	3.017	
9,900.0	6,987.0	9,862.4	6,954.2	55.6	56.1	84.18	2,644.5	569.9	323.4	212.4	111.00	2.914	
10,000.0	6,984.5	9,962.4	6,953.7	57.5	57.9	84.53	2,744.5	569.3	323.1	208.4	114.70	2.817	
10,100.0	6,982.0	10,062.3	6,953.2	59.3	59.8	84.88	2,844.4	568.7	322.9	204.4	118.41	2.727	
10,200.0	6,979.6	10,162.3	6,952.7	61.2	61.6	85.23	2,944.4	568.1	322.6	200.5	122.13	2.641	
10,300.0	6,977.1	10,262.3	6,952.2	63.0	63.4	85.58	3,044.4	567.5	322.3	196.5	125.86	2.561	
10,400.0	6,974.6	10,362.3	6,951.7	64.9	65.3	85.93	3,144.4	566.9	322.1	192.5	129.60	2.485	
10,500.0	6,972.1	10,462.3	6,951.2	66.7	67.1	86.28	3,244.4	566.3	321.9	188.5	133.34	2.414	
10,600.0	6,969.6	10,562.2	6,950.8	68.6	69.0	86.64	3,344.3	565.7	321.7	184.6	137.09	2.346	
10,700.0	6,967.2	10,662.2	6,950.3	70.5	70.8	86.99	3,444.3	565.0	321.5	180.6	140.84	2.282	
10,800.0	6,964.7	10,762.2	6,949.8	72.3	72.7	87.34	3,544.3	564.4	321.3	176.7	144.60	2.222	
10,900.0	6,962.2	10,862.2	6,949.3	74.2	74.6	87.70	3,644.3	563.8	321.1	172.7	148.36	2.164	
11,000.0	6,959.7	10,962.2	6,948.8	76.1	76.4	88.05	3,744.2	563.2	320.9	168.8	152.12	2.110	
11,100.0	6,957.3	11,062.1	6,948.3	78.0	78.3	88.40	3,844.2	562.6	320.8	164.9	155.88	2.058	
11,200.0	6,954.8	11,162.1	6,947.8	79.9	80.2	88.76	3,944.2	562.0	320.6	161.0	159.64	2.009	
11,300.0	6,952.3	11,262.1	6,947.3	81.7	82.0	89.11	4,044.2	561.4	320.5	157.1	163.41	1.961	
11,400.0	6,949.8	11,362.1	6,946.9	83.6	83.9	89.47	4,144.1	560.8	320.4	153.2	167.17	1.917	
11,500.0	6,947.3	11,462.1	6,946.4	85.5	85.8	89.83	4,244.1	560.2	320.3	149.4	170.93	1.874	
11,514.3	6,947.0	11,476.3	6,946.3	85.8	86.1	89.88	4,258.4	560.1	320.3	148.8	171.46	1.868	
11,554.2	6,946.0	11,482.7	6,946.3	86.5	86.2	89.90	4,264.8	560.0	322.0	149.7	172.34	1.868	
11,555.0	6,946.0	11,482.7	6,946.3	86.6	86.2	89.90	4,264.8	560.0	322.1	149.7	172.35	1.869	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance		Warning								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	59.44	15.3	25.9	30.1					
100.0	100.0	100.0	100.0	0.1	0.1	59.44	15.3	25.9	30.1	29.8	0.22	133.733		
200.0	200.0	200.0	200.0	0.3	0.3	59.44	15.3	25.9	30.1	29.4	0.67	44.578		
300.0	300.0	300.0	300.0	0.6	0.6	59.44	15.3	25.9	30.1	28.9	1.12	26.747		
400.0	400.0	400.0	400.0	0.8	0.8	59.44	15.3	25.9	30.1	28.5	1.57	19.105		
500.0	500.0	500.0	500.0	1.0	1.0	59.44	15.3	25.9	30.1	28.0	2.02	14.859		
600.0	600.0	600.0	600.0	1.2	1.2	59.44	15.3	25.9	30.1	27.6	2.47	12.158		
700.0	700.0	700.0	700.0	1.5	1.5	59.44	15.3	25.9	30.1	27.1	2.92	10.287		
800.0	800.0	800.0	800.0	1.7	1.7	59.44	15.3	25.9	30.1	26.7	3.37	8.916		
900.0	900.0	900.0	900.0	1.9	1.9	59.44	15.3	25.9	30.1	26.2	3.82	7.867		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	59.44	15.3	25.9	30.1	25.8	4.27	7.039		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	59.44	15.3	25.9	30.1	25.3	4.72	6.368		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	59.44	15.3	25.9	30.1	24.9	5.17	5.814		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	59.44	15.3	25.9	30.1	24.4	5.62	5.349		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	59.44	15.3	25.9	30.1	24.0	6.07	4.953		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	59.44	15.3	25.9	30.1	23.5	6.52	4.611		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	59.44	15.3	25.9	30.1	23.1	6.97	4.314		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	59.44	15.3	25.9	30.1	22.6	7.42	4.053		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	59.44	15.3	25.9	30.1	22.2	7.87	3.821 CC, ES		
1,900.0	1,900.0	1,899.5	1,899.5	4.2	4.1	62.38	14.3	27.3	30.8	22.5	8.29	3.714 SF		
2,000.0	2,000.0	1,998.8	1,998.7	4.4	4.3	70.33	11.2	31.5	33.5	24.8	8.70	3.845		
2,100.0	2,100.0	2,097.7	2,097.1	4.6	4.5	80.76	6.2	38.4	39.0	29.9	9.11	4.283		
2,200.0	2,200.0	2,195.8	2,194.5	4.8	4.7	90.82	-0.7	48.0	48.3	38.8	9.53	5.074		
2,300.0	2,300.0	2,293.0	2,290.6	5.1	5.0	98.94	-9.5	60.2	61.7	51.7	9.95	6.200		
2,400.0	2,400.0	2,389.0	2,384.9	5.3	5.2	104.98	-20.0	74.8	78.9	68.5	10.37	7.608		
2,500.0	2,500.0	2,485.7	2,479.3	5.5	5.5	109.33	-32.1	91.6	99.3	88.5	10.81	9.187		
2,600.0	2,600.0	2,583.6	2,574.9	5.7	5.8	-38.88	-44.6	108.9	119.0	107.8	11.20	10.621		
2,700.0	2,699.8	2,682.1	2,671.0	5.9	6.2	-37.86	-57.1	126.2	136.1	124.5	11.58	11.753		
2,800.0	2,799.5	2,781.1	2,767.6	6.1	6.5	-37.86	-69.7	143.7	150.5	138.5	11.96	12.578		
2,900.0	2,898.7	2,880.4	2,864.6	6.3	6.9	-38.63	-82.3	161.1	162.2	149.8	12.36	13.118		
2,978.7	2,976.4	2,958.6	2,940.9	6.4	7.2	-39.70	-92.2	174.9	169.5	156.8	12.69	13.359		
3,000.0	2,997.5	2,979.8	2,961.7	6.5	7.3	-40.06	-94.9	178.6	171.3	158.5	12.78	13.397		
3,100.0	3,096.1	3,079.4	3,058.8	6.7	7.7	-41.66	-107.5	196.2	179.7	166.4	13.25	13.557		
3,200.0	3,194.7	3,178.9	3,156.0	6.9	8.1	-43.11	-120.2	213.7	188.2	174.5	13.74	13.695		
3,300.0	3,293.3	3,278.4	3,253.1	7.2	8.5	-44.43	-132.8	231.2	196.9	182.6	14.25	13.812		
3,400.0	3,391.9	3,377.9	3,350.3	7.5	8.9	-45.65	-145.5	248.7	205.6	190.8	14.78	13.909		
3,500.0	3,490.5	3,477.5	3,447.4	7.7	9.3	-46.76	-158.1	266.3	214.5	199.1	15.33	13.989		
3,600.0	3,589.1	3,577.0	3,544.6	8.0	9.8	-47.79	-170.7	283.8	223.4	207.5	15.89	14.053		
3,700.0	3,687.7	3,676.5	3,641.7	8.3	10.2	-48.73	-183.4	301.3	232.3	215.9	16.47	14.104		
3,800.0	3,786.3	3,776.0	3,738.9	8.6	10.7	-49.61	-196.0	318.8	241.4	224.3	17.07	14.143		
3,900.0	3,884.9	3,875.6	3,836.0	8.9	11.1	-50.42	-208.7	336.4	250.4	232.8	17.67	14.172		
4,000.0	3,983.6	3,975.1	3,933.2	9.3	11.5	-51.18	-221.3	353.9	259.6	241.3	18.29	14.192		
4,100.0	4,082.2	4,074.6	4,030.3	9.6	12.0	-51.88	-233.9	371.4	268.7	249.8	18.92	14.205		
4,200.0	4,180.8	4,174.2	4,127.5	9.9	12.5	-52.54	-246.6	388.9	277.9	258.4	19.56	14.211		
4,300.0	4,279.4	4,273.7	4,224.6	10.2	12.9	-53.16	-259.2	406.5	287.2	267.0	20.21	14.212		
4,400.0	4,378.0	4,373.2	4,321.8	10.6	13.4	-53.73	-271.9	424.0	296.5	275.6	20.87	14.208		
4,500.0	4,476.6	4,472.7	4,418.9	10.9	13.8	-54.28	-284.5	441.5	305.8	284.2	21.53	14.201		
4,600.0	4,575.2	4,572.3	4,516.1	11.3	14.3	-54.79	-297.1	459.0	315.1	292.9	22.20	14.191		
4,700.0	4,673.8	4,671.8	4,613.3	11.6	14.7	-55.27	-309.8	476.6	324.4	301.6	22.88	14.178		
4,800.0	4,772.4	4,771.3	4,710.4	12.0	15.2	-55.72	-322.4	494.1	333.8	310.2	23.57	14.163		
4,900.0	4,871.0	4,870.8	4,807.6	12.3	15.7	-56.15	-335.1	511.6	343.2	318.9	24.26	14.147		
5,000.0	4,969.6	4,970.4	4,904.7	12.7	16.1	-56.56	-347.7	529.1	352.6	327.7	24.96	14.129		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.0	5,068.2	5,069.9	5,001.9	13.0	16.6	-56.94	-360.3	546.6	362.0	336.4	25.66	14.110		
5,200.0	5,166.8	5,169.4	5,099.0	13.4	17.1	-57.31	-373.0	564.2	371.5	345.1	26.36	14.091		
5,300.0	5,265.4	5,268.9	5,196.2	13.8	17.5	-57.66	-385.6	581.7	380.9	353.9	27.07	14.071		
5,400.0	5,364.1	5,368.5	5,293.3	14.1	18.0	-57.99	-398.2	599.2	390.4	362.6	27.79	14.050		
5,500.0	5,462.7	5,468.0	5,390.5	14.5	18.5	-58.30	-410.9	616.7	399.9	371.4	28.50	14.029		
5,600.0	5,561.3	5,567.5	5,487.6	14.9	18.9	-58.60	-423.5	634.3	409.4	380.1	29.22	14.008		
5,700.0	5,659.9	5,667.0	5,584.8	15.2	19.4	-58.89	-436.2	651.8	418.9	388.9	29.95	13.987		
5,764.6	5,723.6	5,731.3	5,647.5	15.5	19.7	-59.07	-444.3	663.1	425.0	394.6	30.42	13.973		
5,800.0	5,758.5	5,766.6	5,681.9	15.6	19.9	-59.20	-448.8	669.3	428.5	397.8	30.66	13.975		
5,900.0	5,857.6	5,865.9	5,778.9	15.9	20.3	-59.31	-461.4	686.8	439.5	408.3	31.27	14.056		
6,000.0	5,957.0	5,965.1	5,875.7	16.1	20.8	-59.08	-474.0	704.3	452.3	420.6	31.79	14.229		
6,100.0	6,056.8	6,063.8	5,972.0	16.3	21.3	-58.54	-486.5	721.6	467.0	434.8	32.23	14.491		
6,200.0	6,156.8	6,162.0	6,067.9	16.5	21.7	-57.73	-499.0	738.9	483.6	451.0	32.58	14.842		
6,243.2	6,200.0	6,204.2	6,109.2	16.6	21.9	93.56	-504.4	746.4	491.4	458.7	32.66	15.045		
6,300.0	6,256.8	6,259.6	6,163.2	16.7	22.2	94.31	-511.4	756.1	501.9	469.1	32.81	15.297		
6,373.3	6,330.1	6,331.2	6,233.1	16.8	22.5	95.22	-520.5	768.7	515.6	482.6	33.01	15.620		
6,400.0	6,356.7	6,357.7	6,259.0	16.8	22.7	95.49	-523.8	773.4	520.7	487.5	33.19	15.689		
6,450.0	6,406.6	6,410.3	6,310.5	16.9	22.9	95.50	-528.1	782.7	530.3	496.9	33.37	15.889		
6,500.0	6,456.1	6,463.5	6,362.9	16.9	23.0	95.47	-528.4	792.1	539.9	506.4	33.50	16.116		
6,550.0	6,505.0	6,517.3	6,415.7	16.9	23.2	95.40	-524.8	801.7	549.5	515.9	33.59	16.361		
6,600.0	6,553.0	6,571.8	6,468.8	16.9	23.3	95.31	-517.0	811.3	559.0	525.4	33.63	16.624		
6,650.0	6,599.9	6,627.0	6,521.8	16.9	23.3	95.18	-504.9	820.8	568.3	534.7	33.63	16.901		
6,700.0	6,645.5	6,682.9	6,574.3	16.8	23.4	95.02	-488.6	830.3	577.4	543.8	33.59	17.190		
6,750.0	6,689.6	6,739.4	6,626.0	16.7	23.4	94.83	-467.8	839.7	586.3	552.7	33.53	17.487		
6,800.0	6,732.0	6,796.5	6,676.5	16.7	23.4	94.62	-442.7	848.8	594.8	561.3	33.44	17.786		
6,850.0	6,772.3	6,854.3	6,725.4	16.6	23.4	94.39	-413.2	857.6	602.9	569.5	33.34	18.081		
6,900.0	6,810.6	6,912.7	6,772.2	16.5	23.3	94.13	-379.5	866.1	610.6	577.3	33.25	18.364		
6,950.0	6,846.4	6,971.6	6,816.6	16.4	23.3	93.84	-341.6	874.1	617.8	584.6	33.17	18.627		
7,000.0	6,879.8	7,030.9	6,858.1	16.4	23.2	93.54	-299.8	881.6	624.4	591.3	33.11	18.859		
7,050.0	6,910.5	7,090.7	6,896.2	16.3	23.1	93.22	-254.3	888.6	630.5	597.4	33.10	19.051		
7,100.0	6,938.3	7,150.9	6,930.7	16.2	23.0	92.88	-205.5	894.8	636.0	602.9	33.14	19.193		
7,150.0	6,963.2	7,211.3	6,961.2	16.2	22.9	92.52	-153.6	900.4	640.8	607.6	33.25	19.271		
7,200.0	6,985.0	7,271.8	6,987.3	16.2	22.8	92.15	-99.2	905.1	645.0	611.5	33.45	19.280		
7,250.0	7,003.7	7,332.4	7,008.9	16.2	22.7	91.77	-42.7	909.0	648.4	614.7	33.74	19.216		
7,300.0	7,019.0	7,393.0	7,025.6	16.3	22.6	91.38	15.4	912.1	651.1	617.0	34.13	19.077		
7,350.0	7,031.0	7,453.5	7,037.4	16.5	22.5	90.97	74.6	914.3	653.1	618.5	34.63	18.861		
7,400.0	7,039.5	7,513.7	7,044.3	16.8	22.5	90.56	134.4	915.5	654.4	619.2	35.24	18.573		
7,450.0	7,044.7	7,573.5	7,046.2	17.1	22.5	90.15	194.2	915.9	655.0	619.0	35.94	18.225		
7,500.0	7,046.3	7,625.3	7,045.0	17.5	22.5	89.89	245.9	915.7	655.1	618.4	36.67	17.863		
7,516.1	7,046.1	7,641.4	7,044.6	17.6	22.5	89.87	262.0	915.7	655.1	618.2	36.92	17.746		
7,600.0	7,044.0	7,725.3	7,042.5	18.4	22.8	89.87	345.9	915.3	655.2	616.9	38.29	17.114		
7,700.0	7,041.5	7,825.3	7,040.0	19.4	23.3	89.87	445.9	915.0	655.3	615.1	40.20	16.302		
7,800.0	7,039.0	7,925.3	7,037.6	20.6	24.2	89.87	545.8	914.6	655.5	613.1	42.38	15.467		
7,900.0	7,036.6	8,025.3	7,035.1	21.8	25.2	89.87	645.8	914.2	655.6	610.8	44.78	14.640		
8,000.0	7,034.1	8,125.3	7,032.6	23.2	26.3	89.87	745.8	913.8	655.7	608.4	47.38	13.841		
8,100.0	7,031.6	8,225.3	7,030.1	24.6	27.6	89.87	845.7	913.4	655.9	605.8	50.13	13.083		
8,200.0	7,029.1	8,325.3	7,027.6	26.1	29.0	89.87	945.7	913.0	656.0	603.0	53.02	12.373		
8,300.0	7,026.6	8,425.3	7,025.2	27.6	30.4	89.87	1,045.7	912.7	656.2	600.1	56.03	11.711		
8,400.0	7,024.2	8,525.3	7,022.7	29.2	31.8	89.87	1,145.6	912.3	656.3	597.2	59.13	11.099		
8,500.0	7,021.7	8,625.3	7,020.2	30.9	33.4	89.87	1,245.6	911.9	656.4	594.1	62.32	10.534		
8,600.0	7,019.2	8,725.3	7,017.7	32.5	34.9	89.87	1,345.6	911.5	656.6	591.0	65.57	10.013		
8,700.0	7,016.7	8,825.3	7,015.3	34.2	36.5	89.87	1,445.6	911.1	656.7	587.8	68.89	9.533		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.0	7,014.3	8,925.3	7,012.8	35.9	38.1	89.87	1,545.5	910.7	656.8	584.6	72.26	9.090	
8,900.0	7,011.8	9,025.3	7,010.3	37.6	39.7	89.87	1,645.5	910.4	657.0	581.3	75.67	8.682	
9,000.0	7,009.3	9,125.3	7,007.8	39.4	41.4	89.87	1,745.5	910.0	657.1	578.0	79.13	8.305	
9,100.0	7,006.8	9,225.3	7,005.3	41.1	43.1	89.87	1,845.4	909.6	657.2	574.6	82.62	7.956	
9,200.0	7,004.3	9,325.3	7,002.9	42.9	44.8	89.87	1,945.4	909.2	657.4	571.3	86.13	7.632	
9,300.0	7,001.9	9,425.3	7,000.4	44.7	46.5	89.87	2,045.4	908.8	657.5	567.8	89.68	7.332	
9,400.0	6,999.4	9,525.3	6,997.9	46.5	48.2	89.87	2,145.3	908.4	657.7	564.4	93.25	7.053	
9,500.0	6,996.9	9,625.3	6,995.4	48.3	50.0	89.87	2,245.3	908.0	657.8	561.0	96.84	6.793	
9,600.0	6,994.4	9,725.3	6,993.0	50.1	51.7	89.87	2,345.3	907.7	657.9	557.5	100.45	6.550	
9,700.0	6,991.9	9,825.3	6,990.5	51.9	53.5	89.87	2,445.2	907.3	658.1	554.0	104.08	6.323	
9,800.0	6,989.5	9,925.3	6,988.0	53.8	55.3	89.87	2,545.2	906.9	658.2	550.5	107.72	6.110	
9,900.0	6,987.0	10,025.3	6,985.5	55.6	57.1	89.87	2,645.2	906.5	658.3	547.0	111.38	5.911	
10,000.0	6,984.5	10,125.3	6,983.0	57.5	58.9	89.87	2,745.1	906.1	658.5	543.4	115.04	5.724	
10,100.0	6,982.0	10,225.3	6,980.6	59.3	60.7	89.87	2,845.1	905.7	658.6	539.9	118.72	5.547	
10,200.0	6,979.6	10,325.3	6,978.1	61.2	62.5	89.87	2,945.1	905.4	658.7	536.3	122.41	5.381	
10,300.0	6,977.1	10,425.3	6,975.6	63.0	64.3	89.87	3,045.1	905.0	658.9	532.8	126.11	5.225	
10,400.0	6,974.6	10,525.3	6,973.1	64.9	66.1	89.87	3,145.0	904.6	659.0	529.2	129.82	5.076	
10,500.0	6,972.1	10,625.3	6,970.7	66.7	67.9	89.87	3,245.0	904.2	659.2	525.6	133.53	4.936	
10,600.0	6,969.6	10,725.3	6,968.2	68.6	69.8	89.87	3,345.0	903.8	659.3	522.0	137.26	4.803	
10,700.0	6,967.2	10,825.3	6,965.7	70.5	71.6	89.87	3,444.9	903.4	659.4	518.4	140.98	4.677	
10,800.0	6,964.7	10,925.3	6,963.2	72.3	73.4	89.87	3,544.9	903.1	659.6	514.8	144.72	4.558	
10,900.0	6,962.2	11,025.3	6,960.7	74.2	75.3	89.87	3,644.9	902.7	659.7	511.2	148.46	4.444	
11,000.0	6,959.7	11,125.3	6,958.3	76.1	77.1	89.87	3,744.8	902.3	659.8	507.6	152.21	4.335	
11,100.0	6,957.3	11,225.3	6,955.8	78.0	79.0	89.87	3,844.8	901.9	660.0	504.0	155.96	4.232	
11,200.0	6,954.8	11,325.3	6,953.3	79.9	80.8	89.87	3,944.8	901.5	660.1	500.4	159.71	4.133	
11,300.0	6,952.3	11,425.3	6,950.8	81.7	82.7	89.87	4,044.7	901.1	660.2	496.8	163.47	4.039	
11,400.0	6,949.8	11,525.3	6,948.3	83.6	84.6	89.87	4,144.7	900.8	660.4	493.1	167.24	3.949	
11,451.5	6,948.5	11,576.8	6,947.1	84.6	85.5	89.87	4,196.2	900.6	660.5	491.3	169.18	3.904	
11,500.0	6,947.3	11,615.5	6,946.1	85.5	86.2	89.87	4,234.9	900.4	660.6	489.8	170.82	3.867	
11,554.2	6,946.0	11,615.5	6,946.1	86.5	86.2	89.87	4,234.9	900.4	663.7	491.8	171.84	3.862	
11,555.0	6,946.0	11,615.5	6,946.1	86.6	86.2	89.87	4,234.9	900.4	663.8	491.9	171.85	3.862	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	59.32	22.9	38.7	45.0					
100.0	100.0	100.0	100.0	0.1	0.1	59.32	22.9	38.7	45.0	44.8	0.22	200.113		
200.0	200.0	200.0	200.0	0.3	0.3	59.32	22.9	38.7	45.0	44.3	0.67	66.704		
300.0	300.0	300.0	300.0	0.6	0.6	59.32	22.9	38.7	45.0	43.9	1.12	40.023		
400.0	400.0	400.0	400.0	0.8	0.8	59.32	22.9	38.7	45.0	43.4	1.57	28.588		
500.0	500.0	500.0	500.0	1.0	1.0	59.32	22.9	38.7	45.0	43.0	2.02	22.235		
600.0	600.0	600.0	600.0	1.2	1.2	59.32	22.9	38.7	45.0	42.5	2.47	18.192		
700.0	700.0	700.0	700.0	1.5	1.5	59.32	22.9	38.7	45.0	42.1	2.92	15.393		
800.0	800.0	800.0	800.0	1.7	1.7	59.32	22.9	38.7	45.0	41.6	3.37	13.341		
900.0	900.0	900.0	900.0	1.9	1.9	59.32	22.9	38.7	45.0	41.2	3.82	11.771		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	59.32	22.9	38.7	45.0	40.7	4.27	10.532		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	59.32	22.9	38.7	45.0	40.3	4.72	9.529		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	59.32	22.9	38.7	45.0	39.8	5.17	8.701		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	59.32	22.9	38.7	45.0	39.4	5.62	8.005		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	59.32	22.9	38.7	45.0	38.9	6.07	7.412		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	59.32	22.9	38.7	45.0	38.5	6.52	6.900		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	59.32	22.9	38.7	45.0	38.0	6.97	6.455 CC, ES		
1,700.0	1,700.0	1,699.2	1,699.2	3.7	3.7	61.19	22.1	40.2	45.9	38.5	7.39	6.202 SF		
1,800.0	1,800.0	1,798.1	1,798.0	3.9	3.9	66.35	19.5	44.6	48.8	41.0	7.80	6.248		
1,900.0	1,900.0	1,896.6	1,896.1	4.2	4.1	73.59	15.3	52.0	54.3	46.1	8.22	6.612		
2,000.0	2,000.0	1,994.4	1,993.2	4.4	4.3	81.35	9.5	62.2	63.3	54.6	8.64	7.327		
2,100.0	2,100.0	2,091.3	2,088.9	4.6	4.5	88.45	2.0	75.1	76.0	66.9	9.06	8.388		
2,200.0	2,200.0	2,187.0	2,182.9	4.8	4.8	94.34	-6.9	90.7	92.5	83.0	9.48	9.755		
2,300.0	2,300.0	2,281.5	2,275.1	5.1	5.1	98.99	-17.2	108.7	112.8	102.9	9.92	11.374		
2,400.0	2,400.0	2,374.6	2,365.2	5.3	5.4	102.61	-28.8	129.0	136.7	126.3	10.36	13.191		
2,500.0	2,500.0	2,471.0	2,458.1	5.5	5.8	105.38	-41.6	151.2	162.3	151.5	10.82	15.001		
2,600.0	2,600.0	2,567.8	2,551.4	5.7	6.2	-43.49	-54.4	173.5	187.0	175.8	11.22	16.661		
2,700.0	2,699.8	2,665.2	2,645.4	5.9	6.7	-42.58	-67.3	196.0	209.3	197.7	11.62	18.012		
2,800.0	2,799.5	2,763.3	2,739.9	6.1	7.1	-42.42	-80.3	218.6	229.1	217.1	12.03	19.047		
2,900.0	2,898.7	2,861.7	2,834.8	6.3	7.6	-42.84	-93.3	241.3	246.4	233.9	12.45	19.786		
2,978.7	2,976.4	2,939.4	2,909.6	6.4	8.0	-43.51	-103.6	259.2	258.2	245.4	12.80	20.172		
3,000.0	2,997.5	2,960.5	2,930.0	6.5	8.1	-43.77	-106.3	264.1	261.2	248.3	12.90	20.245		
3,100.0	3,096.1	3,059.3	3,025.3	6.7	8.6	-44.90	-119.4	286.9	275.4	262.0	13.40	20.559		
3,200.0	3,194.7	3,158.2	3,120.6	6.9	9.1	-45.92	-132.5	309.6	289.7	275.8	13.91	20.827		
3,300.0	3,293.3	3,257.0	3,215.9	7.2	9.6	-46.84	-145.6	332.4	304.1	289.6	14.44	21.054		
3,400.0	3,391.9	3,355.9	3,311.2	7.5	10.1	-47.68	-158.7	355.2	318.5	303.5	14.99	21.244		
3,500.0	3,490.5	3,454.7	3,406.4	7.7	10.7	-48.45	-171.7	378.0	333.0	317.5	15.56	21.403		
3,600.0	3,589.1	3,553.6	3,501.7	8.0	11.2	-49.16	-184.8	400.8	347.6	331.5	16.14	21.533		
3,700.0	3,687.7	3,652.4	3,597.0	8.3	11.7	-49.80	-197.9	423.6	362.2	345.5	16.74	21.640		
3,800.0	3,786.3	3,751.3	3,692.3	8.6	12.3	-50.40	-211.0	446.4	376.8	359.5	17.35	21.725		
3,900.0	3,884.9	3,850.1	3,787.6	8.9	12.8	-50.95	-224.0	469.2	391.5	373.6	17.97	21.793		
4,000.0	3,983.6	3,949.0	3,882.9	9.3	13.3	-51.47	-237.1	492.0	406.3	387.7	18.60	21.846		
4,100.0	4,082.2	4,047.8	3,978.2	9.6	13.9	-51.94	-250.2	514.8	421.0	401.8	19.24	21.885		
4,200.0	4,180.8	4,146.6	4,073.5	9.9	14.4	-52.39	-263.3	537.6	435.8	415.9	19.89	21.913		
4,300.0	4,279.4	4,245.5	4,168.8	10.2	15.0	-52.80	-276.3	560.4	450.6	430.0	20.54	21.932		
4,400.0	4,378.0	4,344.3	4,264.1	10.6	15.5	-53.19	-289.4	583.2	465.4	444.2	21.21	21.943		
4,500.0	4,476.6	4,443.2	4,359.4	10.9	16.1	-53.56	-302.5	606.0	480.2	458.4	21.88	21.948		
4,600.0	4,575.2	4,542.0	4,454.6	11.3	16.6	-53.90	-315.6	628.7	495.1	472.5	22.56	21.946		
4,700.0	4,673.8	4,640.9	4,549.9	11.6	17.2	-54.22	-328.6	651.5	510.0	486.7	23.24	21.940		
4,800.0	4,772.4	4,739.7	4,645.2	12.0	17.7	-54.53	-341.7	674.3	524.9	500.9	23.93	21.930		
4,900.0	4,871.0	4,838.6	4,740.5	12.3	18.3	-54.82	-354.8	697.1	539.8	515.1	24.63	21.917		
5,000.0	4,969.6	4,937.4	4,835.8	12.7	18.8	-55.09	-367.9	719.9	554.7	529.3	25.33	21.901		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,068.2	5,036.3	4,931.1	13.0	19.4	-55.35	-381.0	742.7	569.6	543.6	26.03	21.883	
5,200.0	5,166.8	5,135.1	5,026.4	13.4	20.0	-55.59	-394.0	765.5	584.5	557.8	26.74	21.862	
5,300.0	5,265.4	5,234.0	5,121.7	13.8	20.5	-55.82	-407.1	788.3	599.5	572.0	27.45	21.841	
5,400.0	5,364.1	5,332.8	5,217.0	14.1	21.1	-56.05	-420.2	811.1	614.4	586.3	28.16	21.818	
5,500.0	5,462.7	5,431.7	5,312.3	14.5	21.6	-56.26	-433.3	833.9	629.4	600.5	28.88	21.794	
5,600.0	5,561.3	5,530.5	5,407.6	14.9	22.2	-56.46	-446.3	856.7	644.4	614.8	29.60	21.769	
5,700.0	5,659.9	5,629.4	5,502.8	15.2	22.8	-56.65	-459.4	879.5	659.4	629.0	30.32	21.744	
5,764.6	5,723.6	5,693.2	5,564.4	15.5	23.1	-56.77	-467.9	894.2	669.0	638.3	30.79	21.727	
5,800.0	5,758.5	5,728.2	5,598.1	15.6	23.3	-56.91	-472.5	902.3	674.5	643.4	31.04	21.727	
5,900.0	5,857.6	5,826.8	5,693.2	15.9	23.9	-57.16	-485.5	925.0	691.1	659.4	31.67	21.819	
6,000.0	5,957.0	5,925.0	5,787.9	16.1	24.4	-57.20	-498.5	947.6	709.5	677.3	32.24	22.011	
6,100.0	6,056.8	6,022.7	5,882.1	16.3	25.0	-57.06	-511.4	970.2	729.9	697.2	32.73	22.302	
6,200.0	6,156.8	6,119.8	5,975.7	16.5	25.5	-56.75	-524.3	992.6	752.2	719.0	33.15	22.690	
6,243.2	6,200.0	6,161.6	6,015.9	16.6	25.8	94.30	-529.8	1,002.2	762.4	729.2	33.25	22.931	
6,300.0	6,256.8	6,216.3	6,068.7	16.7	26.1	94.77	-537.1	1,014.8	776.2	742.7	33.43	23.215	
6,373.3	6,330.1	6,287.0	6,136.8	16.8	26.5	95.37	-546.4	1,031.1	794.0	760.3	33.67	23.578	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix N-29HC - Wellbore #1 - Plan #1 (10-08-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	59.28	30.6	51.5	59.9					
100.0	100.0	100.0	100.0	0.1	0.1	59.28	30.6	51.5	59.9	59.7	0.22	266.465		
200.0	200.0	200.0	200.0	0.3	0.3	59.28	30.6	51.5	59.9	59.2	0.67	88.822		
300.0	300.0	300.0	300.0	0.6	0.6	59.28	30.6	51.5	59.9	58.8	1.12	53.293		
400.0	400.0	400.0	400.0	0.8	0.8	59.28	30.6	51.5	59.9	58.3	1.57	38.066		
500.0	500.0	500.0	500.0	1.0	1.0	59.28	30.6	51.5	59.9	57.9	2.02	29.607		
600.0	600.0	600.0	600.0	1.2	1.2	59.28	30.6	51.5	59.9	57.4	2.47	24.224		
700.0	700.0	700.0	700.0	1.5	1.5	59.28	30.6	51.5	59.9	57.0	2.92	20.497		
800.0	800.0	800.0	800.0	1.7	1.7	59.28	30.6	51.5	59.9	56.5	3.37	17.764		
900.0	900.0	900.0	900.0	1.9	1.9	59.28	30.6	51.5	59.9	56.1	3.82	15.674		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	59.28	30.6	51.5	59.9	55.6	4.27	14.024		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	59.28	30.6	51.5	59.9	55.2	4.72	12.689		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	59.28	30.6	51.5	59.9	54.7	5.17	11.585		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	59.28	30.6	51.5	59.9	54.3	5.62	10.659		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	59.28	30.6	51.5	59.9	53.8	6.07	9.869 CC, ES		
1,500.0	1,500.0	1,498.9	1,498.9	3.3	3.2	60.65	29.8	53.0	60.8	54.3	6.50	9.362		
1,600.0	1,600.0	1,597.5	1,597.4	3.5	3.4	64.51	27.4	57.5	63.8	56.8	6.91	9.232 SF		
1,700.0	1,700.0	1,695.7	1,695.2	3.7	3.6	70.14	23.5	65.0	69.2	61.9	7.32	9.455		
1,800.0	1,800.0	1,793.2	1,792.0	3.9	3.8	76.57	18.0	75.3	77.8	70.1	7.74	10.051		
1,900.0	1,900.0	1,889.8	1,887.4	4.2	4.1	82.88	11.0	88.4	90.0	81.8	8.17	11.016		
2,000.0	2,000.0	1,985.3	1,981.2	4.4	4.4	88.51	2.7	104.1	105.8	97.2	8.59	12.316		
2,100.0	2,100.0	2,079.4	2,073.1	4.6	4.7	93.25	-7.0	122.3	125.5	116.4	9.03	13.898		
2,200.0	2,200.0	2,172.1	2,162.8	4.8	5.0	97.11	-17.8	142.9	148.7	139.2	9.47	15.704		
2,300.0	2,300.0	2,266.4	2,253.5	5.1	5.4	100.26	-30.0	165.9	174.9	164.9	9.92	17.621		
2,400.0	2,400.0	2,362.5	2,345.7	5.3	5.8	102.65	-42.5	189.5	201.7	191.3	10.39	19.401		
2,500.0	2,500.0	2,458.5	2,438.0	5.5	6.3	104.49	-55.1	213.1	228.7	217.8	10.87	21.029		
2,600.0	2,600.0	2,555.0	2,530.6	5.7	6.8	-44.84	-67.6	236.8	254.7	243.4	11.28	22.576		
2,700.0	2,699.8	2,652.1	2,623.9	5.9	7.3	-44.06	-80.3	260.7	278.4	266.7	11.70	23.801		
2,800.0	2,799.5	2,749.8	2,717.7	6.1	7.8	-43.87	-93.0	284.7	299.6	287.5	12.12	24.714		
2,900.0	2,898.7	2,848.0	2,812.0	6.3	8.3	-44.15	-105.8	308.9	318.4	305.8	12.57	25.336		
2,978.7	2,976.4	2,925.5	2,886.4	6.4	8.8	-44.64	-115.9	327.9	331.4	318.5	12.93	25.631		
3,000.0	2,997.5	2,946.5	2,906.7	6.5	8.9	-44.86	-118.7	333.1	334.8	321.7	13.04	25.679		
3,100.0	3,096.1	3,045.1	3,001.4	6.7	9.4	-45.80	-131.5	357.4	350.5	337.0	13.55	25.876		
3,200.0	3,194.7	3,143.7	3,096.1	6.9	10.0	-46.65	-144.4	381.6	366.4	352.3	14.07	26.030		
3,300.0	3,293.3	3,242.3	3,190.8	7.2	10.5	-47.44	-157.2	405.8	382.3	367.7	14.62	26.146		
3,400.0	3,391.9	3,340.9	3,285.5	7.5	11.1	-48.16	-170.1	430.1	398.2	383.1	15.18	26.229		
3,500.0	3,490.5	3,439.5	3,380.2	7.7	11.6	-48.83	-182.9	454.3	414.3	398.5	15.76	26.284		
3,600.0	3,589.1	3,538.1	3,474.9	8.0	12.2	-49.45	-195.8	478.6	430.4	414.0	16.35	26.316		
3,700.0	3,687.7	3,636.7	3,569.6	8.3	12.8	-50.03	-208.6	502.8	446.5	429.5	16.96	26.329		
3,800.0	3,786.3	3,735.3	3,664.3	8.6	13.3	-50.56	-221.5	527.1	462.7	445.1	17.58	26.324		
3,900.0	3,884.9	3,833.9	3,759.0	8.9	13.9	-51.06	-234.3	551.3	478.9	460.7	18.20	26.307		
4,000.0	3,983.6	3,932.5	3,853.7	9.3	14.5	-51.52	-247.2	575.6	495.1	476.3	18.84	26.278		
4,100.0	4,082.2	4,031.1	3,948.4	9.6	15.1	-51.96	-260.0	599.8	511.4	491.9	19.49	26.240		
4,200.0	4,180.8	4,129.7	4,043.1	9.9	15.6	-52.37	-272.9	624.1	527.7	507.5	20.14	26.195		
4,300.0	4,279.4	4,228.3	4,137.8	10.2	16.2	-52.75	-285.7	648.3	544.0	523.2	20.81	26.144		
4,400.0	4,378.0	4,326.8	4,232.5	10.6	16.8	-53.11	-298.5	672.6	560.3	538.8	21.48	26.089		
4,500.0	4,476.6	4,425.4	4,327.2	10.9	17.4	-53.46	-311.4	696.8	576.7	554.5	22.15	26.030		
4,600.0	4,575.2	4,524.0	4,421.9	11.3	17.9	-53.78	-324.2	721.0	593.1	570.2	22.84	25.968		
4,700.0	4,673.8	4,622.6	4,516.6	11.6	18.5	-54.08	-337.1	745.3	609.5	585.9	23.53	25.905		
4,800.0	4,772.4	4,721.2	4,611.3	12.0	19.1	-54.37	-349.9	769.5	625.9	601.6	24.22	25.840		
4,900.0	4,871.0	4,819.8	4,706.0	12.3	19.7	-54.65	-362.8	793.8	642.3	617.4	24.92	25.775		
5,000.0	4,969.6	4,918.4	4,800.7	12.7	20.3	-54.91	-375.6	818.0	658.7	633.1	25.62	25.709		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix N-29HC - Wellbore #1 - Plan #1 (10-08-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,068.2	5,017.0	4,895.4	13.0	20.9	-55.16	-388.5	842.3	675.2	648.9	26.33	25.643	
5,200.0	5,166.8	5,115.6	4,990.1	13.4	21.4	-55.39	-401.3	866.5	691.7	664.6	27.04	25.577	
5,300.0	5,265.4	5,214.2	5,084.8	13.8	22.0	-55.62	-414.2	890.8	708.1	680.4	27.76	25.512	
5,400.0	5,364.1	5,312.8	5,179.5	14.1	22.6	-55.83	-427.0	915.0	724.6	696.1	28.47	25.448	
5,500.0	5,462.7	5,411.4	5,274.2	14.5	23.2	-56.04	-439.9	939.3	741.1	711.9	29.20	25.384	
5,600.0	5,561.3	5,510.0	5,368.9	14.9	23.8	-56.24	-452.7	963.5	757.6	727.7	29.92	25.322	
5,700.0	5,659.9	5,608.6	5,463.6	15.2	24.4	-56.43	-465.6	987.7	774.1	743.5	30.65	25.260	
5,764.6	5,723.6	5,672.3	5,524.7	15.5	24.7	-56.54	-473.9	1,003.4	784.8	753.7	31.12	25.221	
5,800.0	5,758.5	5,707.2	5,558.2	15.6	25.0	-56.69	-478.4	1,012.0	790.8	759.4	31.37	25.208	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix O-29HN - Wellbore #1 - Plan #1 (10-08-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	59.37	38.2	64.6	75.0					
100.0	100.0	99.0	99.0	0.1	0.1	59.37	38.2	64.6	75.0	74.8	0.22	335.530		
200.0	200.0	199.0	199.0	0.3	0.3	59.37	38.2	64.6	75.0	74.4	0.67	111.657		
300.0	300.0	299.0	299.0	0.6	0.6	59.37	38.2	64.6	75.0	73.9	1.12	66.905		
400.0	400.0	399.0	399.0	0.8	0.8	59.37	38.2	64.6	75.0	73.5	1.57	47.762		
500.0	500.0	499.0	499.0	1.0	1.0	59.37	38.2	64.6	75.0	73.0	2.02	37.136		
600.0	600.0	599.0	599.0	1.2	1.2	59.37	38.2	64.6	75.0	72.6	2.47	30.378		
700.0	700.0	699.0	699.0	1.5	1.5	59.37	38.2	64.6	75.0	72.1	2.92	25.701		
800.0	800.0	799.0	799.0	1.7	1.7	59.37	38.2	64.6	75.0	71.7	3.37	22.272		
900.0	900.0	899.0	899.0	1.9	1.9	59.37	38.2	64.6	75.0	71.2	3.82	19.650		
1,000.0	1,000.0	999.0	999.0	2.1	2.1	59.37	38.2	64.6	75.0	70.8	4.27	17.581		
1,100.0	1,100.0	1,099.0	1,099.0	2.4	2.4	59.37	38.2	64.6	75.0	70.3	4.72	15.905		
1,200.0	1,200.0	1,199.0	1,199.0	2.6	2.6	59.37	38.2	64.6	75.0	69.9	5.17	14.522 CC, ES		
1,300.0	1,300.0	1,297.6	1,297.6	2.8	2.8	60.42	37.5	66.1	76.0	70.4	5.59	13.580		
1,400.0	1,400.0	1,395.9	1,395.8	3.0	3.0	63.46	35.2	70.6	78.9	72.9	6.01	13.143		
1,500.0	1,500.0	1,493.8	1,493.3	3.3	3.2	68.01	31.5	78.0	84.3	77.9	6.42	13.130 SF		
1,600.0	1,600.0	1,591.0	1,589.8	3.5	3.4	73.41	26.3	88.4	92.7	85.9	6.85	13.538		
1,700.0	1,700.0	1,687.3	1,684.9	3.7	3.6	78.98	19.8	101.6	104.4	97.1	7.27	14.353		
1,800.0	1,800.0	1,782.5	1,778.4	3.9	3.9	84.22	11.9	117.4	119.7	112.0	7.70	15.541		
1,900.0	1,900.0	1,876.4	1,870.1	4.2	4.2	88.84	2.7	135.7	138.7	130.6	8.14	17.046		
2,000.0	2,000.0	1,968.8	1,959.6	4.4	4.6	92.77	-7.6	156.3	161.4	152.8	8.58	18.807		
2,100.0	2,100.0	2,059.6	2,046.8	4.6	5.0	96.04	-18.9	179.1	187.5	178.5	9.03	20.763		
2,200.0	2,200.0	2,154.5	2,137.3	4.8	5.5	98.79	-31.6	204.4	215.9	206.4	9.50	22.713		
2,300.0	2,300.0	2,249.9	2,228.4	5.1	6.0	100.91	-44.3	229.9	244.6	234.6	9.99	24.493		
2,400.0	2,400.0	2,345.4	2,319.5	5.3	6.5	102.59	-57.1	255.4	273.6	263.1	10.48	26.097		
2,500.0	2,500.0	2,440.8	2,410.6	5.5	7.0	103.95	-69.8	280.9	302.7	291.7	10.99	27.540		
2,600.0	2,600.0	2,536.6	2,502.0	5.7	7.6	-45.60	-82.6	306.6	330.8	319.4	11.38	29.061		
2,700.0	2,699.8	2,633.2	2,594.2	5.9	8.1	-44.87	-95.5	332.4	356.6	344.8	11.81	30.186		
2,800.0	2,799.5	2,730.5	2,687.0	6.1	8.7	-44.61	-108.5	358.4	380.0	367.7	12.26	31.000		
2,900.0	2,898.7	2,828.2	2,780.3	6.3	9.3	-44.74	-121.5	384.5	401.0	388.3	12.72	31.522		
2,978.7	2,976.4	2,905.3	2,853.9	6.4	9.8	-45.08	-131.8	405.1	415.8	402.7	13.10	31.739		
3,000.0	2,997.5	2,926.3	2,873.9	6.5	9.9	-45.25	-134.6	410.7	419.7	406.4	13.21	31.765		
3,100.0	3,096.1	3,024.5	2,967.6	6.7	10.5	-46.02	-147.7	436.9	437.6	423.9	13.74	31.861		
3,200.0	3,194.7	3,122.7	3,061.3	6.9	11.1	-46.73	-160.8	463.2	455.7	441.4	14.28	31.916		
3,300.0	3,293.3	3,220.9	3,155.0	7.2	11.7	-47.38	-173.9	489.4	473.8	459.0	14.84	31.935		
3,400.0	3,391.9	3,319.1	3,248.8	7.5	12.3	-47.98	-187.0	515.7	492.0	476.6	15.41	31.924		
3,500.0	3,490.5	3,417.3	3,342.5	7.7	12.9	-48.54	-200.1	541.9	510.2	494.2	16.00	31.890		
3,600.0	3,589.1	3,515.5	3,436.2	8.0	13.5	-49.06	-213.2	568.2	528.5	511.9	16.60	31.835		
3,700.0	3,687.7	3,613.7	3,529.9	8.3	14.1	-49.55	-226.3	594.4	546.8	529.6	17.21	31.764		
3,800.0	3,786.3	3,711.9	3,623.7	8.6	14.8	-50.01	-239.4	620.7	565.1	547.3	17.84	31.680		
3,900.0	3,884.9	3,810.2	3,717.4	8.9	15.4	-50.43	-252.5	646.9	583.5	565.0	18.47	31.586		
4,000.0	3,983.6	3,908.4	3,811.1	9.3	16.0	-50.83	-265.6	673.2	601.9	582.8	19.12	31.485		
4,100.0	4,082.2	4,006.6	3,904.8	9.6	16.6	-51.21	-278.7	699.4	620.3	600.6	19.77	31.377		
4,200.0	4,180.8	4,104.8	3,998.6	9.9	17.2	-51.57	-291.8	725.6	638.8	618.3	20.43	31.266		
4,300.0	4,279.4	4,203.0	4,092.3	10.2	17.8	-51.90	-304.9	751.9	657.3	636.2	21.10	31.152		
4,400.0	4,378.0	4,301.2	4,186.0	10.6	18.5	-52.22	-318.1	778.1	675.7	654.0	21.77	31.037		
4,500.0	4,476.6	4,399.4	4,279.7	10.9	19.1	-52.52	-331.2	804.4	694.3	671.8	22.45	30.920		
4,600.0	4,575.2	4,497.6	4,373.5	11.3	19.7	-52.81	-344.3	830.6	712.8	689.7	23.14	30.804		
4,700.0	4,673.8	4,595.8	4,467.2	11.6	20.3	-53.08	-357.4	856.9	731.3	707.5	23.83	30.688		
4,800.0	4,772.4	4,694.0	4,560.9	12.0	21.0	-53.33	-370.5	883.1	749.9	725.4	24.53	30.573		
4,900.0	4,871.0	4,792.2	4,654.6	12.3	21.6	-53.58	-383.6	909.4	768.5	743.3	25.23	30.460		
5,000.0	4,969.6	4,890.4	4,748.4	12.7	22.2	-53.81	-396.7	935.6	787.1	761.1	25.94	30.348		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	59.32	45.9	77.4	90.0				
100.0	100.0	99.0	99.0	0.1	0.1	59.32	45.9	77.4	90.0	89.7	0.22	402.252	
200.0	200.0	199.0	199.0	0.3	0.3	59.32	45.9	77.4	90.0	89.3	0.67	133.861	
300.0	300.0	299.0	299.0	0.6	0.6	59.32	45.9	77.4	90.0	88.8	1.12	80.209	
400.0	400.0	399.0	399.0	0.8	0.8	59.32	45.9	77.4	90.0	88.4	1.57	57.260	
500.0	500.0	499.0	499.0	1.0	1.0	59.32	45.9	77.4	90.0	87.9	2.02	44.521	
600.0	600.0	599.0	599.0	1.2	1.2	59.32	45.9	77.4	90.0	87.5	2.47	36.419	
700.0	700.0	699.0	699.0	1.5	1.5	59.32	45.9	77.4	90.0	87.0	2.92	30.812	
800.0	800.0	799.0	799.0	1.7	1.7	59.32	45.9	77.4	90.0	86.6	3.37	26.701	
900.0	900.0	899.0	899.0	1.9	1.9	59.32	45.9	77.4	90.0	86.1	3.82	23.558	
1,000.0	1,000.0	999.0	999.0	2.1	2.1	59.32	45.9	77.4	90.0	85.7	4.27	21.077 CC, ES	
1,100.0	1,100.0	1,097.2	1,097.1	2.4	2.3	60.16	45.3	78.9	91.0	86.3	4.69	19.375	
1,200.0	1,200.0	1,195.1	1,194.9	2.6	2.5	62.58	43.3	83.5	94.1	89.0	5.11	18.422	
1,300.0	1,300.0	1,292.5	1,292.0	2.8	2.7	66.26	40.1	91.1	99.8	94.2	5.53	18.037 SF	
1,400.0	1,400.0	1,389.3	1,388.1	3.0	3.0	70.72	35.6	101.7	108.3	102.3	5.96	18.171	
1,500.0	1,500.0	1,485.2	1,482.9	3.3	3.2	75.46	29.8	115.1	120.0	113.6	6.39	18.781	
1,600.0	1,600.0	1,580.0	1,576.1	3.5	3.5	80.06	23.0	131.2	135.2	128.3	6.82	19.812	
1,700.0	1,700.0	1,673.6	1,667.4	3.7	3.8	84.27	15.0	149.9	153.9	146.7	7.26	21.201	
1,800.0	1,800.0	1,765.7	1,756.6	3.9	4.2	87.97	6.1	171.0	176.2	168.5	7.70	22.875	
1,900.0	1,900.0	1,856.2	1,843.5	4.2	4.6	91.13	-3.8	194.2	202.0	193.9	8.16	24.765	
2,000.0	2,000.0	1,945.0	1,927.9	4.4	5.1	93.80	-14.6	219.5	231.2	222.5	8.62	26.811	
2,100.0	2,100.0	2,034.5	2,012.2	4.6	5.6	96.09	-26.4	247.2	263.3	254.2	9.10	28.927	
2,200.0	2,200.0	2,128.4	2,100.4	4.8	6.2	98.02	-39.0	276.8	296.5	286.8	9.61	30.842	
2,300.0	2,300.0	2,222.3	2,188.7	5.1	6.8	99.56	-51.6	306.5	329.8	319.7	10.13	32.549	
2,400.0	2,400.0	2,316.3	2,276.9	5.3	7.4	100.82	-64.2	336.1	363.3	352.7	10.67	34.056	
2,500.0	2,500.0	2,410.2	2,365.1	5.5	8.1	101.87	-76.9	365.8	397.0	385.8	11.22	35.390	
2,600.0	2,600.0	2,504.6	2,453.8	5.7	8.7	-47.78	-89.5	395.6	429.7	418.1	11.53	37.267	
2,700.0	2,699.8	2,599.8	2,543.2	5.9	9.4	-47.04	-102.3	425.6	460.1	448.2	11.98	38.418	
2,800.0	2,799.5	2,695.7	2,633.4	6.1	10.1	-46.69	-115.2	455.9	488.3	475.9	12.44	39.248	
2,900.0	2,898.7	2,792.3	2,724.0	6.3	10.7	-46.67	-128.2	486.3	514.2	501.3	12.93	39.778	
2,978.7	2,976.4	2,868.5	2,795.7	6.4	11.3	-46.85	-138.4	510.4	533.0	519.7	13.33	39.995	
3,000.0	2,997.5	2,889.3	2,815.2	6.5	11.4	-46.99	-141.2	516.9	537.9	524.5	13.44	40.022	
3,100.0	3,096.1	2,986.4	2,906.4	6.7	12.1	-47.62	-154.3	547.6	560.9	547.0	13.98	40.111	
3,200.0	3,194.7	3,083.5	2,997.6	6.9	12.8	-48.21	-167.3	578.3	584.0	569.5	14.55	40.150	
3,300.0	3,293.3	3,180.7	3,088.9	7.2	13.5	-48.75	-180.4	608.9	607.2	592.0	15.12	40.147	
3,400.0	3,391.9	3,277.8	3,180.1	7.5	14.2	-49.25	-193.4	639.6	630.3	614.6	15.72	40.109	
3,500.0	3,490.5	3,374.9	3,271.4	7.7	14.9	-49.72	-206.5	670.2	653.6	637.2	16.32	40.044	
3,600.0	3,589.1	3,472.1	3,362.6	8.0	15.6	-50.15	-219.5	700.9	676.8	659.9	16.94	39.956	
3,700.0	3,687.7	3,569.2	3,453.9	8.3	16.3	-50.55	-232.6	731.5	700.1	682.5	17.57	39.850	
3,800.0	3,786.3	3,666.3	3,545.1	8.6	17.0	-50.93	-245.6	762.2	723.4	705.2	18.21	39.730	
3,900.0	3,884.9	3,763.5	3,636.3	8.9	17.7	-51.29	-258.6	792.8	746.8	727.9	18.86	39.599	
4,000.0	3,983.6	3,860.6	3,727.6	9.3	18.4	-51.62	-271.7	823.5	770.2	750.7	19.52	39.461	
4,100.0	4,082.2	3,957.7	3,818.8	9.6	19.2	-51.94	-284.7	854.1	793.6	773.4	20.18	39.316	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	59.30	53.5	90.2	104.9					
100.0	100.0	99.0	99.0	0.1	0.1	59.30	53.5	90.2	104.9	104.6	0.22	468.900		
200.0	200.0	199.0	199.0	0.3	0.3	59.30	53.5	90.2	104.9	104.2	0.67	156.040		
300.0	300.0	299.0	299.0	0.6	0.6	59.30	53.5	90.2	104.9	103.7	1.12	93.499		
400.0	400.0	399.0	399.0	0.8	0.8	59.30	53.5	90.2	104.9	103.3	1.57	66.747		
500.0	500.0	499.0	499.0	1.0	1.0	59.30	53.5	90.2	104.9	102.8	2.02	51.898		
600.0	600.0	599.0	599.0	1.2	1.2	59.30	53.5	90.2	104.9	102.4	2.47	42.453		
700.0	700.0	699.0	699.0	1.5	1.5	59.30	53.5	90.2	104.9	101.9	2.92	35.917		
800.0	800.0	799.0	799.0	1.7	1.7	59.30	53.5	90.2	104.9	101.5	3.37	31.125 CC, ES		
900.0	900.0	896.8	896.7	1.9	1.9	59.99	53.0	91.7	105.9	102.1	3.80	27.901		
1,000.0	1,000.0	994.3	994.1	2.1	2.1	62.01	51.2	96.3	109.2	105.0	4.21	25.916		
1,100.0	1,100.0	1,091.3	1,090.8	2.4	2.3	65.11	48.2	104.0	114.9	110.3	4.64	24.783		
1,200.0	1,200.0	1,187.8	1,186.6	2.6	2.5	68.93	44.2	114.6	123.5	118.4	5.07	24.364 SF		
1,300.0	1,300.0	1,283.3	1,281.0	2.8	2.8	73.07	39.0	128.2	135.2	129.7	5.50	24.558		
1,400.0	1,400.0	1,377.7	1,373.8	3.0	3.1	77.21	32.8	144.4	150.2	144.3	5.94	25.275		
1,500.0	1,500.0	1,470.9	1,464.8	3.3	3.4	81.09	25.6	163.2	168.7	162.3	6.38	26.423		
1,600.0	1,600.0	1,562.7	1,553.7	3.5	3.8	84.59	17.5	184.4	190.7	183.9	6.83	27.912		
1,700.0	1,700.0	1,652.9	1,640.4	3.7	4.3	87.66	8.5	207.9	216.2	208.9	7.29	29.657		
1,800.0	1,800.0	1,741.4	1,724.5	3.9	4.7	90.30	-1.2	233.3	244.9	237.2	7.76	31.584		
1,900.0	1,900.0	1,828.1	1,806.1	4.2	5.3	92.57	-11.7	260.6	276.9	268.7	8.23	33.630		
2,000.0	2,000.0	1,912.8	1,885.0	4.4	5.8	94.49	-22.7	289.5	312.0	303.2	8.73	35.735		
2,100.0	2,100.0	2,004.7	1,970.1	4.6	6.5	96.24	-35.2	322.2	348.8	339.5	9.26	37.668		
2,200.0	2,200.0	2,097.2	2,055.6	4.8	7.2	97.67	-47.8	355.0	385.9	376.1	9.81	39.348		
2,300.0	2,300.0	2,189.7	2,141.1	5.1	7.9	98.85	-60.4	387.9	423.1	412.7	10.37	40.800		
2,400.0	2,400.0	2,282.2	2,226.6	5.3	8.6	99.84	-72.9	420.7	460.5	449.5	10.95	42.059		
2,500.0	2,500.0	2,374.7	2,312.2	5.5	9.4	100.68	-85.5	453.6	498.0	486.4	11.54	43.157		
2,600.0	2,600.0	2,467.6	2,398.2	5.7	10.1	-49.02	-98.2	486.6	534.5	522.7	11.72	45.601		
2,700.0	2,699.8	2,561.5	2,485.0	5.9	10.8	-48.26	-110.9	520.0	568.8	556.7	12.18	46.693		
2,800.0	2,799.5	2,656.2	2,572.5	6.1	11.6	-47.82	-123.8	553.6	601.0	588.4	12.66	47.459		
2,900.0	2,898.7	2,751.5	2,660.7	6.3	12.3	-47.66	-136.7	587.5	631.0	617.8	13.17	47.922		
2,978.7	2,976.4	2,826.9	2,730.4	6.4	13.0	-47.71	-147.0	614.3	653.0	639.4	13.58	48.083		
3,000.0	2,997.5	2,847.4	2,749.4	6.5	13.1	-47.84	-149.8	621.6	658.8	645.1	13.70	48.095		
3,100.0	3,096.1	2,943.5	2,838.2	6.7	13.9	-48.38	-162.8	655.7	686.0	671.7	14.26	48.113		
3,200.0	3,194.7	3,039.5	2,927.0	6.9	14.7	-48.87	-175.9	689.8	713.2	698.4	14.83	48.079		
3,300.0	3,293.3	3,135.6	3,015.9	7.2	15.4	-49.34	-188.9	723.9	740.5	725.0	15.43	48.004		
3,400.0	3,391.9	3,231.6	3,104.7	7.5	16.2	-49.76	-202.0	758.0	767.8	751.7	16.03	47.894		
3,500.0	3,490.5	3,327.7	3,193.5	7.7	17.0	-50.16	-215.1	792.2	795.1	778.5	16.65	47.757		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix R-29HN - Wellbore #1 - Plan #1 (10-08-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	59.35	61.2	103.3	120.0				
100.0	100.0	99.0	99.0	0.1	0.1	59.35	61.2	103.3	120.0	119.8	0.22	536.665	
200.0	200.0	199.0	199.0	0.3	0.3	59.35	61.2	103.3	120.0	119.3	0.67	178.591	
300.0	300.0	299.0	299.0	0.6	0.6	59.35	61.2	103.3	120.0	118.9	1.12	107.011	
400.0	400.0	399.0	399.0	0.8	0.8	59.35	61.2	103.3	120.0	118.5	1.57	76.393	
500.0	500.0	499.0	499.0	1.0	1.0	59.35	61.2	103.3	120.0	118.0	2.02	59.398	
600.0	600.0	599.0	599.0	1.2	1.2	59.35	61.2	103.3	120.0	117.6	2.47	48.588 CC, ES	
700.0	700.0	696.4	696.4	1.5	1.4	59.94	60.6	104.8	121.1	118.2	2.90	41.798	
800.0	800.0	793.5	793.4	1.7	1.6	61.67	59.0	109.4	124.4	121.1	3.32	37.507	
900.0	900.0	890.2	889.7	1.9	1.8	64.35	56.2	117.1	130.2	126.5	3.75	34.757	
1,000.0	1,000.0	986.3	985.1	2.1	2.1	67.70	52.4	127.7	138.7	134.6	4.18	33.173	
1,100.0	1,100.0	1,081.4	1,079.2	2.4	2.4	71.40	47.5	141.2	150.3	145.7	4.62	32.512 SF	
1,200.0	1,200.0	1,175.6	1,171.7	2.6	2.7	75.17	41.7	157.5	165.2	160.1	5.07	32.590	
1,300.0	1,300.0	1,268.4	1,262.4	2.8	3.0	78.80	34.9	176.3	183.4	177.9	5.52	33.251	
1,400.0	1,400.0	1,359.9	1,351.0	3.0	3.4	82.14	27.3	197.5	205.1	199.1	5.97	34.363	
1,500.0	1,500.0	1,449.8	1,437.4	3.3	3.9	85.13	18.8	221.0	230.2	223.8	6.43	35.808	
1,600.0	1,600.0	1,538.0	1,521.3	3.5	4.4	87.75	9.7	246.5	258.6	251.7	6.90	37.489	
1,700.0	1,700.0	1,624.4	1,602.7	3.7	4.9	90.03	-0.2	273.8	290.2	282.8	7.38	39.327	
1,800.0	1,800.0	1,708.9	1,681.4	3.9	5.5	92.00	-10.6	302.7	324.9	317.0	7.87	41.260	
1,900.0	1,900.0	1,791.4	1,757.4	4.2	6.2	93.69	-21.5	333.0	362.5	354.1	8.39	43.231	
2,000.0	2,000.0	1,880.7	1,838.8	4.4	6.9	95.26	-33.8	367.4	402.2	393.2	8.94	44.992	
2,100.0	2,100.0	1,971.9	1,922.1	4.6	7.7	96.59	-46.5	402.5	442.1	432.6	9.51	46.476	
2,200.0	2,200.0	2,063.2	2,005.4	4.8	8.4	97.69	-59.1	437.6	482.2	472.1	10.10	47.735	
2,300.0	2,300.0	2,154.4	2,088.6	5.1	9.2	98.63	-71.8	472.8	522.4	511.7	10.70	48.801	
2,400.0	2,400.0	2,245.7	2,171.9	5.3	10.0	99.43	-84.4	507.9	562.7	551.4	11.32	49.710	
2,500.0	2,500.0	2,336.9	2,255.1	5.5	10.8	100.13	-97.0	543.0	603.1	591.2	11.95	50.489	
2,600.0	2,600.0	2,428.7	2,338.9	5.7	11.6	-49.60	-109.8	578.4	642.6	630.6	11.96	53.735	
2,700.0	2,699.8	2,521.4	2,423.5	5.9	12.4	-48.80	-122.6	614.1	679.9	667.5	12.43	54.696	
2,800.0	2,799.5	2,615.0	2,508.8	6.1	13.2	-48.30	-135.6	650.1	715.2	702.2	12.93	55.327	
2,900.0	2,898.7	2,709.3	2,594.9	6.3	14.0	-48.04	-148.6	686.4	748.2	734.8	13.44	55.655	
2,978.7	2,976.4	2,783.9	2,663.0	6.4	14.7	-48.00	-159.0	715.1	772.7	758.8	13.87	55.710	
3,000.0	2,997.5	2,804.2	2,681.5	6.5	14.9	-48.10	-161.8	723.0	779.1	765.2	13.99	55.696	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design		Matrix 29- Pad Sec.29-T6N-R65W - Matrix S-29HC - Wellbore #1 - Plan #1 (10-08-14)											Offset Site Error:		0.0 ft
Survey Program:		0-MWD											Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	101.78	-39.4	188.7	192.8						
100.0	100.0	99.0	99.0	0.1	0.1	101.78	-39.4	188.7	192.8	192.5	0.22	861.867			
200.0	200.0	199.0	199.0	0.3	0.3	101.78	-39.4	188.7	192.8	192.1	0.67	286.811			
300.0	300.0	299.0	299.0	0.6	0.6	101.78	-39.4	188.7	192.8	191.6	1.12	171.857			
400.0	400.0	399.0	399.0	0.8	0.8	101.78	-39.4	188.7	192.8	191.2	1.57	122.685			
500.0	500.0	499.0	499.0	1.0	1.0	101.78	-39.4	188.7	192.8	190.7	2.02	95.391			
600.0	600.0	599.0	599.0	1.2	1.2	101.78	-39.4	188.7	192.8	190.3	2.47	78.031 CC, ES			
700.0	700.0	692.7	692.7	1.5	1.4	101.82	-39.8	190.1	194.3	191.5	2.89	67.238			
800.0	800.0	786.2	786.1	1.7	1.6	101.92	-41.1	194.5	199.2	195.9	3.30	60.274			
900.0	900.0	879.3	878.9	1.9	1.8	102.09	-43.2	201.7	207.3	203.6	3.73	55.612			
1,000.0	1,000.0	971.8	970.8	2.1	2.1	102.30	-46.2	211.8	218.6	214.4	4.16	52.565			
1,100.0	1,100.0	1,063.6	1,061.5	2.4	2.3	102.54	-50.0	224.6	233.1	228.5	4.60	50.682			
1,200.0	1,200.0	1,154.3	1,150.9	2.6	2.6	102.80	-54.5	240.0	250.7	245.7	5.05	49.650			
1,300.0	1,300.0	1,244.0	1,238.6	2.8	2.9	103.06	-59.8	257.8	271.5	266.0	5.51	49.246 SF			
1,400.0	1,400.0	1,332.4	1,324.5	3.0	3.3	103.31	-65.8	278.0	295.2	289.2	5.99	49.310			
1,500.0	1,500.0	1,419.4	1,408.3	3.3	3.7	103.55	-72.4	300.3	321.9	315.5	6.48	49.720			
1,600.0	1,600.0	1,500.0	1,485.3	3.5	4.2	103.76	-79.1	323.2	351.6	344.6	6.96	50.520			
1,700.0	1,700.0	1,588.7	1,569.2	3.7	4.7	103.97	-87.2	350.7	384.0	376.5	7.50	51.225			
1,800.0	1,800.0	1,670.8	1,646.1	3.9	5.3	104.16	-95.4	378.4	419.1	411.1	8.03	52.189			
1,900.0	1,900.0	1,751.1	1,720.4	4.2	5.9	104.32	-104.0	407.5	456.9	448.3	8.58	53.254			
2,000.0	2,000.0	1,833.0	1,795.4	4.4	6.5	104.48	-113.4	439.2	497.2	488.0	9.15	54.334			
2,100.0	2,100.0	1,924.2	1,878.6	4.6	7.3	104.63	-124.0	475.0	538.2	528.4	9.78	55.044			
2,200.0	2,200.0	2,015.5	1,961.8	4.8	8.0	104.76	-134.6	510.9	579.1	568.7	10.41	55.636			
2,300.0	2,300.0	2,106.7	2,045.0	5.1	8.8	104.87	-145.2	546.7	620.1	609.0	11.05	56.113			
2,400.0	2,400.0	2,197.9	2,128.2	5.3	9.6	104.97	-155.8	582.6	661.1	649.4	11.70	56.499			
2,500.0	2,500.0	2,289.1	2,211.4	5.5	10.4	105.06	-166.4	618.4	702.0	689.7	12.36	56.815			
2,600.0	2,600.0	2,380.8	2,295.0	5.7	11.2	-45.22	-177.0	654.4	741.9	730.3	11.61	63.876			
2,700.0	2,699.8	2,473.4	2,379.5	5.9	12.0	-44.86	-187.8	690.8	779.5	767.4	12.10	64.432			

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix T-29HN - Wellbore #1 - Plan #1 (10-02-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	98.94	-31.7	201.5	204.0				
100.0	100.0	99.0	99.0	0.1	0.1	98.94	-31.7	201.5	204.0	203.7	0.22	912.029	
200.0	200.0	199.0	199.0	0.3	0.3	98.94	-31.7	201.5	204.0	203.3	0.67	303.504 CC, ES	
300.0	300.0	292.4	292.4	0.6	0.5	98.99	-32.1	202.9	205.6	204.5	1.10	187.680	
400.0	400.0	385.6	385.5	0.8	0.7	99.16	-33.4	207.3	210.4	208.8	1.52	138.056	
500.0	500.0	478.4	478.0	1.0	1.0	99.41	-35.5	214.5	218.4	216.4	1.96	111.217	
600.0	600.0	570.6	569.6	1.2	1.2	99.73	-38.5	224.4	229.6	227.2	2.41	95.230	
700.0	700.0	662.1	660.1	1.5	1.5	100.10	-42.3	237.1	244.0	241.1	2.87	85.068	
800.0	800.0	752.6	749.1	1.7	1.8	100.50	-46.8	252.4	261.5	258.2	3.34	78.399	
900.0	900.0	842.0	836.6	1.9	2.2	100.90	-52.0	270.2	282.1	278.3	3.81	73.957	
1,000.0	1,000.0	930.1	922.2	2.1	2.6	101.30	-58.0	290.2	305.7	301.4	4.31	71.001	
1,100.0	1,100.0	1,016.8	1,005.8	2.4	3.1	101.67	-64.5	312.4	332.3	327.5	4.81	69.076	
1,200.0	1,200.0	1,100.0	1,085.3	2.6	3.6	102.02	-71.5	335.9	361.8	356.5	5.32	67.985	
1,300.0	1,300.0	1,185.7	1,166.4	2.8	4.1	102.35	-79.4	362.5	394.1	388.2	5.87	67.180	
1,400.0	1,400.0	1,267.6	1,243.1	3.0	4.7	102.65	-87.5	390.0	429.1	422.7	6.42	66.868	
1,500.0	1,500.0	1,347.7	1,317.3	3.3	5.3	102.92	-96.1	419.0	466.7	459.7	6.98	66.860	
1,600.0	1,600.0	1,428.2	1,390.9	3.5	6.0	103.17	-105.3	450.1	506.9	499.3	7.57	66.982	
1,700.0	1,700.0	1,519.4	1,474.0	3.7	6.8	103.42	-115.9	486.0	547.9	539.7	8.21	66.777	
1,800.0	1,800.0	1,610.5	1,557.1	3.9	7.6	103.63	-126.6	521.9	589.0	580.1	8.85	66.536	
1,900.0	1,900.0	1,701.7	1,640.2	4.2	8.4	103.82	-137.2	557.8	630.1	620.6	9.51	66.273	
2,000.0	2,000.0	1,792.8	1,723.3	4.4	9.2	103.98	-147.9	593.8	671.1	661.0	10.17	66.000	
2,100.0	2,100.0	1,884.0	1,806.4	4.6	10.0	104.13	-158.5	629.7	712.2	701.4	10.84	65.731	
2,200.0	2,200.0	1,975.2	1,889.5	4.8	10.8	104.26	-169.1	665.6	753.3	741.8	11.51	65.470	
2,300.0	2,300.0	2,066.3	1,972.7	5.1	11.6	104.37	-179.8	701.6	794.4	782.2	12.18	65.220 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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 J-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 (10-02-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4730.5ft (RKB - 22.5')

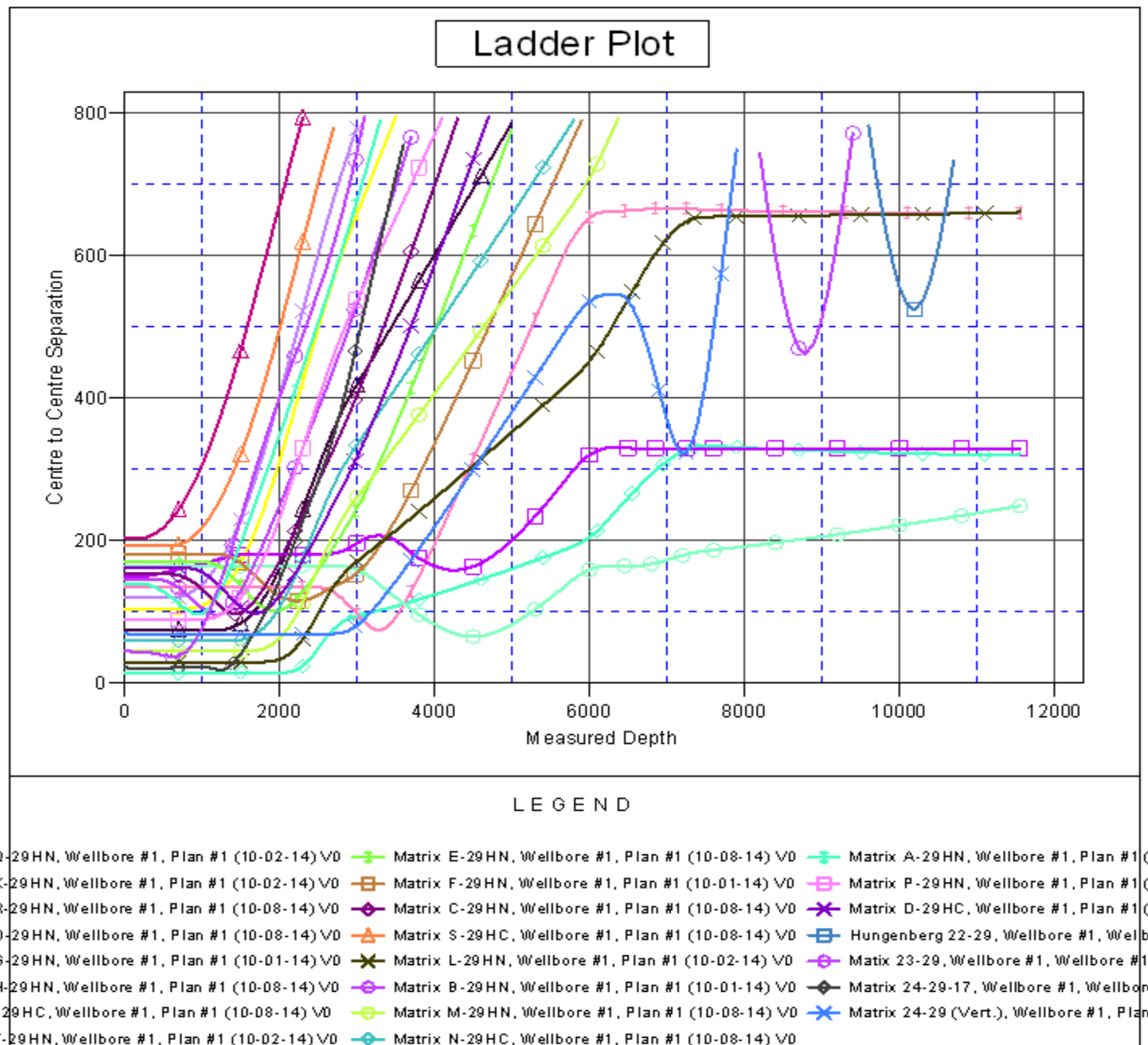
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Matrix J-29HN

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.52°



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix J-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')
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Reference Depths are relative to WELL @ 4730.5ft (RKB - 22.5')
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Central Meridian is -105.500000 °

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

