

Bayswater Exploration & Production, LLC

Well Name: **Matrix N-29HC**

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

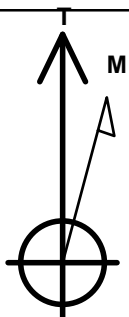
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4708.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1408871.98	3225781.76	40.452920	-104.688679	
RKB - 22.5' WELL @ 4730.5ft (RKB - 22.5')						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 537'FSL & 2237'FWL	1.0	0.0	0.0	Point
BHL 470'FNL, 1632'FEL	7133.0	4161.6	1344.0	Point



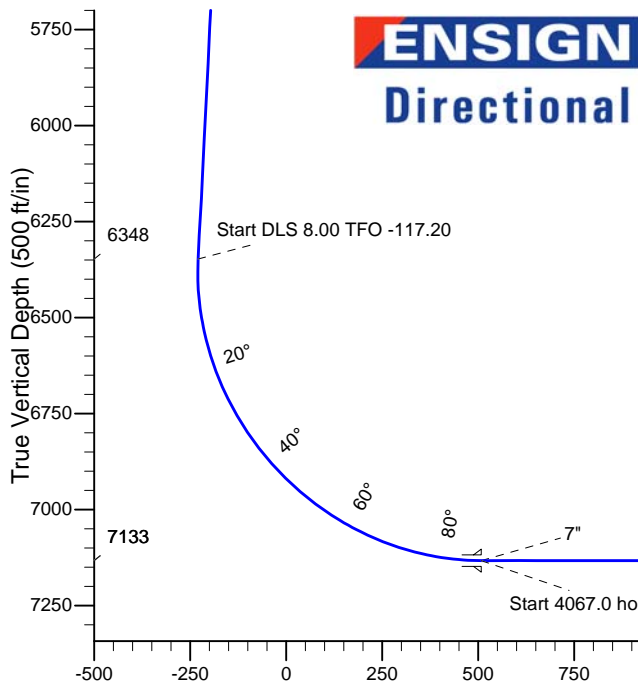
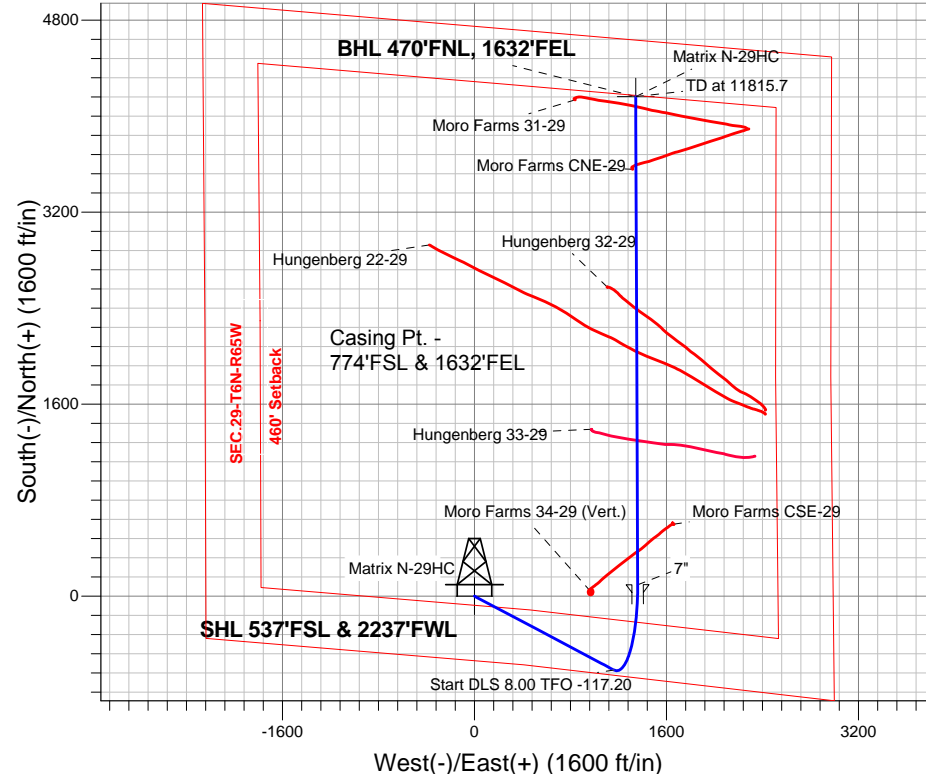
Azimuths to True North
Magnetic North: 8.38°

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

Matrix 29- Pad Sec.29-T6N-R65W
Matrix N-29HC
Plan #1 (10-08-14)
6:39, October 09 2014

ANNOTATIONS

TVD	MD	Annotation
1400.0	1400.0	KOP - Start Build 2.00
6348.0	6529.4	Start DLS 8.00 TFO -117.20
7133.0	7748.7	Start 4067.0 hold at 7748.7 MD
7133.0	11815.7	TD at 11815.7



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	2208.0	16.16	117.92	2197.3	-53.0	100.0	2.00	117.92	-19.7	
4	6529.4	16.16	117.92	6348.0	-616.2	1162.7	0.00	0.00	-229.0	
5	7748.7	90.00	359.77	7133.0	94.6	1360.4	8.00	-117.20	508.1	
6	11815.7	90.00	359.77	7133.0	4161.6	1344.1	0.00	0.00	4373.3	BHL 470'FNL, 1632'FEL

BHL 470'FNL, 1632'FEL

TD at 11815.7

Vertical Section at 17.90° (500 ft/in)



Bayswater Exploration & Production, LLC

SEC.29-T6N-R65W

Matrix 29- Pad Sec.29-T6N-R65W

Matrix N-29HC

Wellbore #1

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

Standard Planning Report

09 October, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	Landmark	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-08-14)		

Project	SEC.29-T6N-R65W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	Matrix 29- Pad Sec.29-T6N-R65W				
Site Position:		Northing:	1,408,840.92 ft	Latitude:	40.452836
From:	Lat/Long	Easting:	3,225,730.56 ft	Longitude:	-104.688864
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.52 °

Well	Matrix N-29HC					
Well Position	+N-S	30.6 ft	Northing:	1,408,871.98 ft	Latitude:	40.452920
	+E-W	51.5 ft	Easting:	3,225,781.76 ft	Longitude:	-104.688679
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	10/9/2014	8.38	66.99	52,818

Design	Plan #1 (10-08-14)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	17.90

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,208.0	16.16	117.92	2,197.3	-53.0	100.0	2.00	2.00	0.00	117.92	
6,529.4	16.16	117.92	6,348.0	-616.2	1,162.7	0.00	0.00	0.00	0.00	
7,748.7	90.00	359.77	7,133.0	94.6	1,360.4	8.00	6.06	-9.69	-117.20	
11,815.7	90.00	359.77	7,133.0	4,161.6	1,344.1	0.00	0.00	0.00	0.00	BHL 470'FNL, 1632

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Project:	SEC.29-T6N-R65W	MD Reference:	WELL @ 4730.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	North Reference:	True
Well:	Matrix N-29HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-08-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 537'FSL & 2237'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
KOP - Start Build 2.00									
1,500.0	2.00	117.92	1,500.0	-0.8	1.5	-0.3	2.00	2.00	0.00
1,600.0	4.00	117.92	1,599.8	-3.3	6.2	-1.2	2.00	2.00	0.00
1,700.0	6.00	117.92	1,699.5	-7.3	13.9	-2.7	2.00	2.00	0.00
1,800.0	8.00	117.92	1,798.7	-13.1	24.6	-4.9	2.00	2.00	0.00
1,900.0	10.00	117.92	1,897.5	-20.4	38.5	-7.6	2.00	2.00	0.00
2,000.0	12.00	117.92	1,995.6	-29.3	55.3	-10.9	2.00	2.00	0.00
2,100.0	14.00	117.92	2,093.1	-39.8	75.2	-14.8	2.00	2.00	0.00
2,200.0	16.00	117.92	2,189.6	-52.0	98.1	-19.3	2.00	2.00	0.00
2,208.0	16.16	117.92	2,197.3	-53.0	100.0	-19.7	2.00	2.00	0.00
2,300.0	16.16	117.92	2,285.7	-65.0	122.6	-24.2	0.00	0.00	0.00
2,400.0	16.16	117.92	2,381.7	-78.0	147.2	-29.0	0.00	0.00	0.00
2,500.0	16.16	117.92	2,477.8	-91.1	171.8	-33.8	0.00	0.00	0.00
2,600.0	16.16	117.92	2,573.8	-104.1	196.4	-38.7	0.00	0.00	0.00
2,700.0	16.16	117.92	2,669.9	-117.1	221.0	-43.5	0.00	0.00	0.00
2,800.0	16.16	117.92	2,765.9	-130.2	245.6	-48.4	0.00	0.00	0.00
2,900.0	16.16	117.92	2,862.0	-143.2	270.2	-53.2	0.00	0.00	0.00
3,000.0	16.16	117.92	2,958.0	-156.2	294.8	-58.1	0.00	0.00	0.00
3,100.0	16.16	117.92	3,054.1	-169.3	319.4	-62.9	0.00	0.00	0.00
3,200.0	16.16	117.92	3,150.1	-182.3	344.0	-67.8	0.00	0.00	0.00
3,300.0	16.16	117.92	3,246.2	-195.3	368.6	-72.6	0.00	0.00	0.00
3,400.0	16.16	117.92	3,342.2	-208.4	393.1	-77.4	0.00	0.00	0.00
3,500.0	16.16	117.92	3,438.3	-221.4	417.7	-82.3	0.00	0.00	0.00
3,600.0	16.16	117.92	3,534.3	-234.4	442.3	-87.1	0.00	0.00	0.00
3,700.0	16.16	117.92	3,630.4	-247.5	466.9	-92.0	0.00	0.00	0.00
3,800.0	16.16	117.92	3,726.4	-260.5	491.5	-96.8	0.00	0.00	0.00
3,900.0	16.16	117.92	3,822.5	-273.5	516.1	-101.7	0.00	0.00	0.00
4,000.0	16.16	117.92	3,918.5	-286.6	540.7	-106.5	0.00	0.00	0.00
4,100.0	16.16	117.92	4,014.6	-299.6	565.3	-111.4	0.00	0.00	0.00
4,200.0	16.16	117.92	4,110.6	-312.6	589.9	-116.2	0.00	0.00	0.00
4,300.0	16.16	117.92	4,206.7	-325.6	614.5	-121.0	0.00	0.00	0.00
4,400.0	16.16	117.92	4,302.7	-338.7	639.1	-125.9	0.00	0.00	0.00
4,500.0	16.16	117.92	4,398.8	-351.7	663.6	-130.7	0.00	0.00	0.00
4,600.0	16.16	117.92	4,494.8	-364.7	688.2	-135.6	0.00	0.00	0.00
4,700.0	16.16	117.92	4,590.9	-377.8	712.8	-140.4	0.00	0.00	0.00
4,800.0	16.16	117.92	4,686.9	-390.8	737.4	-145.3	0.00	0.00	0.00
4,900.0	16.16	117.92	4,783.0	-403.8	762.0	-150.1	0.00	0.00	0.00

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Site:	Matrix 29- Pad Sec.29-T6N-R65W	North Reference:	True
Well:	Matrix N-29HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-08-14)		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,000.0	16.16	117.92	4,879.0	-416.9	786.6	-154.9	0.00	0.00	0.00	
5,100.0	16.16	117.92	4,975.1	-429.9	811.2	-159.8	0.00	0.00	0.00	
5,200.0	16.16	117.92	5,071.1	-442.9	835.8	-164.6	0.00	0.00	0.00	
5,300.0	16.16	117.92	5,167.2	-456.0	860.4	-169.5	0.00	0.00	0.00	
5,400.0	16.16	117.92	5,263.2	-469.0	885.0	-174.3	0.00	0.00	0.00	
5,500.0	16.16	117.92	5,359.3	-482.0	909.6	-179.2	0.00	0.00	0.00	
5,600.0	16.16	117.92	5,455.3	-495.1	934.1	-184.0	0.00	0.00	0.00	
5,700.0	16.16	117.92	5,551.4	-508.1	958.7	-188.9	0.00	0.00	0.00	
5,800.0	16.16	117.92	5,647.4	-521.1	983.3	-193.7	0.00	0.00	0.00	
5,900.0	16.16	117.92	5,743.5	-534.2	1,007.9	-198.5	0.00	0.00	0.00	
6,000.0	16.16	117.92	5,839.5	-547.2	1,032.5	-203.4	0.00	0.00	0.00	
6,100.0	16.16	117.92	5,935.6	-560.2	1,057.1	-208.2	0.00	0.00	0.00	
6,200.0	16.16	117.92	6,031.6	-573.3	1,081.7	-213.1	0.00	0.00	0.00	
6,300.0	16.16	117.92	6,127.7	-586.3	1,106.3	-217.9	0.00	0.00	0.00	
6,400.0	16.16	117.92	6,223.7	-599.3	1,130.9	-222.8	0.00	0.00	0.00	
6,500.0	16.16	117.92	6,319.8	-612.4	1,155.5	-227.6	0.00	0.00	0.00	
6,529.4	16.16	117.92	6,348.0	-616.2	1,162.7	-229.0	0.00	0.00	0.00	
Start DLS 8.00 TFO -117.20										
6,600.0	14.45	97.39	6,416.1	-621.9	1,180.1	-229.1	8.00	-2.42	-29.09	
6,700.0	15.55	66.40	6,512.9	-618.2	1,204.8	-218.0	8.00	1.10	-30.98	
6,800.0	20.00	44.34	6,608.2	-600.5	1,229.1	-193.7	8.00	4.45	-22.06	
6,900.0	26.15	31.13	6,700.2	-569.4	1,252.5	-156.9	8.00	6.14	-13.21	
7,000.0	33.05	22.89	6,787.1	-525.3	1,274.5	-108.2	8.00	6.90	-8.24	
7,100.0	40.32	17.29	6,867.3	-469.2	1,294.8	-48.6	8.00	7.27	-5.60	
7,200.0	47.80	13.17	6,939.1	-402.2	1,312.9	20.8	8.00	7.47	-4.12	
7,300.0	55.38	9.93	7,001.2	-325.4	1,328.4	98.6	8.00	7.59	-3.24	
7,400.0	63.04	7.24	7,052.4	-240.6	1,341.1	183.3	8.00	7.66	-2.69	
7,500.0	70.75	4.89	7,091.6	-149.2	1,350.8	273.2	8.00	7.70	-2.35	
7,600.0	78.48	2.75	7,118.1	-53.0	1,357.2	366.6	8.00	7.73	-2.13	
7,700.0	86.23	0.74	7,131.4	45.9	1,360.2	461.8	8.00	7.75	-2.02	
7,748.7	90.00	359.77	7,133.0	94.6	1,360.4	508.1	8.00	7.75	-1.98	
Start 4067.0 hold at 7748.7 MD - 7"										
7,800.0	90.00	359.77	7,133.0	145.9	1,360.2	556.9	0.00	0.00	0.00	
7,900.0	90.00	359.77	7,133.0	245.9	1,359.8	651.9	0.00	0.00	0.00	
8,000.0	90.00	359.77	7,133.0	345.9	1,359.4	747.0	0.00	0.00	0.00	
8,100.0	90.00	359.77	7,133.0	445.9	1,359.0	842.0	0.00	0.00	0.00	
8,200.0	90.00	359.77	7,133.0	545.9	1,358.6	937.0	0.00	0.00	0.00	
8,300.0	90.00	359.77	7,133.0	645.9	1,358.2	1,032.1	0.00	0.00	0.00	
8,400.0	90.00	359.77	7,133.0	745.9	1,357.8	1,127.1	0.00	0.00	0.00	
8,500.0	90.00	359.77	7,133.0	845.9	1,357.4	1,222.1	0.00	0.00	0.00	
8,600.0	90.00	359.77	7,133.0	945.9	1,357.0	1,317.2	0.00	0.00	0.00	
8,700.0	90.00	359.77	7,133.0	1,045.9	1,356.6	1,412.2	0.00	0.00	0.00	
8,800.0	90.00	359.77	7,133.0	1,145.9	1,356.2	1,507.2	0.00	0.00	0.00	
8,900.0	90.00	359.77	7,133.0	1,245.9	1,355.8	1,602.3	0.00	0.00	0.00	
9,000.0	90.00	359.77	7,133.0	1,345.9	1,355.4	1,697.3	0.00	0.00	0.00	
9,100.0	90.00	359.77	7,133.0	1,445.9	1,355.0	1,792.3	0.00	0.00	0.00	
9,200.0	90.00	359.77	7,133.0	1,545.9	1,354.6	1,887.4	0.00	0.00	0.00	
9,300.0	90.00	359.77	7,133.0	1,645.9	1,354.2	1,982.4	0.00	0.00	0.00	
9,400.0	90.00	359.77	7,133.0	1,745.9	1,353.8	2,077.5	0.00	0.00	0.00	
9,500.0	90.00	359.77	7,133.0	1,845.9	1,353.4	2,172.5	0.00	0.00	0.00	
9,600.0	90.00	359.77	7,133.0	1,945.9	1,353.0	2,267.5	0.00	0.00	0.00	
9,700.0	90.00	359.77	7,133.0	2,045.9	1,352.6	2,362.6	0.00	0.00	0.00	
9,800.0	90.00	359.77	7,133.0	2,145.9	1,352.2	2,457.6	0.00	0.00	0.00	
9,900.0	90.00	359.77	7,133.0	2,245.9	1,351.8	2,552.6	0.00	0.00	0.00	

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Project:	SEC.29-T6N-R65W	MD Reference:	WELL @ 4730.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	North Reference:	True
Well:	Matrix N-29HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-08-14)		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
10,000.0	90.00	359.77	7,133.0	2,345.9	1,351.4	2,647.7	0.00	0.00	0.00	
10,100.0	90.00	359.77	7,133.0	2,445.9	1,351.0	2,742.7	0.00	0.00	0.00	
10,200.0	90.00	359.77	7,133.0	2,545.9	1,350.6	2,837.7	0.00	0.00	0.00	
10,300.0	90.00	359.77	7,133.0	2,645.9	1,350.2	2,932.8	0.00	0.00	0.00	
10,400.0	90.00	359.77	7,133.0	2,745.9	1,349.8	3,027.8	0.00	0.00	0.00	
10,500.0	90.00	359.77	7,133.0	2,845.9	1,349.4	3,122.9	0.00	0.00	0.00	
10,600.0	90.00	359.77	7,133.0	2,945.9	1,349.0	3,217.9	0.00	0.00	0.00	
10,700.0	90.00	359.77	7,133.0	3,045.9	1,348.6	3,312.9	0.00	0.00	0.00	
10,800.0	90.00	359.77	7,133.0	3,145.9	1,348.2	3,408.0	0.00	0.00	0.00	
10,900.0	90.00	359.77	7,133.0	3,245.9	1,347.7	3,503.0	0.00	0.00	0.00	
11,000.0	90.00	359.77	7,133.0	3,345.9	1,347.3	3,598.0	0.00	0.00	0.00	
11,100.0	90.00	359.77	7,133.0	3,445.9	1,346.9	3,693.1	0.00	0.00	0.00	
11,200.0	90.00	359.77	7,133.0	3,545.9	1,346.5	3,788.1	0.00	0.00	0.00	
11,300.0	90.00	359.77	7,133.0	3,645.9	1,346.1	3,883.1	0.00	0.00	0.00	
11,400.0	90.00	359.77	7,133.0	3,745.9	1,345.7	3,978.2	0.00	0.00	0.00	
11,500.0	90.00	359.77	7,133.0	3,845.9	1,345.3	4,073.2	0.00	0.00	0.00	
11,600.0	90.00	359.77	7,133.0	3,945.9	1,344.9	4,168.2	0.00	0.00	0.00	
11,700.0	90.00	359.77	7,133.0	4,045.9	1,344.5	4,263.3	0.00	0.00	0.00	
11,800.0	90.00	359.77	7,133.0	4,145.9	1,344.1	4,358.3	0.00	0.00	0.00	
11,815.7	90.00	359.77	7,133.0	4,161.6	1,344.1	4,373.2	0.00	0.00	0.00	
TD at 11815.7 - BHL 470'FNL, 1632'FEL										

Targets										
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SHL 537'FSL & 2237'I	- plan hits target center	0.00	0.00	1.0	0.0	0.0	1,408,871.99	3,225,781.76	40.452920	-104.688679
	- Point									
BHL 470'FNL, 1632'FI	- plan misses target center by 0.1ft at 11815.7ft MD (7133.0 TVD, 4161.6 N, 1344.1 E)	0.00	0.00	7,133.0	4,161.6	1,344.0	1,413,045.56	3,227,087.56	40.464343	-104.683849
	- Point									

Casing Points										
Measured Depth (ft)	Vertical Depth (ft)	Name					Casing Diameter (")	Hole Diameter (")		
7,748.7	7,133.0	7"					7	7-1/2		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N-S (ft)	+E-W (ft)		
		1,400.0	0.0		
		6,529.4	-53.0		
		7,748.7	-616.2		
		11,815.7	94.6		
		0.0	100.0	KOP - Start Build 2.00	
		-53.0	100.0	Start DLS 8.00 TFO -117.20	
		-616.2	1,162.7	Start 4067.0 hold at 7748.7 MD	
		94.6	1,360.4	TD at 11815.7	



Bayswater Exploration & Production, LLC

SEC.29-T6N-R65W

Matrix 29- Pad Sec.29-T6N-R65W

Matrix N-29HC

Wellbore #1

Plan #1 (10-08-14)

Anticollision Report

09 October, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (10-08-14)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 800.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date	10/9/2014		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	11,815.7	Plan #1 (10-08-14) (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						Out of range
Hungenberg 32-29 - Wellbore #1 - Wellbore #1	10,230.8	7,360.0	243.0	161.4	2.977	CC, ES, SF
Hungenberg 33-29 - Wellbore #1 - Wellbore #1	9,044.5	7,315.1	379.9	326.5	7.106	CC, ES
Hungenberg 33-29 - Wellbore #1 - Wellbore #1	9,100.0	7,315.6	384.0	329.6	7.064	SF
Matrix 29- Pad Sec.29-T6N-R65W						
Matrix F-29HN - Wellbore #1 - Plan #1 (10-01-14)	1,961.1	1,956.7	89.1	80.5	10.313	CC, ES
Matrix F-29HN - Wellbore #1 - Plan #1 (10-01-14)	2,000.0	1,993.4	89.9	81.1	10.173	SF
Matrix G-29HN - Wellbore #1 - Plan #1 (10-01-14)	1,874.1	1,871.9	64.0	55.9	7.871	CC, ES
Matrix G-29HN - Wellbore #1 - Plan #1 (10-01-14)	1,900.0	1,897.5	64.2	55.9	7.772	SF
Matrix H-29HN - Wellbore #1 - Plan #1 (10-08-14)	200.0	200.0	90.0	89.3	133.415	CC, ES
Matrix H-29HN - Wellbore #1 - Plan #1 (10-08-14)	2,000.0	1,996.6	127.1	118.5	14.671	SF
Matrix I-29HC - Wellbore #1 - Plan #1 (10-08-14)	1,961.5	1,956.9	89.7	81.1	10.465	CC, ES
Matrix I-29HC - Wellbore #1 - Plan #1 (10-08-14)	2,100.0	2,092.1	94.6	85.4	10.202	SF
Matrix J-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,400.0	1,400.0	59.9	53.8	9.869	CC, ES
Matrix J-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,600.0	1,599.8	63.8	56.9	9.238	SF
Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,400.0	1,400.0	45.0	38.9	7.412	CC, ES
Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,500.0	1,500.0	45.9	39.4	7.067	SF
Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,400.0	1,400.0	29.8	23.8	4.916	CC, ES
Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)	11,815.7	11,566.3	528.7	370.6	3.344	SF
Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,400.0	1,400.0	14.9	8.8	2.458	CC, ES
Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)	11,815.7	11,675.5	199.5	57.4	1.404	Level 3, SF
Matrix O-29HN - Wellbore #1 - Plan #1 (10-08-14)	1,200.0	1,199.0	15.1	10.0	2.931	CC, ES
Matrix O-29HN - Wellbore #1 - Plan #1 (10-08-14)	11,800.0	11,773.4	199.3	47.7	1.315	Level 3, SF
Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,000.0	999.0	30.1	25.8	7.045	CC, ES
Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14)	11,800.0	11,775.1	522.8	358.7	3.186	SF
Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14)	800.0	799.0	45.0	41.6	13.349	CC, ES
Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,000.0	996.8	49.5	45.3	11.736	SF
Matrix R-29HN - Wellbore #1 - Plan #1 (10-08-14)	600.0	599.0	60.1	57.7	24.342	CC, ES
Matrix R-29HN - Wellbore #1 - Plan #1 (10-08-14)	900.0	894.0	70.9	67.2	18.884	SF
Matrix S-29HC - Wellbore #1 - Plan #1 (10-08-14)	600.0	599.0	154.0	151.5	62.347	CC, ES
Matrix S-29HC - Wellbore #1 - Plan #1 (10-08-14)	4,600.0	4,438.3	796.0	769.8	30.388	SF
Matrix T-29HN - Wellbore #1 - Plan #1 (10-02-14)	200.0	199.0	162.4	161.8	241.688	CC, ES
Matrix T-29HN - Wellbore #1 - Plan #1 (10-02-14)	3,400.0	3,212.4	790.9	772.9	43.877	SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Moro Farms 31-29 Pad Sec.29-T6N-R65W						
Moro Farms 31-29 - Wellbore #1 - Wellbore #1	11,794.0	7,362.7	510.3	408.0	4.989	CC
Moro Farms 31-29 - Wellbore #1 - Wellbore #1	11,800.0	7,362.7	510.4	408.0	4.984	ES
Moro Farms 31-29 - Wellbore #1 - Wellbore #1	11,815.7	7,362.6	510.8	408.1	4.974	SF
Moro Farms CNE-29 - Wellbore #1 - Wellbore #1	11,211.8	7,258.1	28.9	-61.7	0.319	Level 1, CC, ES, SF
Moro Farms CSE-29 Pad Sec.29-T6N-R65W						
Moro Farms 34-29 (Vert.) - Wellbore #1 - Moro Farms 34	7,684.8	7,115.7	391.8	355.8	10.873	CC, ES
Moro Farms 34-29 (Vert.) - Wellbore #1 - Moro Farms 34	7,700.0	7,116.9	392.1	355.9	10.853	SF
Moro Farms CSE-29 - Wellbore #1 - Wellbore #1	8,251.2	7,216.4	302.2	259.8	7.137	CC, ES, SF

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 14-Reference													Offset Well Error:	0.0 ft
Hungenberg 42-29P Pad Sec.29-T6N-R65W - Hungenberg 32-29 - Wellbore #1 - Wellbore #1														
Measured Depth (ft)	Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
9,500.0	7,133.0	7,363.8	7,115.0	46.5	34.5	-91.06	2,575.7	1,107.4	770.1	701.3	68.85	11.185		
9,600.0	7,133.0	7,363.3	7,114.5	48.0	34.5	-90.94	2,575.7	1,107.4	676.0	605.4	70.56	9.581		
9,700.0	7,133.0	7,362.8	7,114.0	49.7	34.5	-90.83	2,575.7	1,107.4	583.8	511.5	72.28	8.077		
9,800.0	7,133.0	7,362.3	7,113.5	51.3	34.5	-90.71	2,575.7	1,107.4	494.6	420.6	74.01	6.683		
9,900.0	7,133.0	7,361.7	7,113.0	53.0	34.5	-90.59	2,575.7	1,107.4	410.5	334.7	75.76	5.418		
10,000.0	7,133.0	7,361.2	7,112.5	54.7	34.5	-90.47	2,575.7	1,107.4	335.2	257.6	77.53	4.323		
10,100.0	7,133.0	7,360.7	7,112.0	56.3	34.5	-90.34	2,575.7	1,107.4	276.0	196.7	79.30	3.481		
10,200.0	7,133.0	7,360.2	7,111.4	58.1	34.5	-90.22	2,575.7	1,107.4	245.0	163.9	81.08	3.021		
10,230.8	7,133.0	7,360.0	7,111.3	58.6	34.5	-90.18	2,575.7	1,107.4	243.0	161.4	81.63	2.977	CC, ES, SF	
10,300.0	7,133.0	7,359.7	7,110.9	59.8	34.5	-90.10	2,575.7	1,107.4	252.7	169.8	82.87	3.049		
10,400.0	7,133.0	7,359.1	7,110.4	61.5	34.5	-89.98	2,575.7	1,107.4	296.1	211.5	84.67	3.498		
10,500.0	7,133.0	7,358.6	7,109.9	63.3	34.5	-89.85	2,575.7	1,107.4	362.7	276.2	86.47	4.194		
10,600.0	7,133.0	7,358.1	7,109.3	65.0	34.5	-89.73	2,575.7	1,107.4	442.0	353.7	88.28	5.007		
10,700.0	7,133.0	7,357.6	7,108.8	66.8	34.5	-89.60	2,575.7	1,107.4	528.4	438.3	90.10	5.864		
10,800.0	7,133.0	7,357.0	7,108.3	68.6	34.5	-89.47	2,575.7	1,107.4	618.9	527.0	91.92	6.733		
10,900.0	7,133.0	7,356.5	7,107.7	70.3	34.5	-89.34	2,575.7	1,107.4	712.0	618.2	93.75	7.594		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 14- Hungenberg 42-29P Pad Sec.29-T6N-R65W - Hungenberg 33-29 - 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
8,400.0	7,133.0	7,309.5	7,106.8	32.3	30.0	-89.44	1,388.8	975.2	748.1	704.0	44.16	16.941	
8,500.0	7,133.0	7,310.4	7,107.6	33.1	30.0	-89.57	1,388.8	975.2	663.9	618.5	45.44	14.610	
8,600.0	7,133.0	7,311.3	7,108.5	34.1	30.0	-89.70	1,388.8	975.2	584.7	537.9	46.80	12.495	
8,700.0	7,133.0	7,312.1	7,109.3	35.2	30.0	-89.83	1,388.8	975.2	512.9	464.6	48.21	10.637	
8,800.0	7,133.0	7,313.0	7,110.2	36.3	30.0	-89.96	1,388.8	975.3	451.8	402.1	49.69	9.093	
8,900.0	7,133.0	7,313.8	7,111.1	37.6	30.0	-90.09	1,388.8	975.3	406.5	355.3	51.20	7.939	
9,000.0	7,133.0	7,314.7	7,111.9	39.0	30.0	-90.22	1,388.8	975.3	382.5	329.8	52.76	7.250	
9,044.5	7,133.0	7,315.1	7,112.3	39.6	30.0	-90.28	1,388.9	975.3	379.9	326.5	53.47	7.106 CC, ES	
9,100.0	7,133.0	7,315.6	7,112.8	40.4	30.0	-90.35	1,388.9	975.3	384.0	329.6	54.35	7.064 SF	
9,200.0	7,133.0	7,316.5	7,113.7	41.8	30.0	-90.48	1,388.9	975.3	410.5	354.6	55.98	7.334	
9,300.0	7,133.0	7,317.3	7,114.6	43.3	30.0	-90.61	1,388.9	975.3	457.9	400.2	57.63	7.945	
9,400.0	7,133.0	7,318.2	7,115.4	44.9	30.0	-90.74	1,388.9	975.3	520.3	461.0	59.30	8.774	
9,500.0	7,133.0	7,319.1	7,116.3	46.5	30.0	-90.88	1,388.9	975.3	593.2	532.2	61.00	9.724	
9,600.0	7,133.0	7,320.0	7,117.2	48.0	30.0	-91.01	1,388.9	975.3	673.0	610.3	62.71	10.732	
9,700.0	7,133.0	7,320.8	7,118.1	49.7	30.0	-91.14	1,388.9	975.3	757.6	693.2	64.44	11.758	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design		Matrix 29- Pad Sec.29-T6N-R65W - Matrix 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	122.01	-77.6	124.1	146.4							
100.0	100.0	100.0	100.0	0.1	0.1	122.01	-77.6	124.1	146.4	146.2	0.22	651.264				
200.0	200.0	200.0	200.0	0.3	0.3	122.01	-77.6	124.1	146.4	145.7	0.67	217.088				
300.0	300.0	300.0	300.0	0.6	0.6	122.01	-77.6	124.1	146.4	145.3	1.12	130.253				
400.0	400.0	400.0	400.0	0.8	0.8	122.01	-77.6	124.1	146.4	144.8	1.57	93.038				
500.0	500.0	500.0	500.0	1.0	1.0	122.01	-77.6	124.1	146.4	144.4	2.02	72.363				
600.0	600.0	600.0	600.0	1.2	1.2	122.01	-77.6	124.1	146.4	143.9	2.47	59.206				
700.0	700.0	700.0	700.0	1.5	1.5	122.01	-77.6	124.1	146.4	143.5	2.92	50.097				
800.0	800.0	800.0	800.0	1.7	1.7	122.01	-77.6	124.1	146.4	143.0	3.37	43.418				
900.0	900.0	900.0	900.0	1.9	1.9	122.01	-77.6	124.1	146.4	142.6	3.82	38.310				
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	122.01	-77.6	124.1	146.4	142.1	4.27	34.277				
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	122.01	-77.6	124.1	146.4	141.7	4.72	31.013				
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	122.01	-77.6	124.1	146.4	141.2	5.17	28.316				
1,300.0	1,300.0	1,302.9	1,302.8	2.8	2.8	122.62	-78.4	122.4	145.4	139.8	5.61	25.938				
1,400.0	1,400.0	1,405.5	1,405.3	3.0	3.0	124.48	-80.6	117.4	142.5	136.5	6.03	23.640				
1,500.0	1,500.0	1,507.4	1,506.8	3.2	3.2	9.95	-84.4	109.1	136.4	130.0	6.44	21.184				
1,600.0	1,599.8	1,608.0	1,606.7	3.4	3.4	15.49	-89.6	97.7	126.0	119.2	6.85	18.398				
1,700.0	1,699.5	1,706.8	1,704.2	3.6	3.7	24.22	-96.1	83.4	112.9	105.6	7.29	15.481				
1,800.0	1,798.7	1,803.2	1,799.1	3.9	4.0	36.66	-103.1	68.0	100.0	92.2	7.77	12.858				
1,900.0	1,897.5	1,898.8	1,893.1	4.1	4.3	53.09	-110.1	52.7	90.9	82.6	8.30	10.953				
1,961.1	1,957.6	1,956.7	1,950.2	4.3	4.5	64.87	-114.3	43.4	89.1	80.5	8.64	10.313 CC, ES				
2,000.0	1,995.6	1,993.4	1,986.3	4.4	4.6	72.67	-117.0	37.6	89.9	81.1	8.84	10.173 SF				
2,100.0	2,093.1	2,086.9	2,078.3	4.7	4.9	91.96	-123.8	22.6	100.1	90.8	9.33	10.735				
2,208.0	2,197.3	2,186.5	2,176.4	5.2	5.2	108.77	-131.0	6.7	123.5	113.7	9.80	12.596				
2,300.0	2,285.7	2,270.7	2,259.3	5.6	5.5	119.39	-137.2	-6.8	150.5	140.3	10.20	14.761				
2,400.0	2,381.7	2,362.3	2,349.5	6.0	5.9	127.33	-143.8	-21.5	183.9	173.3	10.66	17.262				
2,500.0	2,477.8	2,453.9	2,439.6	6.5	6.2	132.86	-150.5	-36.1	219.6	208.5	11.14	19.716				
2,600.0	2,573.8	2,545.4	2,529.7	7.0	6.5	136.87	-157.2	-50.8	256.6	245.0	11.64	22.040				
2,700.0	2,669.9	2,637.0	2,619.9	7.5	6.9	139.88	-163.8	-65.4	294.5	282.3	12.17	24.207				
2,800.0	2,765.9	2,728.6	2,710.0	8.1	7.2	142.21	-170.5	-80.1	332.9	320.2	12.70	26.212				
2,900.0	2,862.0	2,820.1	2,800.2	8.6	7.6	144.07	-177.2	-94.7	371.7	358.4	13.25	28.062				
3,000.0	2,958.0	2,911.7	2,890.3	9.2	7.9	145.57	-183.8	-109.4	410.7	396.9	13.80	29.768				
3,100.0	3,054.1	3,003.3	2,980.4	9.7	8.3	146.82	-190.5	-124.1	450.0	435.6	14.36	31.341				
3,200.0	3,150.1	3,094.8	3,070.6	10.3	8.7	147.87	-197.2	-138.7	489.4	474.5	14.92	32.794				
3,300.0	3,246.2	3,186.4	3,160.7	10.8	9.0	148.76	-203.8	-153.4	528.9	513.4	15.49	34.137				
3,400.0	3,342.2	3,278.0	3,250.9	11.4	9.4	149.53	-210.5	-168.0	568.5	552.5	16.07	35.381				
3,500.0	3,438.3	3,369.5	3,341.0	12.0	9.7	150.20	-217.2	-182.7	608.2	591.6	16.65	36.535				
3,600.0	3,534.3	3,461.1	3,431.1	12.6	10.1	150.79	-223.8	-197.3	648.0	630.8	17.23	37.608				
3,700.0	3,630.4	3,552.7	3,521.3	13.1	10.5	151.31	-230.5	-212.0	687.8	670.0	17.82	38.607				
3,800.0	3,726.4	3,644.2	3,611.4	13.7	10.8	151.77	-237.2	-226.6	727.7	709.3	18.40	39.539				
3,900.0	3,822.5	3,735.8	3,701.6	14.3	11.2	152.18	-243.8	-241.3	767.5	748.6	18.99	40.411				

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix G-29HN - Wellbore #1 - Plan #1 (10-01-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		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	59.35	38.3	64.6	75.0					
100.0	100.0	100.0	100.0	0.1	0.1	59.35	38.3	64.6	75.0	74.8	0.22	333.901		
200.0	200.0	200.0	200.0	0.3	0.3	59.35	38.3	64.6	75.0	74.4	0.67	111.300		
300.0	300.0	300.0	300.0	0.6	0.6	59.35	38.3	64.6	75.0	73.9	1.12	66.780		
400.0	400.0	400.0	400.0	0.8	0.8	59.35	38.3	64.6	75.0	73.5	1.57	47.700		
500.0	500.0	500.0	500.0	1.0	1.0	59.35	38.3	64.6	75.0	73.0	2.02	37.100		
600.0	600.0	600.0	600.0	1.2	1.2	59.35	38.3	64.6	75.0	72.6	2.47	30.355		
700.0	700.0	700.0	700.0	1.5	1.5	59.35	38.3	64.6	75.0	72.1	2.92	25.685		
800.0	800.0	800.0	800.0	1.7	1.7	59.35	38.3	64.6	75.0	71.7	3.37	22.260		
900.0	900.0	900.0	900.0	1.9	1.9	59.35	38.3	64.6	75.0	71.2	3.82	19.641		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	59.35	38.3	64.6	75.0	70.8	4.27	17.574		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	59.35	38.3	64.6	75.0	70.3	4.72	15.900		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	59.35	38.3	64.6	75.0	69.9	5.17	14.517		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	59.35	38.3	64.6	75.0	69.4	5.62	13.356		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	59.35	38.3	64.6	75.0	69.0	6.07	12.367		
1,500.0	1,500.0	1,500.0	1,500.0	3.2	3.3	-59.74	38.3	64.6	74.2	67.7	6.50	11.414		
1,600.0	1,599.8	1,599.8	1,599.8	3.4	3.5	-63.39	38.3	64.6	71.7	64.7	6.91	10.372		
1,700.0	1,699.5	1,699.5	1,699.5	3.6	3.7	-70.00	38.3	64.6	68.2	60.9	7.33	9.298		
1,800.0	1,798.7	1,798.7	1,798.7	3.9	3.9	-80.13	38.3	64.6	65.0	57.2	7.78	8.354		
1,874.1	1,871.9	1,871.9	1,871.9	4.0	4.1	-90.00	38.3	64.6	64.0	55.9	8.14	7.871 CC, ES		
1,900.0	1,897.5	1,897.5	1,897.5	4.1	4.2	-93.86	38.3	64.6	64.2	55.9	8.26	7.772 SF		
2,000.0	1,995.6	1,995.6	1,995.6	4.4	4.4	-109.72	38.3	64.6	68.2	59.5	8.74	7.806		
2,100.0	2,093.1	2,093.1	2,093.1	4.7	4.6	-124.85	38.3	64.6	78.8	69.7	9.17	8.592		
2,208.0	2,197.3	2,197.3	2,197.3	5.2	4.8	-138.00	38.3	64.6	97.9	88.3	9.59	10.209		
2,300.0	2,285.7	2,285.7	2,285.7	5.6	5.0	-146.22	38.3	64.6	118.5	108.5	9.96	11.894		
2,400.0	2,381.7	2,381.7	2,381.7	6.0	5.2	-152.39	38.3	64.6	142.7	132.3	10.37	13.755		
2,500.0	2,477.8	2,477.8	2,477.8	6.5	5.5	-156.77	38.3	64.6	168.0	157.2	10.80	15.559		
2,600.0	2,573.8	2,573.9	2,573.9	7.0	5.7	-160.29	37.6	63.9	194.0	182.8	11.21	17.306		
2,700.0	2,669.9	2,669.3	2,669.2	7.5	5.8	-163.79	34.8	60.9	220.7	209.1	11.60	19.031		
2,800.0	2,765.9	2,763.8	2,763.5	8.1	6.0	-167.26	29.9	55.8	248.3	236.3	11.98	20.730		
2,900.0	2,862.0	2,857.2	2,856.3	8.6	6.2	-170.67	22.9	48.5	277.1	264.7	12.37	22.403		
3,000.0	2,958.0	2,949.2	2,947.4	9.2	6.4	-173.97	14.0	39.1	307.3	294.5	12.78	24.049		
3,100.0	3,054.1	3,039.8	3,036.6	9.7	6.6	-177.15	3.2	27.9	339.1	325.9	13.22	25.663		
3,200.0	3,150.1	3,128.7	3,123.7	10.3	6.8	179.81	-9.2	14.9	372.8	359.1	13.69	27.236		
3,300.0	3,246.2	3,217.7	3,210.3	10.8	7.1	176.89	-23.4	0.0	408.3	394.0	14.20	28.746		
3,400.0	3,342.2	3,309.0	3,299.0	11.4	7.3	174.30	-38.2	-15.5	444.8	430.0	14.76	30.141		
3,500.0	3,438.3	3,400.3	3,387.7	12.0	7.6	172.09	-53.1	-31.1	482.0	466.7	15.34	31.422		
3,600.0	3,534.3	3,491.5	3,476.4	12.6	8.0	170.19	-68.0	-46.7	519.8	503.9	15.95	32.595		
3,700.0	3,630.4	3,582.8	3,565.1	13.1	8.3	168.54	-82.8	-62.3	558.0	541.5	16.57	33.671		
3,800.0	3,726.4	3,674.1	3,653.7	13.7	8.6	167.10	-97.7	-77.8	596.6	579.4	17.21	34.659		
3,900.0	3,822.5	3,765.3	3,742.4	14.3	9.0	165.83	-112.6	-93.4	635.5	617.6	17.87	35.568		
4,000.0	3,918.5	3,856.6	3,831.1	14.9	9.3	164.71	-127.4	-109.0	674.6	656.0	18.53	36.406		
4,100.0	4,014.6	3,947.8	3,919.8	15.5	9.7	163.71	-142.3	-124.6	713.9	694.7	19.20	37.179		
4,200.0	4,110.6	4,039.1	4,008.5	16.0	10.1	162.81	-157.2	-140.1	753.3	733.5	19.88	37.894		
4,300.0	4,206.7	4,130.4	4,097.2	16.6	10.5	162.00	-172.0	-155.7	792.9	772.4	20.57	38.557		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix H-29HN - Wellbore #1 - Plan #1 (10-08-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		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	45.9	77.4	90.0					
100.0	100.0	100.0	100.0	0.1	0.1	59.32	45.9	77.4	90.0	89.7	0.22	400.244		
200.0	200.0	200.0	200.0	0.3	0.3	59.32	45.9	77.4	90.0	89.3	0.67	133.415 CC, ES		
300.0	300.0	298.4	298.4	0.6	0.6	58.40	47.6	77.4	90.8	89.7	1.12	81.070		
400.0	400.0	397.9	397.8	0.8	0.8	56.24	51.7	77.4	93.1	91.5	1.57	59.170		
500.0	500.0	497.8	497.6	1.0	1.0	54.12	56.0	77.4	95.5	93.5	2.03	47.100		
600.0	600.0	597.7	597.4	1.2	1.3	52.12	60.2	77.4	98.1	95.6	2.48	39.472		
700.0	700.0	697.6	697.3	1.5	1.5	50.22	64.4	77.4	100.7	97.8	2.94	34.236		
800.0	800.0	797.6	797.1	1.7	1.7	48.41	68.7	77.4	103.5	100.1	3.40	30.434		
900.0	900.0	897.5	896.9	1.9	2.0	46.71	72.9	77.4	106.3	102.5	3.86	27.557		
1,000.0	1,000.0	997.4	996.7	2.1	2.2	45.09	77.1	77.4	109.3	105.0	4.32	25.309		
1,100.0	1,100.0	1,097.3	1,096.5	2.4	2.4	43.56	81.4	77.4	112.3	107.6	4.78	23.509		
1,200.0	1,200.0	1,197.2	1,196.4	2.6	2.7	42.11	85.6	77.4	115.4	110.2	5.24	22.038		
1,300.0	1,300.0	1,297.1	1,296.2	2.8	2.9	40.74	89.8	77.4	118.6	112.9	5.70	20.817		
1,400.0	1,400.0	1,397.6	1,396.6	3.0	3.1	39.45	94.0	77.4	121.8	115.7	6.15	19.793		
1,500.0	1,500.0	1,501.0	1,500.0	3.2	3.3	-79.83	95.9	77.4	122.9	116.4	6.49	18.928		
1,600.0	1,599.8	1,600.9	1,599.8	3.4	3.5	-82.26	95.9	77.4	122.1	115.2	6.88	17.753		
1,700.0	1,699.5	1,700.5	1,699.5	3.6	3.7	-86.35	95.9	77.4	121.2	113.9	7.29	16.617		
1,766.8	1,765.8	1,766.8	1,765.8	3.8	3.9	-90.00	95.9	77.4	121.0	113.4	7.59	15.946		
1,800.0	1,798.7	1,799.7	1,798.7	3.9	3.9	-92.08	95.9	77.4	121.0	113.3	7.73	15.658		
1,900.0	1,897.5	1,898.5	1,897.5	4.1	4.1	-99.28	95.9	77.4	122.6	114.4	8.19	14.973		
2,000.0	1,995.6	1,996.6	1,995.6	4.4	4.4	-107.57	95.9	77.4	127.1	118.5	8.67	14.671 SF		
2,100.0	2,093.1	2,094.1	2,093.1	4.7	4.6	-116.31	95.9	77.4	135.8	126.6	9.15	14.840		
2,208.0	2,197.3	2,198.3	2,197.3	5.2	4.8	-125.47	95.9	77.4	150.6	141.0	9.65	15.601		
2,300.0	2,285.7	2,286.7	2,285.7	5.6	5.0	-132.48	95.9	77.4	167.1	157.1	10.09	16.573		
2,400.0	2,381.7	2,382.8	2,381.7	6.0	5.2	-138.66	95.9	77.4	187.4	176.9	10.54	17.778		
2,500.0	2,477.8	2,478.8	2,477.8	6.5	5.4	-143.63	95.9	77.4	209.5	198.5	10.99	19.053		
2,600.0	2,573.8	2,574.9	2,573.8	7.0	5.6	-147.65	95.9	77.4	232.7	221.3	11.44	20.340		
2,700.0	2,669.9	2,670.9	2,669.9	7.5	5.8	-150.94	95.9	77.4	256.9	245.0	11.89	21.607		
2,800.0	2,765.9	2,767.0	2,765.9	8.1	6.1	-153.67	95.9	77.4	281.8	269.4	12.34	22.833		
2,900.0	2,862.0	2,863.0	2,862.0	8.6	6.3	-155.96	95.9	77.4	307.2	294.4	12.79	24.007		
3,000.0	2,958.0	2,959.1	2,958.0	9.2	6.5	-157.90	95.9	77.4	332.9	319.7	13.25	25.126		
3,100.0	3,054.1	3,058.7	3,057.7	9.7	6.7	-159.71	95.3	77.2	358.7	345.0	13.68	26.220		
3,200.0	3,150.1	3,161.1	3,159.9	10.3	6.8	-161.76	91.6	75.9	383.3	369.3	14.08	27.229		
3,300.0	3,246.2	3,263.3	3,261.9	10.8	7.0	-164.03	84.4	73.4	406.9	392.4	14.46	28.135		
3,400.0	3,342.2	3,365.2	3,363.2	11.4	7.2	-166.48	73.8	69.9	429.6	414.7	14.84	28.949		
3,500.0	3,438.3	3,466.6	3,463.5	12.0	7.4	-169.10	59.8	65.1	451.7	436.5	15.22	29.679		
3,600.0	3,534.3	3,567.1	3,562.3	12.6	7.6	-171.85	42.7	59.3	473.6	458.0	15.62	30.328		
3,700.0	3,630.4	3,665.3	3,658.4	13.1	7.8	-174.67	22.9	52.6	495.5	479.5	16.04	30.888		
3,800.0	3,726.4	3,760.0	3,750.6	13.7	8.0	-177.25	3.0	45.8	518.3	501.8	16.51	31.394		
3,900.0	3,822.5	3,854.6	3,842.9	14.3	8.2	-179.63	-16.8	39.1	542.1	525.0	17.02	31.851		
4,000.0	3,918.5	3,949.3	3,935.2	14.9	8.5	178.19	-36.7	32.3	566.7	549.1	17.57	32.255		
4,100.0	4,014.6	4,043.9	4,027.5	15.5	8.8	176.19	-56.6	25.6	592.0	573.8	18.15	32.616		
4,200.0	4,110.6	4,138.5	4,119.7	16.0	9.0	174.34	-76.5	18.8	618.0	599.2	18.77	32.928		
4,300.0	4,206.7	4,233.2	4,212.0	16.6	9.3	172.64	-96.4	12.1	644.5	625.1	19.41	33.200		
4,400.0	4,302.7	4,327.8	4,304.3	17.2	9.7	171.07	-116.3	5.3	671.6	651.5	20.09	33.437		
4,500.0	4,398.8	4,422.4	4,396.6	17.8	10.0	169.62	-136.2	-1.4	699.1	678.3	20.78	33.644		
4,600.0	4,494.8	4,517.1	4,488.8	18.4	10.3	168.28	-156.1	-8.2	727.0	705.5	21.49	33.824		
4,700.0	4,590.9	4,611.7	4,581.1	19.0	10.7	167.03	-176.0	-14.9	755.3	733.0	22.23	33.983		
4,800.0	4,686.9	4,706.4	4,673.4	19.6	11.0	165.88	-195.9	-21.7	783.8	760.9	22.97	34.122		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design													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	59.37	53.6	90.4	105.1					
100.0	100.0	99.0	99.0	0.1	0.1	59.37	53.6	90.4	105.1	104.9	0.22	469.998		
200.0	200.0	199.0	199.0	0.3	0.3	59.37	53.6	90.4	105.1	104.4	0.67	156.405		
300.0	300.0	299.0	299.0	0.6	0.6	59.37	53.6	90.4	105.1	104.0	1.12	93.718		
400.0	400.0	399.0	399.0	0.8	0.8	59.37	53.6	90.4	105.1	103.5	1.57	66.903		
500.0	500.0	499.0	499.0	1.0	1.0	59.37	53.6	90.4	105.1	103.1	2.02	52.019		
600.0	600.0	599.0	599.0	1.2	1.2	59.37	53.6	90.4	105.1	102.6	2.47	42.553		
700.0	700.0	699.0	699.0	1.5	1.5	59.37	53.6	90.4	105.1	102.2	2.92	36.001		
800.0	800.0	799.0	799.0	1.7	1.7	59.37	53.6	90.4	105.1	101.7	3.37	31.198		
900.0	900.0	899.0	899.0	1.9	1.9	59.37	53.6	90.4	105.1	101.3	3.82	27.525		
1,000.0	1,000.0	999.0	999.0	2.1	2.1	59.37	53.6	90.4	105.1	100.8	4.27	24.626		
1,100.0	1,100.0	1,099.0	1,099.0	2.4	2.4	59.37	53.6	90.4	105.1	100.4	4.72	22.280		
1,200.0	1,200.0	1,199.0	1,199.0	2.6	2.6	59.37	53.6	90.4	105.1	99.9	5.17	20.342		
1,300.0	1,300.0	1,299.0	1,299.0	2.8	2.8	59.37	53.6	90.4	105.1	99.5	5.62	18.714		
1,400.0	1,400.0	1,399.0	1,399.0	3.0	3.0	59.37	53.6	90.4	105.1	99.0	6.07	17.327		
1,500.0	1,500.0	1,499.0	1,499.0	3.2	3.3	-59.38	53.6	90.4	104.2	97.7	6.49	16.046		
1,600.0	1,599.8	1,598.8	1,598.8	3.4	3.5	-61.97	53.6	90.4	101.6	94.7	6.91	14.717		
1,700.0	1,699.5	1,698.5	1,698.5	3.6	3.7	-66.53	53.6	90.4	97.8	90.5	7.33	13.349		
1,800.0	1,798.7	1,797.7	1,797.7	3.9	3.9	-73.42	53.6	90.4	93.6	85.9	7.78	12.043		
1,900.0	1,897.5	1,896.5	1,896.5	4.1	4.2	-82.91	53.6	90.4	90.4	82.1	8.25	10.951		
1,961.5	1,957.9	1,956.9	1,956.9	4.3	4.3	-90.00	53.6	90.4	89.7	81.1	8.57	10.465 CC, ES		
2,000.0	1,995.6	1,994.6	1,994.6	4.4	4.4	-94.84	53.6	90.4	90.0	81.2	8.76	10.270		
2,100.0	2,093.1	2,092.1	2,092.1	4.7	4.6	-108.13	53.6	90.4	94.6	85.4	9.28	10.202 SF		
2,208.0	2,197.3	2,196.3	2,196.3	5.2	4.8	-122.00	53.6	90.4	107.0	97.2	9.78	10.936		
2,300.0	2,285.7	2,284.7	2,284.7	5.6	5.0	-131.96	53.6	90.4	122.8	112.7	10.18	12.062		
2,400.0	2,381.7	2,380.7	2,380.7	6.0	5.2	-140.13	53.6	90.4	143.3	132.7	10.60	13.515		
2,500.0	2,477.8	2,476.8	2,476.8	6.5	5.5	-146.23	53.6	90.4	165.9	154.9	11.02	15.055		
2,600.0	2,573.8	2,572.8	2,572.8	7.0	5.7	-150.86	53.6	90.4	189.9	178.5	11.45	16.596		
2,700.0	2,669.9	2,668.9	2,668.9	7.5	5.9	-154.45	53.6	90.4	214.9	203.0	11.88	18.094		
2,800.0	2,765.9	2,769.1	2,769.0	8.1	6.1	-157.55	52.7	90.4	239.9	227.6	12.30	19.512		
2,900.0	2,862.0	2,871.7	2,871.6	8.6	6.3	-160.66	48.4	90.1	263.2	250.5	12.68	20.760		
3,000.0	2,958.0	2,974.8	2,974.4	9.2	6.5	-163.83	40.4	89.4	284.8	271.8	13.05	21.826		
3,100.0	3,054.1	3,078.0	3,076.9	9.7	6.6	-167.09	28.7	88.5	305.0	291.6	13.43	22.717		
3,200.0	3,150.1	3,181.1	3,178.8	10.3	6.8	-170.47	13.4	87.3	324.1	310.3	13.82	23.447		
3,300.0	3,246.2	3,280.0	3,276.1	10.8	7.0	-173.76	-4.2	86.0	342.6	328.3	14.24	24.056		
3,400.0	3,342.2	3,376.5	3,371.0	11.4	7.3	-176.67	-21.5	84.6	361.9	347.2	14.70	24.622		
3,500.0	3,438.3	3,472.9	3,465.9	12.0	7.5	-179.29	-38.9	83.3	382.1	366.9	15.19	25.151		
3,600.0	3,534.3	3,569.4	3,560.8	12.6	7.8	178.35	-56.3	81.9	403.0	387.2	15.72	25.630		
3,700.0	3,630.4	3,665.9	3,655.7	13.1	8.0	176.22	-73.6	80.6	424.5	408.2	16.29	26.064		
3,800.0	3,726.4	3,762.4	3,750.6	13.7	8.3	174.29	-91.0	79.2	446.5	429.6	16.88	26.455		
3,900.0	3,822.5	3,858.8	3,845.5	14.3	8.6	172.55	-108.3	77.9	468.9	451.4	17.49	26.805		
4,000.0	3,918.5	3,955.3	3,940.4	14.9	8.9	170.96	-125.7	76.5	491.8	473.6	18.13	27.118		
4,100.0	4,014.6	4,051.8	4,035.3	15.5	9.2	169.51	-143.1	75.2	514.9	496.1	18.79	27.398		
4,200.0	4,110.6	4,148.2	4,130.1	16.0	9.5	168.18	-160.4	73.8	538.4	518.9	19.47	27.649		
4,300.0	4,206.7	4,244.7	4,225.0	16.6	9.8	166.96	-177.8	72.5	562.1	541.9	20.17	27.875		
4,400.0	4,302.7	4,341.2	4,319.9	17.2	10.1	165.84	-195.1	71.1	586.0	565.2	20.87	28.078		
4,500.0	4,398.8	4,437.7	4,414.8	17.8	10.4	164.81	-212.5	69.8	610.2	588.6	21.59	28.261		
4,600.0	4,494.8	4,534.1	4,509.7	18.4	10.8	163.86	-229.9	68.5	634.5	612.2	22.32	28.427		
4,700.0	4,590.9	4,630.6	4,604.6	19.0	11.1	162.98	-247.2	67.1	659.0	635.9	23.06	28.577		
4,800.0	4,686.9	4,727.1	4,699.5	19.6	11.5	162.15	-264.6	65.8	683.6	659.7	23.80	28.715		
4,900.0	4,783.0	4,823.6	4,794.4	20.2	11.8	161.39	-282.0	64.4	708.3	683.7	24.56	28.840		
5,000.0	4,879.0	4,920.0	4,889.3	20.8	12.1	160.68	-299.3	63.1	733.1	707.8	25.32	28.956		

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix I-29HC - Wellbore #1 - Plan #1 (10-08-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	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	4,975.1	5,016.5	4,984.1	21.3	12.5	160.01	-316.7	61.7	758.1	732.0	26.08	29.062	
5,200.0	5,071.1	5,113.0	5,079.0	21.9	12.8	159.39	-334.0	60.4	783.1	756.2	26.85	29.160	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design													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	-120.72	-30.6	-51.5	59.9					
100.0	100.0	100.0	100.0	0.1	0.1	-120.72	-30.6	-51.5	59.9	59.7	0.22	266.465		
200.0	200.0	200.0	200.0	0.3	0.3	-120.72	-30.6	-51.5	59.9	59.2	0.67	88.822		
300.0	300.0	300.0	300.0	0.6	0.6	-120.72	-30.6	-51.5	59.9	58.8	1.12	53.293		
400.0	400.0	400.0	400.0	0.8	0.8	-120.72	-30.6	-51.5	59.9	58.3	1.57	38.066		
500.0	500.0	500.0	500.0	1.0	1.0	-120.72	-30.6	-51.5	59.9	57.9	2.02	29.607		
600.0	600.0	600.0	600.0	1.2	1.2	-120.72	-30.6	-51.5	59.9	57.4	2.47	24.224		
700.0	700.0	700.0	700.0	1.5	1.5	-120.72	-30.6	-51.5	59.9	57.0	2.92	20.497		
800.0	800.0	800.0	800.0	1.7	1.7	-120.72	-30.6	-51.5	59.9	56.5	3.37	17.764		
900.0	900.0	900.0	900.0	1.9	1.9	-120.72	-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	-120.72	-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	-120.72	-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	-120.72	-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	-120.72	-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	-120.72	-30.6	-51.5	59.9	53.8	6.07	9.869 CC, ES		
1,500.0	1,500.0	1,500.0	1,500.0	3.2	3.3	122.74	-30.6	-51.5	60.8	54.3	6.50	9.361		
1,600.0	1,599.8	1,599.8	1,599.8	3.4	3.5	126.65	-30.6	-51.5	63.8	56.9	6.91	9.238 SF		
1,700.0	1,699.5	1,699.5	1,699.5	3.6	3.7	132.34	-30.6	-51.5	69.4	62.0	7.32	9.478		
1,800.0	1,798.7	1,798.7	1,798.7	3.9	3.9	138.82	-30.6	-51.5	78.1	70.4	7.73	10.105		
1,900.0	1,897.5	1,897.5	1,897.5	4.1	4.2	145.19	-30.6	-51.5	90.5	82.4	8.14	11.124		
2,000.0	1,995.6	1,995.6	1,995.6	4.4	4.4	150.85	-30.6	-51.5	106.8	98.3	8.54	12.511		
2,100.0	2,093.1	2,093.1	2,093.1	4.7	4.6	155.61	-30.6	-51.5	127.0	118.1	8.93	14.225		
2,200.0	2,197.3	2,197.3	2,197.3	5.2	4.8	159.75	-30.6	-51.5	153.1	143.8	9.34	16.391		
2,300.0	2,285.7	2,285.7	2,285.7	5.6	5.0	162.60	-30.6	-51.5	177.5	167.7	9.75	18.208		
2,400.0	2,381.7	2,381.7	2,381.7	6.0	5.2	164.93	-30.6	-51.5	204.3	194.1	10.20	20.039		
2,500.0	2,477.8	2,477.8	2,477.8	6.5	5.5	166.72	-30.6	-51.5	231.3	220.7	10.65	21.726		
2,600.0	2,573.8	2,578.9	2,578.9	7.0	5.7	168.03	-31.5	-51.0	257.8	246.7	11.10	23.236		
2,700.0	2,669.9	2,683.0	2,682.8	7.5	5.9	168.59	-35.7	-48.6	282.0	270.4	11.53	24.446		
2,800.0	2,765.9	2,788.4	2,787.9	8.1	6.0	168.54	-43.3	-44.4	303.6	291.6	11.99	25.323		
2,900.0	2,862.0	2,894.8	2,893.6	8.6	6.2	168.02	-54.3	-38.3	322.5	310.1	12.47	25.874		
3,000.0	2,958.0	3,000.2	2,997.6	9.2	6.5	167.09	-68.6	-30.3	339.0	326.1	12.97	26.136		
3,100.0	3,054.1	3,098.8	3,094.9	9.7	6.7	166.18	-82.9	-22.3	354.8	341.3	13.49	26.296		
3,200.0	3,150.1	3,197.4	3,192.1	10.3	6.9	165.34	-97.2	-14.4	370.7	356.6	14.03	26.416		
3,300.0	3,246.2	3,296.0	3,289.3	10.8	7.2	164.57	-111.5	-6.4	386.6	372.0	14.59	26.500		
3,400.0	3,342.2	3,394.6	3,386.5	11.4	7.4	163.86	-125.9	1.6	402.6	387.4	15.16	26.554		
3,500.0	3,438.3	3,493.1	3,483.8	12.0	7.7	163.21	-140.2	9.6	418.6	402.9	15.75	26.582		
3,600.0	3,534.3	3,591.7	3,581.0	12.6	8.0	162.60	-154.5	17.6	434.7	418.4	16.35	26.589		
3,700.0	3,630.4	3,690.3	3,678.2	13.1	8.3	162.04	-168.8	25.6	450.9	433.9	16.96	26.579		
3,800.0	3,726.4	3,788.9	3,775.4	13.7	8.6	161.51	-183.2	33.5	467.0	449.4	17.59	26.554		
3,900.0	3,822.5	3,887.5	3,872.6	14.3	8.9	161.03	-197.5	41.5	483.2	465.0	18.22	26.517		
4,000.0	3,918.5	3,986.1	3,969.9	14.9	9.2	160.57	-211.8	49.5	499.5	480.6	18.87	26.471		
4,100.0	4,014.6	4,084.7	4,067.1	15.5	9.5	160.14	-226.1	57.5	515.8	496.2	19.52	26.418		
4,200.0	4,110.6	4,183.3	4,164.3	16.0	9.9	159.74	-240.4	65.5	532.1	511.9	20.19	26.359		
4,300.0	4,206.7	4,281.9	4,261.5	16.6	10.2	159.36	-254.8	73.5	548.4	527.5	20.86	26.295		
4,400.0	4,302.7	4,380.5	4,358.8	17.2	10.5	159.00	-269.1	81.4	564.7	543.2	21.53	26.228		
4,500.0	4,398.8	4,479.1	4,456.0	17.8	10.9	158.67	-283.4	89.4	581.1	558.9	22.21	26.158		
4,600.0	4,494.8	4,577.7	4,553.2	18.4	11.2	158.35	-297.7	97.4	597.5	574.6	22.90	26.087		
4,700.0	4,590.9	4,676.3	4,650.4	19.0	11.5	158.05	-312.1	105.4	613.9	590.3	23.60	26.014		
4,800.0	4,686.9	4,774.9	4,747.7	19.6	11.9	157.76	-326.4	113.4	630.3	606.0	24.30	25.941		
4,900.0	4,783.0	4,873.5	4,844.9	20.2	12.2	157.49	-340.7	121.3	646.7	621.7	25.00	25.868		
5,000.0	4,879.0	4,972.1	4,942.1	20.8	12.6	157.23	-355.0	129.3	663.2	637.5	25.71	25.796		
5,100.0	4,975.1	5,070.7	5,039.3	21.3	12.9	156.99	-369.3	137.3	679.6	653.2	26.42	25.723		

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix J-29HN - Wellbore #1 - Plan #1 (10-02-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	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
5,200.0	5,071.1	5,169.3	5,136.5	21.9	13.3	156.76	-383.7	145.3	696.1	669.0	27.14	25.652	
5,300.0	5,167.2	5,267.9	5,233.8	22.5	13.6	156.53	-398.0	153.3	712.6	684.7	27.86	25.581	
5,400.0	5,263.2	5,366.5	5,331.0	23.1	14.0	156.32	-412.3	161.3	729.1	700.5	28.58	25.512	
5,500.0	5,359.3	5,465.1	5,428.2	23.7	14.4	156.12	-426.6	169.2	745.6	716.3	29.30	25.443	
5,600.0	5,455.3	5,563.7	5,525.4	24.3	14.7	155.92	-441.0	177.2	762.1	732.1	30.03	25.376	
5,700.0	5,551.4	5,662.3	5,622.7	24.9	15.1	155.74	-455.3	185.2	778.6	747.8	30.76	25.311	
5,800.0	5,647.4	5,760.8	5,719.9	25.5	15.5	155.56	-469.6	193.2	795.1	763.6	31.49	25.246	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design													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	-120.68	-22.9	-38.7	45.0					
100.0	100.0	100.0	100.0	0.1	0.1	-120.68	-22.9	-38.7	45.0	44.8	0.22	200.113		
200.0	200.0	200.0	200.0	0.3	0.3	-120.68	-22.9	-38.7	45.0	44.3	0.67	66.704		
300.0	300.0	300.0	300.0	0.6	0.6	-120.68	-22.9	-38.7	45.0	43.9	1.12	40.023		
400.0	400.0	400.0	400.0	0.8	0.8	-120.68	-22.9	-38.7	45.0	43.4	1.57	28.588		
500.0	500.0	500.0	500.0	1.0	1.0	-120.68	-22.9	-38.7	45.0	43.0	2.02	22.235		
600.0	600.0	600.0	600.0	1.2	1.2	-120.68	-22.9	-38.7	45.0	42.5	2.47	18.192		
700.0	700.0	700.0	700.0	1.5	1.5	-120.68	-22.9	-38.7	45.0	42.1	2.92	15.393		
800.0	800.0	800.0	800.0	1.7	1.7	-120.68	-22.9	-38.7	45.0	41.6	3.37	13.341		
900.0	900.0	900.0	900.0	1.9	1.9	-120.68	-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	-120.68	-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	-120.68	-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	-120.68	-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	-120.68	-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	-120.68	-22.9	-38.7	45.0	38.9	6.07	7.412 CC, ES		
1,500.0	1,500.0	1,500.0	1,500.0	3.2	3.3	123.24	-22.9	-38.7	45.9	39.4	6.50	7.067 SF		
1,600.0	1,599.8	1,599.8	1,599.8	3.4	3.5	128.32	-22.9	-38.7	49.0	42.1	6.91	7.092		
1,700.0	1,699.5	1,699.5	1,699.5	3.6	3.7	135.39	-22.9	-38.7	54.8	47.5	7.32	7.492		
1,800.0	1,798.7	1,798.7	1,798.7	3.9	3.9	142.93	-22.9	-38.7	64.1	56.4	7.72	8.297		
1,900.0	1,897.5	1,897.5	1,897.5	4.1	4.2	149.79	-22.9	-38.7	77.2	69.1	8.12	9.499		
2,000.0	1,995.6	1,995.6	1,995.6	4.4	4.4	155.48	-22.9	-38.7	94.2	85.7	8.52	11.060		
2,100.0	2,093.1	2,096.1	2,096.1	4.7	4.6	159.59	-24.1	-37.6	113.9	105.0	8.89	12.816		
2,208.0	2,197.3	2,205.4	2,205.2	5.2	4.8	162.20	-28.2	-33.6	136.1	126.8	9.26	14.695		
2,300.0	2,285.7	2,299.5	2,299.0	5.6	5.0	163.41	-34.2	-27.8	154.2	144.5	9.65	15.976		
2,400.0	2,381.7	2,402.9	2,401.6	6.0	5.2	163.78	-43.3	-19.1	171.0	160.9	10.10	16.936		
2,500.0	2,477.8	2,506.9	2,504.3	6.5	5.4	163.43	-55.2	-7.6	184.9	174.4	10.58	17.482		
2,600.0	2,573.8	2,606.1	2,602.0	7.0	5.7	162.89	-67.5	4.3	197.6	186.5	11.08	17.837		
2,700.0	2,669.9	2,705.3	2,699.6	7.5	5.9	162.41	-79.9	16.2	210.2	198.6	11.60	18.131		
2,800.0	2,765.9	2,804.5	2,797.3	8.1	6.2	161.99	-92.3	28.2	222.9	210.8	12.13	18.376		
2,900.0	2,862.0	2,903.6	2,895.0	8.6	6.5	161.61	-104.7	40.1	235.6	222.9	12.68	18.578		
3,000.0	2,958.0	3,002.8	2,992.7	9.2	6.8	161.27	-117.1	52.0	248.3	235.0	13.25	18.745		
3,100.0	3,054.1	3,102.0	3,090.3	9.7	7.1	160.96	-129.5	64.0	261.0	247.2	13.82	18.882		
3,200.0	3,150.1	3,201.2	3,188.0	10.3	7.4	160.68	-141.9	75.9	273.7	259.3	14.41	18.995		
3,300.0	3,246.2	3,300.4	3,285.7	10.8	7.8	160.43	-154.3	87.9	286.4	271.4	15.01	19.087		
3,400.0	3,342.2	3,399.6	3,383.4	11.4	8.1	160.20	-166.6	99.8	299.1	283.5	15.61	19.162		
3,500.0	3,438.3	3,498.7	3,481.1	12.0	8.4	159.99	-179.0	111.7	311.9	295.6	16.22	19.222		
3,600.0	3,534.3	3,597.9	3,578.7	12.6	8.8	159.79	-191.4	123.7	324.6	307.7	16.84	19.269		
3,700.0	3,630.4	3,697.1	3,676.4	13.1	9.1	159.61	-203.8	135.6	337.3	319.8	17.47	19.307		
3,800.0	3,726.4	3,796.3	3,774.1	13.7	9.5	159.44	-216.2	147.6	350.0	331.9	18.10	19.336		
3,900.0	3,822.5	3,895.5	3,871.8	14.3	9.9	159.28	-228.6	159.5	362.8	344.0	18.74	19.358		
4,000.0	3,918.5	3,994.6	3,969.4	14.9	10.2	159.14	-241.0	171.4	375.5	356.1	19.38	19.374		
4,100.0	4,014.6	4,093.8	4,067.1	15.5	10.6	159.00	-253.4	183.4	388.3	368.2	20.03	19.384		
4,200.0	4,110.6	4,193.0	4,164.8	16.0	11.0	158.87	-265.8	195.3	401.0	380.3	20.68	19.391		
4,300.0	4,206.7	4,292.2	4,262.5	16.6	11.3	158.75	-278.1	207.3	413.7	392.4	21.33	19.394		
4,400.0	4,302.7	4,391.4	4,360.2	17.2	11.7	158.64	-290.5	219.2	426.5	404.5	21.99	19.394		
4,500.0	4,398.8	4,490.5	4,457.8	17.8	12.1	158.54	-302.9	231.1	439.2	416.6	22.65	19.391		
4,600.0	4,494.8	4,589.7	4,555.5	18.4	12.5	158.44	-315.3	243.1	452.0	428.7	23.31	19.387		
4,700.0	4,590.9	4,688.9	4,653.2	19.0	12.8	158.34	-327.7	255.0	464.7	440.8	23.98	19.380		
4,800.0	4,686.9	4,788.1	4,750.9	19.6	13.2	158.25	-340.1	267.0	477.5	452.8	24.65	19.372		
4,900.0	4,783.0	4,887.3	4,848.5	20.2	13.6	158.17	-352.5	278.9	490.2	464.9	25.32	19.363		
5,000.0	4,879.0	4,986.4	4,946.2	20.8	14.0	158.09	-364.9	290.8	503.0	477.0	25.99	19.353		
5,100.0	4,975.1	5,085.6	5,043.9	21.3	14.4	158.01	-377.2	302.8	515.8	489.1	26.66	19.342		

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		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
5,200.0	5,071.1	5,184.8	5,141.6	21.9	14.8	157.94	-389.6	314.7	528.5	501.2	27.34	19.330	
5,300.0	5,167.2	5,284.0	5,239.2	22.5	15.1	157.87	-402.0	326.7	541.3	513.2	28.02	19.318	
5,400.0	5,263.2	5,383.2	5,336.9	23.1	15.5	157.80	-414.4	338.6	554.0	525.3	28.70	19.306	
5,500.0	5,359.3	5,482.4	5,434.6	23.7	15.9	157.74	-426.8	350.5	566.8	537.4	29.38	19.293	
5,600.0	5,455.3	5,581.5	5,532.3	24.3	16.3	157.68	-439.2	362.5	579.5	549.5	30.06	19.280	
5,700.0	5,551.4	5,680.7	5,630.0	24.9	16.7	157.62	-451.6	374.4	592.3	561.6	30.74	19.266	
5,800.0	5,647.4	5,779.9	5,727.6	25.5	17.1	157.56	-464.0	386.3	605.1	573.6	31.43	19.253	
5,900.0	5,743.5	5,879.1	5,825.3	26.1	17.5	157.51	-476.3	398.3	617.8	585.7	32.11	19.240	
6,000.0	5,839.5	5,978.3	5,923.0	26.7	17.9	157.46	-488.7	410.2	630.6	597.8	32.80	19.226	
6,100.0	5,935.6	6,077.4	6,020.7	27.3	18.3	157.41	-501.1	422.2	643.3	609.9	33.49	19.212	
6,200.0	6,031.6	6,176.6	6,118.3	27.9	18.7	157.36	-513.5	434.1	656.1	621.9	34.17	19.199	
6,300.0	6,127.7	6,271.5	6,212.0	28.5	19.0	157.45	-523.9	445.5	669.0	634.2	34.78	19.237	
6,400.0	6,223.7	6,360.8	6,300.5	29.1	19.2	158.37	-523.6	456.3	683.1	648.1	35.03	19.499	
6,500.0	6,319.8	6,445.8	6,384.2	29.7	19.3	160.05	-513.1	466.4	699.1	664.1	35.00	19.977	
6,529.4	6,348.0	6,469.7	6,407.5	29.9	19.3	160.65	-508.4	469.2	704.3	669.4	34.94	20.156	
6,550.0	6,367.8	6,486.2	6,423.5	30.0	19.3	166.69	-504.6	471.1	708.1	673.3	34.83	20.330	
6,600.0	6,416.1	6,525.9	6,461.4	30.2	19.4	-177.06	-494.2	475.7	717.4	682.8	34.56	20.760	
6,650.0	6,464.6	6,565.0	6,498.3	30.4	19.4	-159.84	-481.8	480.1	726.8	692.5	34.31	21.183	
6,700.0	6,512.9	6,600.0	6,530.6	30.6	19.4	-143.92	-469.0	484.0	736.4	702.2	34.12	21.583	
6,750.0	6,560.8	6,641.8	6,568.4	30.7	19.3	-130.47	-451.6	488.5	745.9	712.0	33.92	21.987	
6,800.0	6,608.2	6,679.7	6,601.7	30.8	19.3	-119.89	-434.0	492.4	755.3	721.5	33.78	22.361	
6,850.0	6,654.7	6,717.2	6,633.7	30.9	19.3	-111.63	-414.9	496.2	764.6	730.9	33.66	22.715	
6,900.0	6,700.2	6,750.0	6,660.8	31.0	19.2	-105.21	-396.7	499.4	773.6	740.1	33.57	23.044	
6,950.0	6,744.4	6,791.3	6,693.8	31.1	19.2	-99.97	-372.2	503.3	782.4	748.9	33.49	23.363	
7,000.0	6,787.1	6,827.9	6,721.9	31.1	19.1	-95.77	-348.8	506.5	790.7	757.3	33.43	23.656	
7,050.0	6,828.2	6,864.4	6,748.5	31.2	19.0	-92.32	-324.2	509.7	798.6	765.3	33.37	23.930	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)													Offset Site Error: 0.0 ft
Survey Program: 0-MWD													Offset Well Error: 0.0 ft
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	-120.88	-15.3	-25.6	29.8				
100.0	100.0	100.0	100.0	0.1	0.1	-120.88	-15.3	-25.6	29.8	29.6	0.22	132.733	
200.0	200.0	200.0	200.0	0.3	0.3	-120.88	-15.3	-25.6	29.8	29.2	0.67	44.244	
300.0	300.0	300.0	300.0	0.6	0.6	-120.88	-15.3	-25.6	29.8	28.7	1.12	26.547	
400.0	400.0	400.0	400.0	0.8	0.8	-120.88	-15.3	-25.6	29.8	28.3	1.57	18.962	
500.0	500.0	500.0	500.0	1.0	1.0	-120.88	-15.3	-25.6	29.8	27.8	2.02	14.748	
600.0	600.0	600.0	600.0	1.2	1.2	-120.88	-15.3	-25.6	29.8	27.4	2.47	12.067	
700.0	700.0	700.0	700.0	1.5	1.5	-120.88	-15.3	-25.6	29.8	26.9	2.92	10.210	
800.0	800.0	800.0	800.0	1.7	1.7	-120.88	-15.3	-25.6	29.8	26.5	3.37	8.849	
900.0	900.0	900.0	900.0	1.9	1.9	-120.88	-15.3	-25.6	29.8	26.0	3.82	7.808	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-120.88	-15.3	-25.6	29.8	25.6	4.27	6.986	
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-120.88	-15.3	-25.6	29.8	25.1	4.72	6.321	
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-120.88	-15.3	-25.6	29.8	24.7	5.17	5.771	
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-120.88	-15.3	-25.6	29.8	24.2	5.62	5.309	
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-120.88	-15.3	-25.6	29.8	23.8	6.07	4.916 CC, ES	
1,500.0	1,500.0	1,500.0	1,500.0	3.2	3.3	123.96	-15.3	-25.6	30.8	24.3	6.50	4.737	
1,600.0	1,599.8	1,599.8	1,599.8	3.4	3.5	131.24	-15.3	-25.6	34.0	27.1	6.91	4.920	
1,700.0	1,699.5	1,699.5	1,699.5	3.6	3.7	140.52	-15.3	-25.6	40.3	33.0	7.31	5.506	
1,800.0	1,798.7	1,798.7	1,798.7	3.9	3.9	149.26	-15.3	-25.6	50.3	42.6	7.71	6.519	
1,900.0	1,897.5	1,899.3	1,899.3	4.1	4.1	155.58	-16.3	-24.2	62.8	54.7	8.09	7.765	
2,000.0	1,995.6	2,000.5	2,000.3	4.4	4.3	159.42	-19.4	-19.9	76.0	67.6	8.44	9.005	
2,100.0	2,093.1	2,102.1	2,101.5	4.7	4.5	161.81	-24.6	-12.7	89.6	80.8	8.80	10.180	
2,208.0	2,197.3	2,212.4	2,211.0	5.2	4.8	163.39	-32.6	-1.6	104.5	95.3	9.20	11.357	
2,300.0	2,285.7	2,307.0	2,304.4	5.6	5.0	164.05	-41.5	10.7	115.9	106.3	9.62	12.054	
2,400.0	2,381.7	2,410.6	2,406.0	6.0	5.3	164.00	-53.2	27.0	125.2	115.1	10.09	12.398	
2,500.0	2,477.8	2,511.0	2,504.0	6.5	5.6	163.54	-66.0	44.6	132.3	121.7	10.60	12.479	
2,600.0	2,573.8	2,610.7	2,601.4	7.0	5.9	163.12	-78.6	62.2	139.4	128.3	11.12	12.532	
2,700.0	2,669.9	2,710.5	2,698.7	7.5	6.3	162.75	-91.3	79.7	146.5	134.8	11.66	12.559	
2,800.0	2,765.9	2,810.2	2,796.1	8.1	6.6	162.41	-104.0	97.3	153.6	141.4	12.22	12.569	
2,900.0	2,862.0	2,910.0	2,893.5	8.6	7.0	162.10	-116.6	114.9	160.7	147.9	12.79	12.564	
3,000.0	2,958.0	3,009.7	2,990.8	9.2	7.4	161.82	-129.3	132.4	167.8	154.4	13.37	12.548	
3,100.0	3,054.1	3,109.5	3,088.2	9.7	7.8	161.56	-142.0	150.0	174.9	161.0	13.97	12.524	
3,200.0	3,150.1	3,209.2	3,185.6	10.3	8.2	161.32	-154.6	167.5	182.0	167.5	14.57	12.493	
3,300.0	3,246.2	3,308.9	3,282.9	10.8	8.6	161.09	-167.3	185.1	189.2	174.0	15.19	12.457	
3,400.0	3,342.2	3,408.7	3,380.3	11.4	9.1	160.89	-180.0	202.7	196.3	180.5	15.81	12.418	
3,500.0	3,438.3	3,508.4	3,477.6	12.0	9.5	160.70	-192.6	220.2	203.4	187.0	16.44	12.377	
3,600.0	3,534.3	3,608.2	3,575.0	12.6	9.9	160.52	-205.3	237.8	210.6	193.5	17.07	12.334	
3,700.0	3,630.4	3,707.9	3,672.4	13.1	10.4	160.35	-218.0	255.4	217.7	200.0	17.71	12.290	
3,800.0	3,726.4	3,807.7	3,769.7	13.7	10.8	160.20	-230.6	272.9	224.8	206.5	18.36	12.245	
3,900.0	3,822.5	3,907.4	3,867.1	14.3	11.2	160.05	-243.3	290.5	232.0	213.0	19.01	12.201	
4,000.0	3,918.5	4,007.2	3,964.5	14.9	11.7	159.91	-256.0	308.0	239.1	219.4	19.67	12.157	
4,100.0	4,014.6	4,106.9	4,061.8	15.5	12.1	159.78	-268.6	325.6	246.2	225.9	20.33	12.113	
4,200.0	4,110.6	4,206.6	4,159.2	16.0	12.6	159.66	-281.3	343.2	253.4	232.4	20.99	12.070	
4,300.0	4,206.7	4,306.4	4,256.6	16.6	13.1	159.54	-294.0	360.7	260.5	238.9	21.66	12.027	
4,400.0	4,302.7	4,406.1	4,353.9	17.2	13.5	159.43	-306.6	378.3	267.7	245.3	22.33	11.986	
4,500.0	4,398.8	4,505.9	4,451.3	17.8	14.0	159.33	-319.3	395.9	274.8	251.8	23.01	11.946	
4,600.0	4,494.8	4,605.6	4,548.7	18.4	14.4	159.23	-332.0	413.4	282.0	258.3	23.68	11.906	
4,700.0	4,590.9	4,705.4	4,646.0	19.0	14.9	159.14	-344.6	431.0	289.1	264.7	24.36	11.868	
4,800.0	4,686.9	4,805.1	4,743.4	19.6	15.4	159.05	-357.3	448.5	296.2	271.2	25.04	11.830	
4,900.0	4,783.0	4,904.8	4,840.8	20.2	15.8	158.96	-370.0	466.1	303.4	277.7	25.72	11.794	
5,000.0	4,879.0	5,004.6	4,938.1	20.8	16.3	158.88	-382.6	483.7	310.5	284.1	26.41	11.758	
5,100.0	4,975.1	5,104.3	5,035.5	21.3	16.8	158.80	-395.3	501.2	317.7	290.6	27.10	11.724	

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design												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
5,200.0	5,071.1	5,204.1	5,132.8	21.9	17.2	158.73	-408.0	518.8	324.8	297.1	27.79	11.691	
5,300.0	5,167.2	5,303.8	5,230.2	22.5	17.7	158.66	-420.6	536.3	332.0	303.5	28.48	11.658	
5,400.0	5,263.2	5,403.6	5,327.6	23.1	18.2	158.59	-433.3	553.9	339.1	310.0	29.17	11.627	
5,500.0	5,359.3	5,503.3	5,424.9	23.7	18.6	158.53	-446.0	571.5	346.3	316.4	29.86	11.597	
5,600.0	5,455.3	5,603.0	5,522.3	24.3	19.1	158.46	-458.6	589.0	353.4	322.9	30.56	11.567	
5,700.0	5,551.4	5,702.8	5,619.7	24.9	19.6	158.40	-471.3	606.6	360.6	329.3	31.25	11.538	
5,800.0	5,647.4	5,802.5	5,717.0	25.5	20.0	158.35	-484.0	624.2	367.7	335.8	31.95	11.510	
5,900.0	5,743.5	5,902.3	5,814.4	26.1	20.5	158.29	-496.6	641.7	374.9	342.2	32.65	11.483	
6,000.0	5,839.5	6,002.0	5,911.8	26.7	21.0	158.24	-509.3	659.3	382.0	348.7	33.35	11.457	
6,100.0	5,935.6	6,101.8	6,009.1	27.3	21.5	158.19	-522.0	676.8	389.2	355.2	34.05	11.432	
6,200.0	6,031.6	6,201.5	6,106.5	27.9	21.9	158.14	-534.6	694.4	396.3	361.6	34.75	11.407	
6,300.0	6,127.7	6,301.2	6,203.9	28.5	22.4	158.09	-547.3	712.0	403.5	368.1	35.45	11.383	
6,400.0	6,223.7	6,398.3	6,298.7	29.1	22.8	158.26	-558.0	729.1	410.8	374.8	36.04	11.398	
6,500.0	6,319.8	6,491.0	6,389.9	29.7	23.1	159.88	-557.7	745.5	419.5	383.4	36.05	11.636	
6,529.4	6,348.0	6,517.5	6,415.9	29.9	23.2	160.62	-555.4	750.2	422.4	386.5	35.95	11.750	
6,550.0	6,367.8	6,535.9	6,433.8	30.0	23.2	166.65	-553.2	753.5	424.6	388.8	35.82	11.853	
6,600.0	6,416.1	6,580.0	6,476.7	30.2	23.3	-177.13	-546.1	761.2	430.0	394.5	35.52	12.108	
6,650.0	6,464.6	6,623.6	6,518.6	30.4	23.3	-159.96	-536.4	768.8	435.6	400.4	35.25	12.360	
6,700.0	6,512.9	6,666.8	6,559.3	30.6	23.4	-144.01	-524.3	776.1	441.3	406.3	35.01	12.605	
6,750.0	6,560.8	6,709.5	6,598.9	30.7	23.4	-130.69	-509.9	783.3	447.0	412.2	34.82	12.840	
6,800.0	6,608.2	6,750.0	6,635.6	30.8	23.4	-120.21	-494.0	789.9	452.8	418.1	34.66	13.062	
6,850.0	6,654.7	6,793.7	6,674.1	30.9	23.4	-111.99	-474.6	796.9	458.4	423.9	34.53	13.276	
6,900.0	6,700.2	6,835.3	6,709.6	31.0	23.4	-105.58	-453.9	803.3	463.9	429.5	34.43	13.476	
6,950.0	6,744.4	6,876.6	6,743.6	31.1	23.4	-100.48	-431.4	809.4	469.2	434.9	34.34	13.662	
7,000.0	6,787.1	6,917.6	6,776.1	31.1	23.3	-96.36	-407.0	815.3	474.3	440.1	34.28	13.837	
7,050.0	6,828.2	6,958.4	6,806.9	31.2	23.3	-92.99	-381.0	820.9	479.2	445.0	34.23	13.998	
7,100.0	6,867.3	7,000.0	6,836.9	31.2	23.3	-90.18	-352.6	826.3	483.7	449.5	34.19	14.146	
7,150.0	6,904.3	7,039.3	6,863.6	31.1	23.2	-87.87	-324.2	831.2	487.9	453.7	34.18	14.276	
7,200.0	6,939.1	7,079.5	6,889.4	31.1	23.1	-85.93	-293.7	835.8	491.7	457.6	34.18	14.388	
7,250.0	6,971.5	7,119.6	6,913.3	31.1	23.1	-84.31	-261.9	840.2	495.2	461.0	34.20	14.478	
7,300.0	7,001.2	7,159.5	6,935.4	31.0	23.0	-82.97	-228.8	844.2	498.2	463.9	34.25	14.543	
7,350.0	7,028.2	7,200.0	6,955.9	31.0	22.9	-81.88	-194.1	847.9	500.7	466.4	34.34	14.580	
7,400.0	7,052.4	7,239.2	6,973.8	30.9	22.9	-81.01	-159.4	851.2	502.8	468.3	34.49	14.581	
7,450.0	7,073.5	7,279.0	6,990.1	30.9	22.8	-80.34	-123.3	854.1	504.5	469.8	34.68	14.546	
7,500.0	7,091.6	7,318.7	7,004.4	30.8	22.7	-79.85	-86.3	856.7	505.6	470.7	34.93	14.475	
7,550.0	7,106.5	7,358.5	7,016.7	30.7	22.7	-79.54	-48.5	859.0	506.3	471.1	35.25	14.365	
7,600.0	7,118.1	7,400.0	7,027.2	30.7	22.6	-79.40	-8.4	860.9	506.5	470.9	35.64	14.213	
7,650.0	7,126.4	7,438.1	7,034.9	30.6	22.6	-79.41	28.9	862.3	506.2	470.1	36.09	14.028	
7,700.0	7,131.4	7,478.0	7,040.8	30.5	22.5	-79.58	68.3	863.4	505.5	468.9	36.61	13.808	
7,748.7	7,133.0	7,517.0	7,044.5	30.5	22.5	-79.89	107.1	864.1	504.3	467.1	37.18	13.565	
7,800.0	7,133.0	7,558.2	7,046.2	30.4	22.5	-80.07	148.3	864.4	503.3	465.7	37.67	13.362	
7,822.3	7,133.0	7,576.2	7,046.2	30.4	22.5	-80.06	166.3	864.4	503.2	465.3	37.90	13.280	
7,900.0	7,133.0	7,651.7	7,044.3	30.4	22.6	-79.86	241.8	864.1	503.5	464.8	38.77	12.989	
8,000.0	7,133.0	7,751.7	7,041.9	30.5	22.9	-79.58	341.7	863.8	504.0	463.8	40.16	12.548	
8,100.0	7,133.0	7,851.7	7,039.4	30.7	23.5	-79.30	441.7	863.4	504.4	462.6	41.85	12.053	
8,200.0	7,133.0	7,951.6	7,036.9	31.1	24.4	-79.03	541.6	863.0	504.8	461.1	43.79	11.530	
8,300.0	7,133.0	8,051.6	7,034.4	31.6	25.5	-78.75	641.6	862.6	505.3	459.4	45.95	10.998	
8,400.0	7,133.0	8,151.6	7,032.0	32.3	26.7	-78.48	741.5	862.2	505.8	457.5	48.29	10.473	
8,500.0	7,133.0	8,251.6	7,029.5	33.1	28.0	-78.20	841.4	861.8	506.3	455.5	50.80	9.966	
8,600.0	7,133.0	8,351.5	7,027.0	34.1	29.3	-77.93	941.4	861.5	506.8	453.3	53.45	9.482	
8,700.0	7,133.0	8,451.5	7,024.5	35.2	30.8	-77.65	1,041.3	861.1	507.3	451.1	56.21	9.025	
8,800.0	7,133.0	8,551.5	7,022.0	36.3	32.2	-77.38	1,141.2	860.7	507.8	448.7	59.07	8.597	

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		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	
8,900.0	7,133.0	8,651.4	7,019.6	37.6	33.8	-77.11	1,241.2	860.3	508.3	446.3	62.01	8.198	
9,000.0	7,133.0	8,751.4	7,017.1	39.0	35.3	-76.83	1,341.1	859.9	508.9	443.8	65.02	7.826	
9,100.0	7,133.0	8,851.4	7,014.6	40.4	36.9	-76.56	1,441.1	859.5	509.4	441.3	68.09	7.481	
9,200.0	7,133.0	8,951.3	7,012.1	41.8	38.5	-76.29	1,541.0	859.2	510.0	438.8	71.22	7.161	
9,300.0	7,133.0	9,051.3	7,009.7	43.3	40.2	-76.02	1,640.9	858.8	510.6	436.2	74.39	6.864	
9,400.0	7,133.0	9,151.3	7,007.2	44.9	41.8	-75.75	1,740.9	858.4	511.1	433.6	77.59	6.588	
9,500.0	7,133.0	9,251.3	7,004.7	46.5	43.5	-75.48	1,840.8	858.0	511.7	430.9	80.82	6.332	
9,600.0	7,133.0	9,351.2	7,002.2	48.0	45.2	-75.21	1,940.7	857.6	512.4	428.3	84.08	6.093	
9,700.0	7,133.0	9,451.2	6,999.7	49.7	47.0	-74.94	2,040.7	857.2	513.0	425.6	87.36	5.872	
9,800.0	7,133.0	9,551.2	6,997.3	51.3	48.7	-74.68	2,140.6	856.8	513.6	422.9	90.67	5.665	
9,900.0	7,133.0	9,651.1	6,994.8	53.0	50.4	-74.41	2,240.6	856.5	514.2	420.3	93.98	5.472	
10,000.0	7,133.0	9,751.1	6,992.3	54.7	52.2	-74.14	2,340.5	856.1	514.9	417.6	97.31	5.291	
10,100.0	7,133.0	9,851.1	6,989.8	56.3	54.0	-73.88	2,440.4	855.7	515.6	414.9	100.65	5.123	
10,200.0	7,133.0	9,951.0	6,987.4	58.1	55.7	-73.61	2,540.4	855.3	516.2	412.3	103.99	4.964	
10,300.0	7,133.0	10,051.0	6,984.9	59.8	57.5	-73.35	2,640.3	854.9	516.9	409.6	107.35	4.816	
10,400.0	7,133.0	10,151.0	6,982.4	61.5	59.3	-73.09	2,740.2	854.5	517.6	406.9	110.70	4.676	
10,500.0	7,133.0	10,250.9	6,979.9	63.3	61.1	-72.82	2,840.2	854.2	518.3	404.3	114.06	4.544	
10,600.0	7,133.0	10,350.9	6,977.5	65.0	62.9	-72.56	2,940.1	853.8	519.1	401.6	117.42	4.420	
10,700.0	7,133.0	10,450.9	6,975.0	66.8	64.8	-72.30	3,040.1	853.4	519.8	399.0	120.79	4.303	
10,800.0	7,133.0	10,550.9	6,972.5	68.6	66.6	-72.04	3,140.0	853.0	520.5	396.4	124.15	4.193	
10,900.0	7,133.0	10,650.8	6,970.0	70.3	68.4	-71.78	3,239.9	852.6	521.3	393.8	127.51	4.088	
11,000.0	7,133.0	10,750.8	6,967.5	72.1	70.2	-71.52	3,339.9	852.2	522.1	391.2	130.87	3.989	
11,100.0	7,133.0	10,850.8	6,965.1	73.9	72.1	-71.26	3,439.8	851.9	522.8	388.6	134.22	3.895	
11,200.0	7,133.0	10,950.7	6,962.6	75.7	73.9	-71.01	3,539.8	851.5	523.6	386.0	137.57	3.806	
11,300.0	7,133.0	11,050.7	6,960.1	77.5	75.8	-70.75	3,639.7	851.1	524.4	383.5	140.92	3.721	
11,400.0	7,133.0	11,150.7	6,957.6	79.3	77.6	-70.49	3,739.6	850.7	525.2	381.0	144.26	3.641	
11,500.0	7,133.0	11,250.6	6,955.2	81.1	79.5	-70.24	3,839.6	850.3	526.0	378.4	147.60	3.564	
11,600.0	7,133.0	11,350.6	6,952.7	83.0	81.3	-69.98	3,939.5	849.9	526.9	375.9	150.93	3.491	
11,700.0	7,133.0	11,450.6	6,950.2	84.8	83.2	-69.73	4,039.4	849.6	527.7	373.4	154.26	3.421	
11,800.0	7,133.0	11,550.5	6,947.7	86.6	85.0	-69.48	4,139.4	849.2	528.5	371.0	157.58	3.354	
11,815.7	7,133.0	11,566.3	6,947.3	86.9	85.3	-69.44	4,155.1	849.1	528.7	370.6	158.10	3.344 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
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	-120.86	-7.7	-12.8	14.9	14.9	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	-120.86	-7.7	-12.8	14.9	14.7	0.22	66.353	
200.0	200.0	200.0	200.0	0.3	0.3	-120.86	-7.7	-12.8	14.9	14.2	0.67	22.118	
300.0	300.0	300.0	300.0	0.6	0.6	-120.86	-7.7	-12.8	14.9	13.8	1.12	13.271	
400.0	400.0	400.0	400.0	0.8	0.8	-120.86	-7.7	-12.8	14.9	13.3	1.57	9.479	
500.0	500.0	500.0	500.0	1.0	1.0	-120.86	-7.7	-12.8	14.9	12.9	2.02	7.373	
600.0	600.0	600.0	600.0	1.2	1.2	-120.86	-7.7	-12.8	14.9	12.4	2.47	6.032	
700.0	700.0	700.0	700.0	1.5	1.5	-120.86	-7.7	-12.8	14.9	12.0	2.92	5.104	
800.0	800.0	800.0	800.0	1.7	1.7	-120.86	-7.7	-12.8	14.9	11.5	3.37	4.424	
900.0	900.0	900.0	900.0	1.9	1.9	-120.86	-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	-120.86	-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	-120.86	-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	-120.86	-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	-120.86	-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	-120.86	-7.7	-12.8	14.9	8.8	6.07	2.458 CC, ES	
1,500.0	1,500.0	1,500.0	1,500.0	3.2	3.3	126.59	-7.7	-12.8	15.9	9.4	6.50	2.446	
1,600.0	1,599.8	1,599.8	1,599.8	3.4	3.5	139.00	-7.7	-12.8	19.5	12.6	6.90	2.820	
1,700.0	1,699.5	1,700.2	1,700.2	3.6	3.7	149.36	-8.5	-11.3	25.2	17.9	7.29	3.457	
1,800.0	1,798.7	1,800.8	1,800.7	3.9	3.9	155.55	-11.2	-6.7	31.5	23.8	7.65	4.114	
1,900.0	1,897.5	1,901.7	1,901.2	4.1	4.1	159.48	-15.5	1.0	38.0	30.0	8.01	4.742	
2,000.0	1,995.6	2,002.8	2,001.5	4.4	4.3	162.08	-21.7	11.7	44.6	36.3	8.38	5.328	
2,100.0	2,093.1	2,104.2	2,101.6	4.7	4.6	163.87	-29.7	25.6	51.4	42.6	8.76	5.865	
2,200.0	2,197.3	2,213.9	2,209.3	5.2	4.9	165.19	-40.3	44.0	58.6	49.5	9.18	6.390	
2,300.0	2,285.7	2,307.8	2,300.6	5.6	5.2	165.68	-50.9	62.6	63.4	53.8	9.61	6.597	
2,400.0	2,381.7	2,409.1	2,398.4	6.0	5.6	165.37	-64.0	85.4	65.5	55.4	10.11	6.481	
2,500.0	2,477.8	2,509.1	2,494.8	6.5	6.0	164.92	-77.2	108.5	67.0	56.4	10.63	6.303	
2,600.0	2,573.8	2,609.1	2,591.2	7.0	6.4	164.48	-90.5	131.5	68.5	57.4	11.18	6.131	
2,700.0	2,669.9	2,709.1	2,687.6	7.5	6.9	164.07	-103.7	154.6	70.0	58.3	11.74	5.966	
2,800.0	2,765.9	2,809.0	2,784.0	8.1	7.3	163.67	-116.9	177.7	71.5	59.2	12.32	5.808	
2,900.0	2,862.0	2,909.0	2,880.4	8.6	7.8	163.29	-130.1	200.7	73.0	60.1	12.91	5.659	
3,000.0	2,958.0	3,009.0	2,976.8	9.2	8.3	162.92	-143.4	223.8	74.6	61.0	13.51	5.517	
3,100.0	3,054.1	3,109.0	3,073.2	9.7	8.8	162.57	-156.6	246.8	76.1	61.9	14.13	5.383	
3,200.0	3,150.1	3,209.0	3,169.6	10.3	9.4	162.23	-169.8	269.9	77.6	62.8	14.76	5.256	
3,300.0	3,246.2	3,309.0	3,266.0	10.8	9.9	161.91	-183.1	292.9	79.1	63.7	15.40	5.136	
3,400.0	3,342.2	3,409.0	3,362.3	11.4	10.4	161.60	-196.3	316.0	80.6	64.6	16.05	5.023	
3,500.0	3,438.3	3,509.0	3,458.7	12.0	10.9	161.29	-209.5	339.0	82.2	65.5	16.71	4.916	
3,600.0	3,534.3	3,608.9	3,555.1	12.6	11.5	161.00	-222.7	362.1	83.7	66.3	17.38	4.815	
3,700.0	3,630.4	3,708.9	3,651.5	13.1	12.0	160.73	-236.0	385.2	85.2	67.2	18.06	4.719	
3,800.0	3,726.4	3,808.9	3,747.9	13.7	12.6	160.46	-249.2	408.2	86.8	68.0	18.74	4.629	
3,900.0	3,822.5	3,908.9	3,844.3	14.3	13.1	160.20	-262.4	431.3	88.3	68.9	19.43	4.544	
4,000.0	3,918.5	4,008.9	3,940.7	14.9	13.7	159.94	-275.6	454.3	89.8	69.7	20.13	4.463	
4,100.0	4,014.6	4,108.9	4,037.1	15.5	14.2	159.70	-288.9	477.4	91.4	70.5	20.83	4.386	
4,200.0	4,110.6	4,208.9	4,133.5	16.0	14.8	159.47	-302.1	500.4	92.9	71.4	21.54	4.313	
4,300.0	4,206.7	4,308.9	4,229.9	16.6	15.3	159.24	-315.3	523.5	94.4	72.2	22.25	4.244	
4,400.0	4,302.7	4,408.8	4,326.2	17.2	15.9	159.02	-328.5	546.5	96.0	73.0	22.97	4.178	
4,500.0	4,398.8	4,508.8	4,422.6	17.8	16.4	158.81	-341.8	569.6	97.5	73.8	23.69	4.116	
4,600.0	4,494.8	4,608.8	4,519.0	18.4	17.0	158.60	-355.0	592.7	99.1	74.6	24.42	4.057	
4,700.0	4,590.9	4,708.8	4,615.4	19.0	17.6	158.40	-368.2	615.7	100.6	75.5	25.15	4.000	
4,800.0	4,686.9	4,808.8	4,711.8	19.6	18.1	158.21	-381.5	638.8	102.2	76.3	25.89	3.946	
4,900.0	4,783.0	4,908.8	4,808.2	20.2	18.7	158.02	-394.7	661.8	103.7	77.1	26.63	3.895	
5,000.0	4,879.0	5,008.8	4,904.6	20.8	19.2	157.83	-407.9	684.9	105.3	77.9	27.37	3.845	
5,100.0	4,975.1	5,108.8	5,001.0	21.3	19.8	157.66	-421.1	707.9	106.8	78.7	28.12	3.799	

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		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
5,200.0	5,071.1	5,208.7	5,097.4	21.9	20.4	157.49	-434.4	731.0	108.4	79.5	28.87	3.754	
5,300.0	5,167.2	5,308.7	5,193.7	22.5	20.9	157.32	-447.6	754.1	109.9	80.3	29.62	3.711	
5,400.0	5,263.2	5,408.7	5,290.1	23.1	21.5	157.16	-460.8	777.1	111.5	81.1	30.38	3.669	
5,500.0	5,359.3	5,508.7	5,386.5	23.7	22.1	157.00	-474.0	800.2	113.0	81.9	31.14	3.630	
5,600.0	5,455.3	5,608.7	5,482.9	24.3	22.6	156.84	-487.3	823.2	114.6	82.7	31.90	3.592	
5,700.0	5,551.4	5,708.7	5,579.3	24.9	23.2	156.69	-500.5	846.3	116.1	83.5	32.66	3.556	
5,800.0	5,647.4	5,808.7	5,675.7	25.5	23.8	156.55	-513.7	869.3	117.7	84.3	33.43	3.521	
5,900.0	5,743.5	5,908.7	5,772.1	26.1	24.3	156.41	-527.0	892.4	119.2	85.0	34.20	3.487	
6,000.0	5,839.5	6,008.6	5,868.5	26.7	24.9	156.27	-540.2	915.4	120.8	85.8	34.97	3.455	
6,100.0	5,935.6	6,108.6	5,964.9	27.3	25.5	156.13	-553.4	938.5	122.4	86.6	35.74	3.424	
6,200.0	6,031.6	6,208.6	6,061.3	27.9	26.0	156.00	-566.6	961.6	123.9	87.4	36.51	3.394	
6,300.0	6,127.7	6,308.6	6,157.6	28.5	26.6	155.87	-579.9	984.6	125.5	88.2	37.29	3.365	
6,400.0	6,223.7	6,408.6	6,254.0	29.1	27.2	155.75	-593.1	1,007.7	127.0	89.0	38.07	3.337	
6,500.0	6,319.8	6,507.1	6,349.6	29.7	27.6	155.46	-599.8	1,030.5	129.1	91.4	37.67	3.427	
6,529.4	6,348.0	6,535.6	6,377.2	29.9	27.7	160.32	-599.2	1,037.1	130.1	92.9	37.14	3.502	
6,550.0	6,367.8	6,555.4	6,396.5	30.0	27.8	167.13	-598.1	1,041.7	130.9	94.2	36.73	3.564	
6,600.0	6,416.1	6,603.0	6,442.5	30.2	27.9	-174.81	-593.3	1,052.7	133.3	97.4	35.83	3.719	
6,650.0	6,464.6	6,650.0	6,487.6	30.4	28.1	-155.93	-585.4	1,063.4	136.1	100.9	35.15	3.870	
6,700.0	6,512.9	6,696.8	6,531.9	30.6	28.2	-138.38	-574.7	1,074.0	139.2	104.5	34.68	4.013	
6,750.0	6,560.8	6,743.0	6,574.8	30.7	28.2	-123.60	-561.1	1,084.2	142.6	108.2	34.40	4.147	
6,800.0	6,608.2	6,788.8	6,616.5	30.8	28.3	-111.77	-544.9	1,094.1	146.3	112.0	34.24	4.271	
6,850.0	6,654.7	6,834.2	6,656.7	30.9	28.3	-102.40	-526.1	1,103.7	150.0	115.8	34.18	4.390	
6,900.0	6,700.2	6,879.2	6,695.4	31.0	28.4	-94.93	-505.0	1,112.9	153.9	119.7	34.14	4.507	
6,950.0	6,744.4	6,923.9	6,732.4	31.1	28.4	-88.89	-481.5	1,121.6	157.7	123.6	34.09	4.626	
7,000.0	6,787.1	6,968.3	6,767.8	31.1	28.4	-83.93	-456.0	1,130.0	161.5	127.5	34.00	4.749	
7,050.0	6,828.2	7,012.5	6,801.3	31.2	28.4	-79.82	-428.4	1,137.9	165.1	131.3	33.85	4.879	
7,100.0	6,867.3	7,056.3	6,832.9	31.2	28.3	-76.37	-398.9	1,145.4	168.6	135.0	33.62	5.016	
7,150.0	6,904.3	7,100.0	6,862.5	31.1	28.3	-73.47	-367.6	1,152.4	172.0	138.6	33.33	5.159	
7,200.0	6,939.1	7,143.4	6,890.1	31.1	28.3	-71.02	-334.8	1,158.9	175.0	142.1	32.98	5.307	
7,250.0	6,971.5	7,186.6	6,915.6	31.1	28.2	-68.96	-300.4	1,164.9	177.8	145.3	32.59	5.457	
7,300.0	7,001.2	7,229.7	6,939.0	31.0	28.2	-67.22	-264.7	1,170.4	180.4	148.2	32.19	5.604	
7,350.0	7,028.2	7,272.6	6,960.2	31.0	28.1	-65.78	-227.7	1,175.4	182.6	150.8	31.79	5.742	
7,400.0	7,052.4	7,315.4	6,979.1	30.9	28.1	-64.59	-189.5	1,179.8	184.4	153.0	31.44	5.865	
7,450.0	7,073.5	7,358.1	6,995.7	30.9	28.0	-63.65	-150.4	1,183.7	185.9	154.7	31.17	5.965	
7,500.0	7,091.6	7,400.0	7,009.8	30.8	27.9	-62.92	-111.1	1,186.9	187.0	156.1	30.99	6.035	
7,550.0	7,106.5	7,443.4	7,022.0	30.7	27.9	-62.40	-69.6	1,189.8	187.8	156.8	30.97	6.064	
7,600.0	7,118.1	7,486.0	7,031.6	30.7	27.8	-62.07	-28.1	1,191.9	188.2	157.1	31.10	6.051	
7,650.0	7,126.4	7,528.5	7,038.8	30.6	27.8	-61.93	13.8	1,193.5	188.2	156.8	31.39	5.994	
7,700.0	7,131.4	7,571.1	7,043.5	30.5	27.7	-61.97	56.1	1,194.6	187.8	155.9	31.86	5.893	
7,748.7	7,133.0	7,612.6	7,045.8	30.5	27.7	-62.19	97.5	1,195.0	187.0	154.5	32.48	5.758	
7,773.0	7,133.0	7,633.4	7,046.0	30.5	27.7	-62.24	118.3	1,195.0	186.8	154.1	32.68	5.716	
7,800.0	7,133.0	7,659.8	7,045.9	30.4	27.7	-62.20	144.7	1,194.9	186.9	154.0	32.88	5.683	
7,900.0	7,133.0	7,759.8	7,045.2	30.4	27.7	-62.04	244.7	1,194.5	187.1	153.3	33.80	5.537	
8,000.0	7,133.0	7,859.8	7,044.6	30.5	27.8	-61.87	344.7	1,194.1	187.4	152.4	35.00	5.355	
8,100.0	7,133.0	7,959.8	7,044.0	30.7	28.1	-61.71	444.7	1,193.7	187.7	151.2	36.48	5.145	
8,200.0	7,133.0	8,059.8	7,043.4	31.1	28.6	-61.54	544.7	1,193.3	188.0	149.8	38.21	4.920	
8,300.0	7,133.0	8,159.8	7,042.8	31.6	29.2	-61.38	644.7	1,192.9	188.3	148.1	40.16	4.689	
8,400.0	7,133.0	8,259.8	7,042.2	32.3	30.1	-61.22	744.7	1,192.5	188.6	146.3	42.28	4.460	
8,500.0	7,133.0	8,359.8	7,041.6	33.1	31.1	-61.05	844.7	1,192.1	188.9	144.3	44.56	4.239	
8,600.0	7,133.0	8,459.8	7,041.0	34.1	32.2	-60.89	944.7	1,191.7	189.2	142.2	46.97	4.028	
8,700.0	7,133.0	8,559.8	7,040.4	35.2	33.4	-60.73	1,044.7	1,191.3	189.5	140.0	49.48	3.829	
8,800.0	7,133.0	8,659.8	7,039.7	36.3	34.7	-60.57	1,144.7	1,190.9	189.8	137.7	52.09	3.644	

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		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	
8,900.0	7,133.0	8,759.8	7,039.1	37.6	36.1	-60.41	1,244.7	1,190.5	190.1	135.3	54.77	3.471	
9,000.0	7,133.0	8,859.8	7,038.5	39.0	37.6	-60.25	1,344.7	1,190.1	190.4	132.9	57.51	3.310	
9,100.0	7,133.0	8,959.8	7,037.9	40.4	39.0	-60.09	1,444.6	1,189.7	190.7	130.4	60.31	3.162	
9,200.0	7,133.0	9,059.8	7,037.3	41.8	40.6	-59.93	1,544.6	1,189.3	191.0	127.8	63.16	3.024	
9,300.0	7,133.0	9,159.8	7,036.7	43.3	42.1	-59.77	1,644.6	1,188.9	191.3	125.3	66.04	2.897	
9,400.0	7,133.0	9,259.8	7,036.1	44.9	43.7	-59.62	1,744.6	1,188.5	191.6	122.7	68.96	2.779	
9,500.0	7,133.0	9,359.8	7,035.5	46.5	45.3	-59.46	1,844.6	1,188.1	191.9	120.0	71.90	2.669	
9,600.0	7,133.0	9,459.8	7,034.9	48.0	47.0	-59.30	1,944.6	1,187.7	192.2	117.4	74.87	2.568	
9,700.0	7,133.0	9,559.8	7,034.3	49.7	48.6	-59.15	2,044.6	1,187.3	192.5	114.7	77.85	2.473	
9,800.0	7,133.0	9,659.8	7,033.6	51.3	50.3	-58.99	2,144.6	1,186.9	192.9	112.0	80.85	2.385	
9,900.0	7,133.0	9,759.8	7,033.0	53.0	52.0	-58.83	2,244.6	1,186.5	193.2	109.3	83.86	2.303	
10,000.0	7,133.0	9,859.8	7,032.4	54.7	53.7	-58.68	2,344.6	1,186.1	193.5	106.6	86.88	2.227	
10,100.0	7,133.0	9,959.8	7,031.8	56.3	55.5	-58.53	2,444.6	1,185.7	193.8	103.9	89.92	2.155	
10,200.0	7,133.0	10,059.8	7,031.2	58.1	57.2	-58.37	2,544.6	1,185.3	194.1	101.2	92.95	2.088	
10,300.0	7,133.0	10,159.8	7,030.6	59.8	58.9	-58.22	2,644.6	1,184.9	194.5	98.5	96.00	2.026	
10,400.0	7,133.0	10,259.8	7,030.0	61.5	60.7	-58.07	2,744.6	1,184.5	194.8	95.7	99.04	1.967	
10,500.0	7,133.0	10,359.8	7,029.4	63.3	62.5	-57.91	2,844.6	1,184.1	195.1	93.0	102.09	1.911	
10,600.0	7,133.0	10,459.8	7,028.8	65.0	64.2	-57.76	2,944.6	1,183.7	195.4	90.3	105.14	1.859	
10,700.0	7,133.0	10,559.8	7,028.1	66.8	66.0	-57.61	3,044.6	1,183.3	195.7	87.6	108.19	1.809	
10,800.0	7,133.0	10,659.8	7,027.5	68.6	67.8	-57.46	3,144.6	1,182.9	196.1	84.8	111.25	1.763	
10,900.0	7,133.0	10,759.8	7,026.9	70.3	69.6	-57.31	3,244.6	1,182.5	196.4	82.1	114.30	1.718	
11,000.0	7,133.0	10,859.8	7,026.3	72.1	71.4	-57.16	3,344.6	1,182.1	196.7	79.4	117.34	1.677	
11,100.0	7,133.0	10,959.8	7,025.7	73.9	73.2	-57.01	3,444.6	1,181.7	197.1	76.7	120.39	1.637	
11,200.0	7,133.0	11,059.8	7,025.1	75.7	75.0	-56.86	3,544.6	1,181.3	197.4	74.0	123.43	1.599	
11,300.0	7,133.0	11,159.8	7,024.5	77.5	76.9	-56.71	3,644.5	1,180.9	197.7	71.3	126.48	1.563	
11,400.0	7,133.0	11,259.7	7,023.9	79.3	78.7	-56.57	3,744.5	1,180.5	198.1	68.6	129.51	1.529	
11,500.0	7,133.0	11,359.7	7,023.3	81.1	80.5	-56.42	3,844.5	1,180.1	198.4	65.9	132.55	1.497 Level 3	
11,600.0	7,133.0	11,459.7	7,022.6	83.0	82.3	-56.27	3,944.5	1,179.7	198.7	63.2	135.57	1.466 Level 3	
11,700.0	7,133.0	11,559.7	7,022.0	84.8	84.2	-56.13	4,044.5	1,179.2	199.1	60.5	138.60	1.436 Level 3	
11,800.0	7,133.0	11,659.7	7,021.4	86.6	86.0	-55.98	4,144.5	1,178.8	199.4	57.8	141.62	1.408 Level 3	
11,815.7	7,133.0	11,675.5	7,021.3	86.9	86.3	-55.96	4,160.3	1,178.8	199.5	57.4	142.09	1.404 Level 3, SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix 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	59.72	7.6	13.1	15.2	15.2	0.00	N/A		
100.0	100.0	99.0	99.0	0.1	0.1	59.72	7.6	13.1	15.1	14.9	0.22	67.729		
200.0	200.0	199.0	199.0	0.3	0.3	59.72	7.6	13.1	15.1	14.5	0.67	22.539		
300.0	300.0	299.0	299.0	0.6	0.6	59.72	7.6	13.1	15.1	14.0	1.12	13.505		
400.0	400.0	399.0	399.0	0.8	0.8	59.72	7.6	13.1	15.1	13.6	1.57	9.641		
500.0	500.0	499.0	499.0	1.0	1.0	59.72	7.6	13.1	15.1	13.1	2.02	7.496		
600.0	600.0	599.0	599.0	1.2	1.2	59.72	7.6	13.1	15.1	12.7	2.47	6.132		
700.0	700.0	699.0	699.0	1.5	1.5	59.72	7.6	13.1	15.1	12.2	2.92	5.188		
800.0	800.0	799.0	799.0	1.7	1.7	59.72	7.6	13.1	15.1	11.8	3.37	4.496		
900.0	900.0	899.0	899.0	1.9	1.9	59.72	7.6	13.1	15.1	11.3	3.82	3.967		
1,000.0	1,000.0	999.0	999.0	2.1	2.1	59.72	7.6	13.1	15.1	10.9	4.27	3.549		
1,100.0	1,100.0	1,099.0	1,099.0	2.4	2.4	59.72	7.6	13.1	15.1	10.4	4.72	3.211		
1,200.0	1,200.0	1,199.0	1,199.0	2.6	2.6	59.72	7.6	13.1	15.1	10.0	5.17	2.931 CC, ES		
1,300.0	1,300.0	1,298.7	1,298.7	2.8	2.8	64.77	6.9	14.6	16.1	10.5	5.60	2.885		
1,400.0	1,400.0	1,398.1	1,398.0	3.0	3.0	76.59	4.6	19.2	19.8	13.8	6.01	3.289		
1,500.0	1,500.0	1,497.2	1,496.7	3.2	3.2	-31.40	0.8	26.9	25.5	19.1	6.41	3.976		
1,600.0	1,599.8	1,596.1	1,594.9	3.4	3.4	-25.37	-4.6	37.5	31.7	24.9	6.79	4.665		
1,700.0	1,699.5	1,694.8	1,692.3	3.6	3.7	-21.48	-11.4	51.2	38.1	30.9	7.17	5.308		
1,800.0	1,798.7	1,793.2	1,789.0	3.9	4.0	-18.84	-19.7	67.8	44.6	37.0	7.56	5.894		
1,900.0	1,897.5	1,891.4	1,884.7	4.1	4.3	-16.97	-29.5	87.4	51.1	43.2	7.96	6.421		
2,000.0	1,995.6	1,989.4	1,979.4	4.4	4.7	-15.62	-40.6	109.8	57.7	49.3	8.37	6.887		
2,100.0	2,093.1	2,087.5	2,073.4	4.7	5.1	-14.64	-53.3	135.0	64.1	55.3	8.80	7.290		
2,200.0	2,197.3	2,195.4	2,176.4	5.2	5.7	-14.34	-67.7	163.9	68.5	59.2	9.28	7.384		
2,300.0	2,285.7	2,287.4	2,264.2	5.6	6.2	-14.47	-79.9	188.5	70.6	60.8	9.76	7.226		
2,400.0	2,381.7	2,387.4	2,359.6	6.0	6.7	-14.61	-93.3	215.2	72.8	62.5	10.31	7.060		
2,500.0	2,477.8	2,487.4	2,455.0	6.5	7.3	-14.73	-106.6	241.9	75.0	64.2	10.87	6.901		
2,600.0	2,573.8	2,587.3	2,550.4	7.0	7.9	-14.85	-120.0	268.6	77.3	65.8	11.45	6.750		
2,700.0	2,669.9	2,687.3	2,645.8	7.5	8.5	-14.96	-133.3	295.3	79.5	67.5	12.03	6.607		
2,800.0	2,765.9	2,787.3	2,741.2	8.1	9.1	-15.07	-146.6	322.1	81.7	69.1	12.63	6.473		
2,900.0	2,862.0	2,887.3	2,836.6	8.6	9.7	-15.17	-160.0	348.8	84.0	70.7	13.23	6.346		
3,000.0	2,958.0	2,987.2	2,932.0	9.2	10.3	-15.27	-173.3	375.5	86.2	72.4	13.85	6.227		
3,100.0	3,054.1	3,087.2	3,027.5	9.7	10.9	-15.36	-186.7	402.2	88.5	74.0	14.47	6.115		
3,200.0	3,150.1	3,187.2	3,122.9	10.3	11.5	-15.44	-200.0	428.9	90.7	75.6	15.09	6.009		
3,300.0	3,246.2	3,287.2	3,218.3	10.8	12.1	-15.53	-213.3	455.7	92.9	77.2	15.72	5.910		
3,400.0	3,342.2	3,387.1	3,313.7	11.4	12.7	-15.60	-226.7	482.4	95.2	78.8	16.36	5.817		
3,500.0	3,438.3	3,487.1	3,409.1	12.0	13.3	-15.68	-240.0	509.1	97.4	80.4	17.00	5.729		
3,600.0	3,534.3	3,587.1	3,504.5	12.6	14.0	-15.75	-253.4	535.8	99.6	82.0	17.65	5.647		
3,700.0	3,630.4	3,687.1	3,599.9	13.1	14.6	-15.82	-266.7	562.5	101.9	83.6	18.29	5.569		
3,800.0	3,726.4	3,787.0	3,695.3	13.7	15.2	-15.88	-280.0	589.2	104.1	85.2	18.95	5.496		
3,900.0	3,822.5	3,887.0	3,790.7	14.3	15.9	-15.95	-293.4	616.0	106.4	86.8	19.60	5.426		
4,000.0	3,918.5	3,987.0	3,886.1	14.9	16.5	-16.00	-306.7	642.7	108.6	88.3	20.26	5.360		
4,100.0	4,014.6	4,087.0	3,981.6	15.5	17.1	-16.06	-320.1	669.4	110.8	89.9	20.92	5.298		
4,200.0	4,110.6	4,186.9	4,077.0	16.0	17.7	-16.12	-333.4	696.1	113.1	91.5	21.58	5.239		
4,300.0	4,206.7	4,286.9	4,172.4	16.6	18.4	-16.17	-346.7	722.8	115.3	93.1	22.25	5.183		
4,400.0	4,302.7	4,386.9	4,267.8	17.2	19.0	-16.22	-360.1	749.6	117.6	94.6	22.92	5.130		
4,500.0	4,398.8	4,486.9	4,363.2	17.8	19.6	-16.27	-373.4	776.3	119.8	96.2	23.58	5.080		
4,600.0	4,494.8	4,586.8	4,458.6	18.4	20.3	-16.32	-386.8	803.0	122.0	97.8	24.26	5.032		
4,700.0	4,590.9	4,686.8	4,554.0	19.0	20.9	-16.36	-400.1	829.7	124.3	99.4	24.93	4.986		
4,800.0	4,686.9	4,786.8	4,649.4	19.6	21.5	-16.41	-413.4	856.4	126.5	100.9	25.60	4.942		
4,900.0	4,783.0	4,886.8	4,744.8	20.2	22.2	-16.45	-426.8	883.1	128.8	102.5	26.28	4.900		
5,000.0	4,879.0	4,986.7	4,840.2	20.8	22.8	-16.49	-440.1	909.9	131.0	104.1	26.95	4.861		
5,100.0	4,975.1	5,086.7	4,935.7	21.3	23.5	-16.53	-453.5	936.6	133.2	105.6	27.63	4.822		

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 N-29HC
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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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design												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
5,200.0	5,071.1	5,186.7	5,031.1	21.9	24.1	-16.57	-466.8	963.3	135.5	107.2	28.31	4.786	
5,300.0	5,167.2	5,286.7	5,126.5	22.5	24.7	-16.61	-480.2	990.0	137.7	108.7	28.99	4.751	
5,400.0	5,263.2	5,386.6	5,221.9	23.1	25.4	-16.64	-493.5	1,016.7	140.0	110.3	29.67	4.718	
5,500.0	5,359.3	5,486.6	5,317.3	23.7	26.0	-16.68	-506.8	1,043.5	142.2	111.9	30.35	4.685	
5,600.0	5,455.3	5,586.6	5,412.7	24.3	26.6	-16.71	-520.2	1,070.2	144.4	113.4	31.03	4.655	
5,700.0	5,551.4	5,686.6	5,508.1	24.9	27.3	-16.74	-533.5	1,096.9	146.7	115.0	31.72	4.625	
5,800.0	5,647.4	5,786.5	5,603.5	25.5	27.9	-16.77	-546.9	1,123.6	148.9	116.5	32.40	4.596	
5,900.0	5,743.5	5,886.5	5,698.9	26.1	28.6	-16.80	-560.2	1,150.3	151.2	118.1	33.09	4.569	
6,000.0	5,839.5	5,986.5	5,794.4	26.7	29.2	-16.83	-573.5	1,177.1	153.4	119.6	33.77	4.543	
6,100.0	5,935.6	6,086.5	5,889.8	27.3	29.8	-16.86	-586.9	1,203.8	155.7	121.2	34.46	4.517	
6,200.0	6,031.6	6,186.4	5,985.2	27.9	30.5	-16.89	-600.2	1,230.5	157.9	122.7	35.14	4.493	
6,300.0	6,127.7	6,286.4	6,080.6	28.5	31.1	-16.92	-613.6	1,257.2	160.1	124.3	35.83	4.469	
6,400.0	6,223.7	6,386.4	6,176.0	29.1	31.8	-16.95	-626.9	1,283.9	162.4	125.9	36.52	4.446	
6,500.0	6,319.8	6,486.7	6,271.8	29.7	32.4	-16.99	-640.2	1,310.7	164.6	127.4	37.21	4.423	
6,529.4	6,348.0	6,517.3	6,301.0	29.9	32.5	-17.36	-643.3	1,318.9	165.1	127.6	37.53	4.399	
6,550.0	6,367.8	6,538.7	6,321.6	30.0	32.7	-12.50	-644.6	1,324.7	165.4	127.6	37.82	4.373	
6,600.0	6,416.1	6,590.4	6,371.4	30.2	32.9	0.94	-645.2	1,338.6	166.1	127.6	38.49	4.315	
6,650.0	6,464.6	6,641.9	6,420.9	30.4	33.1	15.39	-642.2	1,352.5	166.8	127.7	39.14	4.262	
6,700.0	6,512.9	6,693.2	6,469.9	30.6	33.3	28.67	-635.4	1,366.1	167.6	127.8	39.76	4.215	
6,750.0	6,560.8	6,744.2	6,518.0	30.7	33.4	39.39	-625.1	1,379.6	168.4	128.1	40.34	4.175	
6,800.0	6,608.2	6,795.1	6,565.1	30.8	33.5	47.40	-611.4	1,392.7	169.3	128.4	40.88	4.142	
6,850.0	6,654.7	6,845.7	6,611.0	30.9	33.6	53.16	-594.2	1,405.5	170.2	128.9	41.35	4.116	
6,900.0	6,700.2	6,896.1	6,655.4	31.0	33.7	57.24	-573.9	1,417.9	171.2	129.4	41.76	4.099	
6,950.0	6,744.4	6,946.2	6,698.1	31.1	33.8	60.12	-550.5	1,429.8	172.2	130.1	42.10	4.089	
7,000.0	6,787.1	6,996.2	6,739.0	31.1	33.8	62.12	-524.2	1,441.2	173.2	130.8	42.36	4.086	
7,050.0	6,828.2	7,045.9	6,777.8	31.2	33.8	63.49	-495.1	1,452.0	174.2	131.7	42.54	4.096	
7,100.0	6,867.3	7,095.4	6,814.4	31.2	33.9	64.40	-463.4	1,462.1	175.3	132.7	42.64	4.111	
7,150.0	6,904.3	7,144.6	6,848.7	31.1	33.8	64.96	-429.3	1,471.6	176.4	133.7	42.67	4.133	
7,200.0	6,939.1	7,193.7	6,880.6	31.1	33.8	65.26	-393.0	1,480.5	177.4	134.8	42.64	4.162	
7,250.0	6,971.5	7,242.6	6,909.8	31.1	33.8	65.36	-354.7	1,488.6	178.5	136.0	42.54	4.196	
7,300.0	7,001.2	7,291.3	6,936.4	31.0	33.7	65.32	-314.6	1,495.9	179.6	137.1	42.41	4.234	
7,350.0	7,028.2	7,339.8	6,960.2	31.0	33.7	65.16	-272.9	1,502.5	180.6	138.3	42.25	4.274	
7,400.0	7,052.4	7,388.1	6,981.2	30.9	33.6	64.91	-229.7	1,508.2	181.6	139.5	42.09	4.314	
7,450.0	7,073.5	7,436.3	6,999.3	30.9	33.6	64.60	-185.4	1,513.2	182.5	140.5	41.94	4.351	
7,500.0	7,091.6	7,484.3	7,014.4	30.8	33.5	64.24	-140.0	1,517.3	183.4	141.5	41.83	4.383	
7,550.0	7,106.5	7,532.2	7,026.5	30.7	33.5	63.85	-93.8	1,520.6	184.2	142.4	41.79	4.407	
7,600.0	7,118.1	7,579.9	7,035.6	30.7	33.4	63.43	-47.0	1,523.0	184.9	143.1	41.83	4.420	
7,650.0	7,126.4	7,627.6	7,041.6	30.6	33.3	62.99	0.2	1,524.6	185.5	143.6	41.97	4.421	
7,700.0	7,131.4	7,675.0	7,044.6	30.5	33.3	62.54	47.6	1,525.3	186.1	143.9	42.23	4.407	
7,748.7	7,133.0	7,722.2	7,044.9	30.5	33.2	62.15	94.7	1,525.3	186.5	143.9	42.62	4.376	
7,800.0	7,133.0	7,773.5	7,044.6	30.4	33.2	62.07	146.0	1,525.1	186.6	143.5	43.19	4.321	
7,900.0	7,133.0	7,873.5	7,044.0	30.4	33.1	61.90	246.0	1,524.7	186.9	142.5	44.43	4.207	
8,000.0	7,133.0	7,973.5	7,043.3	30.5	33.2	61.74	346.0	1,524.3	187.2	141.3	45.89	4.080	
8,100.0	7,133.0	8,073.5	7,042.7	30.7	33.3	61.57	446.0	1,523.9	187.5	140.0	47.55	3.943	
8,200.0	7,133.0	8,173.5	7,042.1	31.1	33.6	61.41	546.0	1,523.5	187.8	138.4	49.40	3.802	
8,300.0	7,133.0	8,273.5	7,041.5	31.6	34.0	61.25	646.0	1,523.1	188.1	136.7	51.40	3.659	
8,400.0	7,133.0	8,373.5	7,040.9	32.3	34.5	61.08	746.0	1,522.7	188.4	134.8	53.55	3.518	
8,500.0	7,133.0	8,473.5	7,040.3	33.1	35.2	60.92	846.0	1,522.3	188.7	132.9	55.82	3.380	
8,600.0	7,133.0	8,573.5	7,039.7	34.1	36.0	60.76	946.0	1,521.9	189.0	130.8	58.20	3.247	
8,700.0	7,133.0	8,673.5	7,039.1	35.2	37.0	60.60	1,046.0	1,521.5	189.3	128.6	60.67	3.120	
8,800.0	7,133.0	8,773.5	7,038.5	36.3	38.0	60.44	1,146.0	1,521.1	189.6	126.4	63.22	2.999	
8,900.0	7,133.0	8,873.5	7,037.9	37.6	39.2	60.28	1,246.0	1,520.7	189.9	124.0	65.84	2.884	

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix 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
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
9,000.0	7,133.0	8,973.5	7,037.2	39.0	40.5	60.12	1,346.0	1,520.3	190.2	121.7	68.52	2.776	
9,100.0	7,133.0	9,073.5	7,036.6	40.4	41.8	59.96	1,446.0	1,519.9	190.5	119.2	71.25	2.674	
9,200.0	7,133.0	9,173.5	7,036.0	41.8	43.2	59.80	1,546.0	1,519.5	190.8	116.8	74.03	2.577	
9,300.0	7,133.0	9,273.5	7,035.4	43.3	44.6	59.64	1,646.0	1,519.1	191.1	114.3	76.85	2.487	
9,400.0	7,133.0	9,373.5	7,034.8	44.9	46.1	59.48	1,746.0	1,518.7	191.4	111.7	79.70	2.402	
9,500.0	7,133.0	9,473.5	7,034.2	46.5	47.6	59.33	1,846.0	1,518.3	191.7	109.2	82.58	2.322	
9,600.0	7,133.0	9,573.5	7,033.6	48.0	49.1	59.17	1,946.0	1,517.9	192.0	106.6	85.49	2.246	
9,700.0	7,133.0	9,673.5	7,033.0	49.7	50.7	59.01	2,045.9	1,517.5	192.4	103.9	88.41	2.176	
9,800.0	7,133.0	9,773.5	7,032.4	51.3	52.3	58.86	2,145.9	1,517.1	192.7	101.3	91.36	2.109	
9,900.0	7,133.0	9,873.5	7,031.7	53.0	53.9	58.70	2,245.9	1,516.7	193.0	98.7	94.32	2.046	
10,000.0	7,133.0	9,973.5	7,031.1	54.7	55.6	58.55	2,345.9	1,516.3	193.3	96.0	97.30	1.987	
10,100.0	7,133.0	10,073.5	7,030.5	56.3	57.2	58.39	2,445.9	1,515.9	193.6	93.3	100.29	1.931	
10,200.0	7,133.0	10,173.5	7,029.9	58.1	58.9	58.24	2,545.9	1,515.5	193.9	90.7	103.28	1.878	
10,300.0	7,133.0	10,273.5	7,029.3	59.8	60.6	58.09	2,645.9	1,515.1	194.3	88.0	106.29	1.828	
10,400.0	7,133.0	10,373.5	7,028.7	61.5	62.3	57.93	2,745.9	1,514.7	194.6	85.3	109.30	1.780	
10,500.0	7,133.0	10,473.5	7,028.1	63.3	64.1	57.78	2,845.9	1,514.3	194.9	82.6	112.31	1.735	
10,600.0	7,133.0	10,573.5	7,027.5	65.0	65.8	57.63	2,945.9	1,513.9	195.2	79.9	115.33	1.693	
10,700.0	7,133.0	10,673.5	7,026.9	66.8	67.5	57.48	3,045.9	1,513.5	195.6	77.2	118.36	1.652	
10,800.0	7,133.0	10,773.5	7,026.2	68.6	69.3	57.33	3,145.9	1,513.1	195.9	74.5	121.38	1.614	
10,900.0	7,133.0	10,873.5	7,025.6	70.3	71.0	57.18	3,245.9	1,512.7	196.2	71.8	124.41	1.577	
11,000.0	7,133.0	10,973.4	7,025.0	72.1	72.8	57.03	3,345.9	1,512.3	196.6	69.1	127.43	1.542	
11,100.0	7,133.0	11,073.4	7,024.4	73.9	74.6	56.88	3,445.9	1,511.9	196.9	66.4	130.46	1.509	
11,200.0	7,133.0	11,173.4	7,023.8	75.7	76.4	56.73	3,545.9	1,511.5	197.2	63.7	133.48	1.478 Level 3	
11,300.0	7,133.0	11,273.4	7,023.2	77.5	78.2	56.58	3,645.9	1,511.0	197.6	61.1	136.51	1.447 Level 3	
11,400.0	7,133.0	11,373.4	7,022.6	79.3	80.0	56.43	3,745.9	1,510.6	197.9	58.4	139.53	1.418 Level 3	
11,500.0	7,133.0	11,473.4	7,022.0	81.1	81.8	56.29	3,845.9	1,510.2	198.2	55.7	142.55	1.391 Level 3	
11,600.0	7,133.0	11,573.4	7,021.4	83.0	83.6	56.14	3,945.9	1,509.8	198.6	53.0	145.56	1.364 Level 3	
11,700.0	7,133.0	11,673.4	7,020.7	84.8	85.4	55.99	4,045.9	1,509.4	198.9	50.3	148.58	1.339 Level 3	
11,800.0	7,133.0	11,773.4	7,020.1	86.6	87.2	55.85	4,145.9	1,509.0	199.3	47.7	151.58	1.315 Level 3, SF	
11,815.7	7,133.0	11,773.9	7,020.1	86.9	87.2	55.85	4,146.3	1,509.0	199.9	48.1	151.84	1.317 Level 3	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
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	59.40	15.3	25.9	30.1					
100.0	100.0	99.0	99.0	0.1	0.1	59.40	15.3	25.9	30.1	29.8	0.22	134.450		
200.0	200.0	199.0	199.0	0.3	0.3	59.40	15.3	25.9	30.1	29.4	0.67	44.742		
300.0	300.0	299.0	299.0	0.6	0.6	59.40	15.3	25.9	30.1	28.9	1.12	26.809		
400.0	400.0	399.0	399.0	0.8	0.8	59.40	15.3	25.9	30.1	28.5	1.57	19.139		
500.0	500.0	499.0	499.0	1.0	1.0	59.40	15.3	25.9	30.1	28.0	2.02	14.881		
600.0	600.0	599.0	599.0	1.2	1.2	59.40	15.3	25.9	30.1	27.6	2.47	12.173		
700.0	700.0	699.0	699.0	1.5	1.5	59.40	15.3	25.9	30.1	27.1	2.92	10.299		
800.0	800.0	799.0	799.0	1.7	1.7	59.40	15.3	25.9	30.1	26.7	3.37	8.925		
900.0	900.0	899.0	899.0	1.9	1.9	59.40	15.3	25.9	30.1	26.3	3.82	7.874		
1,000.0	1,000.0	999.0	999.0	2.1	2.1	59.40	15.3	25.9	30.1	25.8	4.27	7.045 CC, ES		
1,100.0	1,100.0	1,098.3	1,098.3	2.4	2.3	61.91	14.6	27.4	31.1	26.4	4.70	6.622		
1,200.0	1,200.0	1,197.5	1,197.3	2.6	2.5	68.53	12.6	32.1	34.6	29.5	5.12	6.760		
1,300.0	1,300.0	1,296.1	1,295.6	2.8	2.7	76.87	9.3	39.9	41.2	35.6	5.54	7.428		
1,400.0	1,400.0	1,394.0	1,392.8	3.0	3.0	84.70	4.7	50.8	51.4	45.4	5.98	8.590		
1,500.0	1,500.0	1,491.3	1,488.9	3.2	3.2	-27.48	-1.2	64.6	63.8	57.4	6.38	9.995		
1,600.0	1,599.8	1,588.2	1,584.0	3.4	3.5	-23.85	-8.3	81.2	76.7	69.9	6.78	11.310		
1,700.0	1,699.5	1,684.6	1,678.1	3.6	3.9	-21.46	-16.6	100.8	89.7	82.6	7.18	12.494		
1,800.0	1,798.7	1,780.6	1,771.0	3.9	4.3	-19.83	-26.1	123.1	102.9	95.3	7.60	13.543		
1,900.0	1,897.5	1,876.2	1,862.6	4.1	4.7	-18.72	-36.8	148.2	116.0	108.0	8.02	14.460		
2,000.0	1,995.6	1,971.3	1,952.8	4.4	5.2	-17.96	-48.6	175.9	129.1	120.7	8.46	15.256		
2,100.0	2,093.1	2,069.1	2,044.8	4.7	5.8	-17.51	-61.7	206.7	141.4	132.5	8.93	15.834		
2,200.0	2,197.3	2,176.7	2,145.8	5.2	6.5	-17.54	-76.1	240.6	151.2	141.7	9.47	15.968		
2,300.0	2,285.7	2,268.5	2,232.0	5.6	7.1	-17.79	-88.4	269.6	157.8	147.8	10.00	15.789		
2,400.0	2,381.7	2,368.2	2,325.7	6.0	7.8	-18.04	-101.8	301.0	165.1	154.5	10.59	15.587		
2,500.0	2,477.8	2,467.9	2,419.4	6.5	8.5	-18.27	-115.2	332.5	172.3	161.1	11.20	15.384		
2,600.0	2,573.8	2,567.7	2,513.0	7.0	9.2	-18.49	-128.6	364.0	179.6	167.8	11.83	15.182		
2,700.0	2,669.9	2,667.4	2,606.7	7.5	9.9	-18.68	-142.0	395.4	186.9	174.4	12.47	14.986		
2,800.0	2,765.9	2,767.1	2,700.4	8.1	10.6	-18.87	-155.4	426.9	194.1	181.0	13.12	14.796		
2,900.0	2,862.0	2,866.9	2,794.1	8.6	11.3	-19.03	-168.8	458.4	201.4	187.6	13.78	14.613		
3,000.0	2,958.0	2,966.6	2,887.8	9.2	12.0	-19.19	-182.2	489.9	208.6	194.2	14.45	14.438		
3,100.0	3,054.1	3,066.3	2,981.5	9.7	12.7	-19.34	-195.6	521.3	215.9	200.8	15.13	14.272		
3,200.0	3,150.1	3,166.1	3,075.2	10.3	13.4	-19.47	-209.0	552.8	223.2	207.4	15.81	14.114		
3,300.0	3,246.2	3,265.8	3,168.8	10.8	14.1	-19.60	-222.4	584.3	230.4	213.9	16.50	13.963		
3,400.0	3,342.2	3,365.5	3,262.5	11.4	14.9	-19.72	-235.8	615.7	237.7	220.5	17.20	13.821		
3,500.0	3,438.3	3,465.3	3,356.2	12.0	15.6	-19.83	-249.2	647.2	245.0	227.1	17.90	13.685		
3,600.0	3,534.3	3,565.0	3,449.9	12.6	16.3	-19.94	-262.6	678.7	252.2	233.6	18.61	13.557		
3,700.0	3,630.4	3,664.7	3,543.6	13.1	17.0	-20.04	-276.0	710.2	259.5	240.2	19.32	13.435		
3,800.0	3,726.4	3,764.5	3,637.3	13.7	17.7	-20.14	-289.4	741.6	266.8	246.8	20.03	13.320		
3,900.0	3,822.5	3,864.2	3,731.0	14.3	18.5	-20.23	-302.8	773.1	274.1	253.3	20.75	13.210		
4,000.0	3,918.5	3,963.9	3,824.6	14.9	19.2	-20.31	-316.2	804.6	281.3	259.9	21.46	13.106		
4,100.0	4,014.6	4,063.7	3,918.3	15.5	19.9	-20.39	-329.6	836.1	288.6	266.4	22.19	13.007		
4,200.0	4,110.6	4,163.4	4,012.0	16.0	20.7	-20.47	-343.0	867.5	295.9	273.0	22.91	12.913		
4,300.0	4,206.7	4,263.1	4,105.7	16.6	21.4	-20.54	-356.4	899.0	303.1	279.5	23.64	12.824		
4,400.0	4,302.7	4,362.9	4,199.4	17.2	22.1	-20.61	-369.8	930.5	310.4	286.1	24.37	12.738		
4,500.0	4,398.8	4,462.6	4,293.1	17.8	22.8	-20.68	-383.2	961.9	317.7	292.6	25.10	12.657		
4,600.0	4,494.8	4,562.3	4,386.8	18.4	23.6	-20.74	-396.6	993.4	325.0	299.1	25.83	12.579		
4,700.0	4,590.9	4,662.1	4,480.4	19.0	24.3	-20.81	-410.0	1,024.9	332.2	305.7	26.57	12.505		
4,800.0	4,686.9	4,761.8	4,574.1	19.6	25.0	-20.86	-423.3	1,056.4	339.5	312.2	27.31	12.434		
4,900.0	4,783.0	4,861.5	4,667.8	20.2	25.8	-20.92	-436.7	1,087.8	346.8	318.8	28.04	12.367		
5,000.0	4,879.0	4,961.3	4,761.5	20.8	26.5	-20.97	-450.1	1,119.3	354.1	325.3	28.78	12.302		
5,100.0	4,975.1	5,061.0	4,855.2	21.3	27.2	-21.03	-463.5	1,150.8	361.4	331.8	29.52	12.240		

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design												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	
5,200.0	5,071.1	5,160.8	4,948.9	21.9	28.0	-21.07	-476.9	1,182.2	368.6	338.4	30.27	12.180	
5,300.0	5,167.2	5,260.5	5,042.6	22.5	28.7	-21.12	-490.3	1,213.7	375.9	344.9	31.01	12.123	
5,400.0	5,263.2	5,360.2	5,136.2	23.1	29.4	-21.17	-503.7	1,245.2	383.2	351.4	31.75	12.068	
5,500.0	5,359.3	5,460.0	5,229.9	23.7	30.2	-21.21	-517.1	1,276.7	390.5	358.0	32.50	12.015	
5,600.0	5,455.3	5,559.7	5,323.6	24.3	30.9	-21.25	-530.5	1,308.1	397.7	364.5	33.24	11.965	
5,700.0	5,551.4	5,659.4	5,417.3	24.9	31.6	-21.30	-543.9	1,339.6	405.0	371.0	33.99	11.916	
5,800.0	5,647.4	5,759.2	5,511.0	25.5	32.4	-21.33	-557.3	1,371.1	412.3	377.6	34.74	11.869	
5,900.0	5,743.5	5,858.9	5,604.7	26.1	33.1	-21.37	-570.7	1,402.5	419.6	384.1	35.49	11.824	
6,000.0	5,839.5	5,958.6	5,698.4	26.7	33.8	-21.41	-584.1	1,434.0	426.9	390.6	36.23	11.781	
6,100.0	5,935.6	6,058.4	5,792.0	27.3	34.6	-21.44	-597.5	1,465.5	434.1	397.2	36.98	11.739	
6,200.0	6,031.6	6,158.1	5,885.7	27.9	35.3	-21.48	-610.9	1,497.0	441.4	403.7	37.73	11.698	
6,300.0	6,127.7	6,257.8	5,979.4	28.5	36.0	-21.51	-624.3	1,528.4	448.7	410.2	38.49	11.659	
6,400.0	6,223.7	6,357.6	6,073.1	29.1	36.8	-21.54	-637.7	1,559.9	456.0	416.7	39.24	11.621	
6,500.0	6,319.8	6,457.3	6,166.8	29.7	37.5	-21.58	-651.1	1,591.4	463.3	423.3	39.99	11.585	
6,529.4	6,348.0	6,486.6	6,194.3	29.9	37.7	-21.58	-655.0	1,600.6	465.4	425.2	40.21	11.574	
6,550.0	6,367.8	6,508.4	6,214.9	30.0	37.9	-16.42	-657.6	1,607.5	466.9	426.5	40.41	11.554	
6,600.0	6,416.1	6,561.4	6,264.9	30.2	38.2	-2.22	-661.1	1,624.3	470.5	429.7	40.85	11.519	
6,650.0	6,464.6	6,614.3	6,315.0	30.4	38.4	12.97	-660.8	1,641.1	474.2	432.9	41.25	11.495	
6,700.0	6,512.9	6,667.1	6,365.0	30.6	38.7	27.01	-656.5	1,657.9	477.8	436.2	41.61	11.482	
6,750.0	6,560.8	6,720.0	6,414.5	30.7	38.9	38.50	-648.3	1,674.4	481.4	439.4	41.93	11.480	
6,800.0	6,608.2	6,772.7	6,463.2	30.8	39.1	47.25	-636.4	1,690.7	484.9	442.7	42.20	11.489	
6,850.0	6,654.7	6,825.5	6,511.0	30.9	39.3	53.75	-620.7	1,706.7	488.3	445.9	42.43	11.509	
6,900.0	6,700.2	6,878.1	6,557.4	31.0	39.4	58.56	-601.4	1,722.1	491.6	449.0	42.61	11.539	
6,950.0	6,744.4	6,930.6	6,602.3	31.1	39.5	62.14	-578.5	1,737.1	494.9	452.1	42.75	11.577	
7,000.0	6,787.1	6,983.1	6,645.4	31.1	39.6	64.83	-552.4	1,751.4	498.0	455.1	42.84	11.623	
7,050.0	6,828.2	7,035.4	6,686.5	31.2	39.7	66.87	-523.0	1,765.1	501.0	458.1	42.91	11.676	
7,100.0	6,867.3	7,087.6	6,725.4	31.2	39.8	68.41	-490.7	1,778.0	503.8	460.9	42.94	11.733	
7,150.0	6,904.3	7,139.6	6,761.8	31.1	39.8	69.58	-455.5	1,790.1	506.5	463.5	42.95	11.793	
7,200.0	6,939.1	7,191.6	6,795.6	31.1	39.8	70.46	-417.8	1,801.2	509.0	466.0	42.94	11.853	
7,250.0	6,971.5	7,243.3	6,826.7	31.1	39.8	71.10	-377.7	1,811.5	511.3	468.4	42.93	11.911	
7,300.0	7,001.2	7,294.9	6,854.8	31.0	39.8	71.57	-335.5	1,820.7	513.4	470.5	42.92	11.963	
7,350.0	7,028.2	7,346.3	6,880.0	31.0	39.8	71.88	-291.4	1,829.0	515.4	472.4	42.93	12.006	
7,400.0	7,052.4	7,397.5	6,902.0	30.9	39.8	72.07	-245.7	1,836.2	517.1	474.1	42.96	12.036	
7,450.0	7,073.5	7,448.6	6,920.8	30.9	39.7	72.16	-198.7	1,842.3	518.6	475.6	43.03	12.051	
7,500.0	7,091.6	7,499.4	6,936.3	30.8	39.7	72.16	-150.5	1,847.2	519.9	476.7	43.15	12.047	
7,550.0	7,106.5	7,550.1	6,948.5	30.7	39.6	72.09	-101.5	1,851.1	520.9	477.6	43.33	12.021	
7,600.0	7,118.1	7,600.6	6,957.3	30.7	39.6	71.96	-51.9	1,853.9	521.8	478.2	43.58	11.972	
7,650.0	7,126.4	7,650.9	6,962.8	30.6	39.5	71.77	-2.0	1,855.5	522.4	478.4	43.91	11.897	
7,700.0	7,131.4	7,700.9	6,965.0	30.5	39.5	71.53	48.1	1,856.0	522.7	478.4	44.31	11.796	
7,748.7	7,133.0	7,749.6	6,964.8	30.5	39.4	71.35	96.7	1,855.8	522.8	478.0	44.78	11.676	
7,800.0	7,133.0	7,800.9	6,964.6	30.4	39.3	71.32	148.0	1,855.5	522.8	477.5	45.32	11.535	
7,900.0	7,133.0	7,900.9	6,964.1	30.4	39.3	71.26	248.0	1,854.9	522.8	476.2	46.53	11.236	
8,000.0	7,133.0	8,000.9	6,963.6	30.5	39.3	71.21	348.0	1,854.3	522.8	474.8	47.99	10.894	
8,100.0	7,133.0	8,100.9	6,963.1	30.7	39.4	71.15	448.0	1,853.7	522.7	473.1	49.67	10.524	
8,200.0	7,133.0	8,200.9	6,962.6	31.1	39.5	71.09	548.0	1,853.1	522.7	471.1	51.56	10.137	
8,300.0	7,133.0	8,300.9	6,962.1	31.6	39.8	71.03	648.0	1,852.5	522.7	469.0	53.64	9.744	
8,400.0	7,133.0	8,400.9	6,961.6	32.3	40.1	70.98	748.0	1,851.9	522.7	466.8	55.88	9.353	
8,500.0	7,133.0	8,500.9	6,961.1	33.1	40.5	70.92	848.0	1,851.3	522.6	464.4	58.27	8.970	
8,600.0	7,133.0	8,600.9	6,960.7	34.1	41.1	70.86	948.0	1,850.7	522.6	461.8	60.78	8.599	
8,700.0	7,133.0	8,700.9	6,960.2	35.2	41.7	70.80	1,048.0	1,850.1	522.6	459.2	63.40	8.243	
8,800.0	7,133.0	8,800.9	6,959.7	36.3	42.5	70.75	1,148.0	1,849.5	522.6	456.5	66.12	7.903	
8,900.0	7,133.0	8,900.9	6,959.2	37.6	43.4	70.69	1,248.0	1,848.9	522.6	453.6	68.93	7.581	

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		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	
9,000.0	7,133.0	9,000.9	6,958.7	39.0	44.4	70.63	1,348.0	1,848.3	522.5	450.7	71.81	7.277	
9,100.0	7,133.0	9,100.9	6,958.2	40.4	45.4	70.57	1,448.0	1,847.7	522.5	447.8	74.75	6.990	
9,200.0	7,133.0	9,200.9	6,957.7	41.8	46.6	70.52	1,548.0	1,847.1	522.5	444.7	77.76	6.720	
9,300.0	7,133.0	9,300.9	6,957.2	43.3	47.8	70.46	1,648.0	1,846.6	522.5	441.7	80.81	6.465	
9,400.0	7,133.0	9,400.9	6,956.7	44.9	49.1	70.40	1,748.0	1,846.0	522.5	438.5	83.92	6.226	
9,500.0	7,133.0	9,500.9	6,956.3	46.5	50.4	70.34	1,848.0	1,845.4	522.4	435.4	87.06	6.001	
9,600.0	7,133.0	9,600.9	6,955.8	48.0	51.9	70.29	1,947.9	1,844.8	522.4	432.2	90.24	5.790	
9,700.0	7,133.0	9,700.9	6,955.3	49.7	53.3	70.23	2,047.9	1,844.2	522.4	429.0	93.45	5.590	
9,800.0	7,133.0	9,800.9	6,954.8	51.3	54.8	70.17	2,147.9	1,843.6	522.4	425.7	96.69	5.403	
9,900.0	7,133.0	9,900.9	6,954.3	53.0	56.3	70.11	2,247.9	1,843.0	522.4	422.4	99.95	5.226	
10,000.0	7,133.0	10,000.9	6,953.8	54.7	57.8	70.06	2,347.9	1,842.4	522.4	419.1	103.24	5.060	
10,100.0	7,133.0	10,100.9	6,953.3	56.3	59.4	70.00	2,447.9	1,841.8	522.4	415.8	106.55	4.903	
10,200.0	7,133.0	10,200.9	6,952.8	58.1	61.0	69.94	2,547.9	1,841.2	522.3	412.5	109.87	4.754	
10,300.0	7,133.0	10,300.9	6,952.3	59.8	62.6	69.88	2,647.9	1,840.6	522.3	409.1	113.22	4.614	
10,400.0	7,133.0	10,400.9	6,951.9	61.5	64.3	69.83	2,747.9	1,840.0	522.3	405.7	116.58	4.481	
10,500.0	7,133.0	10,500.9	6,951.4	63.3	65.9	69.77	2,847.9	1,839.4	522.3	402.4	119.95	4.355	
10,600.0	7,133.0	10,600.8	6,950.9	65.0	67.6	69.71	2,947.9	1,838.8	522.3	399.0	123.33	4.235	
10,700.0	7,133.0	10,700.8	6,950.4	66.8	69.3	69.65	3,047.9	1,838.2	522.3	395.6	126.73	4.121	
10,800.0	7,133.0	10,800.8	6,949.9	68.6	71.0	69.60	3,147.9	1,837.7	522.3	392.1	130.13	4.014	
10,900.0	7,133.0	10,900.8	6,949.4	70.3	72.7	69.54	3,247.9	1,837.1	522.3	388.7	133.54	3.911	
11,000.0	7,133.0	11,000.8	6,948.9	72.1	74.4	69.48	3,347.9	1,836.5	522.3	385.3	136.96	3.813	
11,100.0	7,133.0	11,100.8	6,948.4	73.9	76.2	69.42	3,447.9	1,835.9	522.3	381.9	140.39	3.720	
11,200.0	7,133.0	11,200.8	6,948.0	75.7	77.9	69.36	3,547.9	1,835.3	522.2	378.4	143.83	3.631	
11,300.0	7,133.0	11,300.8	6,947.5	77.5	79.7	69.31	3,647.9	1,834.7	522.2	375.0	147.27	3.546	
11,400.0	7,133.0	11,400.8	6,947.0	79.3	81.4	69.25	3,747.9	1,834.1	522.2	371.5	150.72	3.465	
11,500.0	7,133.0	11,500.8	6,946.5	81.1	83.2	69.19	3,847.9	1,833.5	522.2	368.1	154.17	3.387	
11,600.0	7,133.0	11,600.8	6,946.0	83.0	85.0	69.13	3,947.9	1,832.9	522.2	364.6	157.62	3.313	
11,700.0	7,133.0	11,700.8	6,945.5	84.8	86.7	69.08	4,047.9	1,832.3	522.2	361.1	161.08	3.242	
11,760.2	7,133.0	11,761.1	6,945.2	85.9	87.8	69.04	4,108.1	1,832.0	522.2	359.0	163.17	3.200	
11,800.0	7,133.0	11,775.1	6,945.1	86.6	88.1	69.03	4,122.2	1,831.9	522.8	358.7	164.11	3.186 SF	
11,815.7	7,133.0	11,775.1	6,945.1	86.9	88.1	69.03	4,122.2	1,831.9	523.8	359.5	164.39	3.187	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
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	59.33	22.9	38.7	45.0					
100.0	100.0	99.0	99.0	0.1	0.1	59.33	22.9	38.7	45.0	44.8	0.22	201.098		
200.0	200.0	199.0	199.0	0.3	0.3	59.33	22.9	38.7	45.0	44.3	0.67	66.921		
300.0	300.0	299.0	299.0	0.6	0.6	59.33	22.9	38.7	45.0	43.9	1.12	40.099		
400.0	400.0	399.0	399.0	0.8	0.8	59.33	22.9	38.7	45.0	43.4	1.57	28.626		
500.0	500.0	499.0	499.0	1.0	1.0	59.33	22.9	38.7	45.0	43.0	2.02	22.257		
600.0	600.0	599.0	599.0	1.2	1.2	59.33	22.9	38.7	45.0	42.5	2.47	18.207		
700.0	700.0	699.0	699.0	1.5	1.5	59.33	22.9	38.7	45.0	42.1	2.92	15.404		
800.0	800.0	799.0	799.0	1.7	1.7	59.33	22.9	38.7	45.0	41.6	3.37	13.349 CC, ES		
900.0	900.0	898.0	898.0	1.9	1.9	60.97	22.3	40.2	46.0	42.2	3.80	12.121		
1,000.0	1,000.0	996.8	996.6	2.1	2.1	65.48	20.5	45.0	49.5	45.3	4.22	11.736 SF		
1,100.0	1,100.0	1,095.1	1,094.5	2.4	2.3	71.67	17.5	52.9	55.9	51.2	4.65	12.021		
1,200.0	1,200.0	1,192.7	1,191.4	2.6	2.5	78.19	13.3	63.8	65.6	60.5	5.09	12.892		
1,300.0	1,300.0	1,289.4	1,287.0	2.8	2.8	84.09	8.0	77.6	79.0	73.4	5.55	14.233		
1,400.0	1,400.0	1,384.9	1,380.9	3.0	3.1	88.98	1.7	94.3	96.0	90.0	6.03	15.908		
1,500.0	1,500.0	1,479.6	1,473.2	3.2	3.5	-25.23	-5.7	113.6	115.1	108.7	6.41	17.953		
1,600.0	1,599.8	1,573.7	1,564.3	3.4	3.9	-22.75	-14.2	135.7	134.5	127.6	6.82	19.705		
1,700.0	1,699.5	1,667.1	1,653.9	3.6	4.3	-21.05	-23.6	160.3	153.9	146.7	7.25	21.239		
1,800.0	1,798.7	1,760.0	1,742.1	3.9	4.9	-19.85	-34.0	187.5	173.4	165.7	7.68	22.559		
1,900.0	1,897.5	1,852.3	1,828.8	4.1	5.4	-19.02	-45.4	217.2	192.7	184.6	8.13	23.703		
2,000.0	1,995.6	1,946.0	1,915.7	4.4	6.1	-18.44	-57.8	249.8	211.8	203.2	8.60	24.617		
2,100.0	2,093.1	2,044.6	2,006.9	4.7	6.8	-18.17	-71.2	284.8	228.4	219.3	9.11	25.081		
2,200.0	2,197.3	2,151.6	2,105.9	5.2	7.6	-18.22	-85.8	322.9	242.7	233.0	9.68	25.068		
2,300.0	2,285.7	2,243.0	2,190.4	5.6	8.3	-18.45	-98.2	355.3	253.3	243.0	10.24	24.732		
2,400.0	2,381.7	2,342.4	2,282.3	6.0	9.1	-18.68	-111.7	390.6	264.7	253.8	10.86	24.367		
2,500.0	2,477.8	2,441.7	2,374.2	6.5	9.9	-18.89	-125.2	425.9	276.2	264.7	11.50	24.008		
2,600.0	2,573.8	2,541.0	2,466.0	7.0	10.7	-19.08	-138.7	461.2	287.6	275.5	12.16	23.659		
2,700.0	2,669.9	2,640.4	2,557.9	7.5	11.5	-19.26	-152.2	496.5	299.1	286.3	12.82	23.325		
2,800.0	2,765.9	2,739.7	2,649.8	8.1	12.3	-19.42	-165.7	531.8	310.5	297.1	13.50	23.005		
2,900.0	2,862.0	2,839.0	2,741.6	8.6	13.0	-19.58	-179.2	567.1	322.0	307.8	14.18	22.702		
3,000.0	2,958.0	2,938.4	2,833.5	9.2	13.8	-19.72	-192.7	602.4	333.5	318.6	14.88	22.414		
3,100.0	3,054.1	3,037.7	2,925.4	9.7	14.7	-19.85	-206.2	637.7	345.0	329.4	15.58	22.141		
3,200.0	3,150.1	3,137.0	3,017.2	10.3	15.5	-19.98	-219.7	673.0	356.4	340.1	16.29	21.883		
3,300.0	3,246.2	3,236.4	3,109.1	10.8	16.3	-20.09	-233.3	708.3	367.9	350.9	17.00	21.640		
3,400.0	3,342.2	3,335.7	3,201.0	11.4	17.1	-20.20	-246.8	743.5	379.4	361.7	17.72	21.410		
3,500.0	3,438.3	3,435.1	3,292.8	12.0	17.9	-20.31	-260.3	778.8	390.9	372.4	18.44	21.193		
3,600.0	3,534.3	3,534.4	3,384.7	12.6	18.7	-20.40	-273.8	814.1	402.3	383.2	19.17	20.987		
3,700.0	3,630.4	3,633.7	3,476.6	13.1	19.5	-20.50	-287.3	849.4	413.8	393.9	19.90	20.793		
3,800.0	3,726.4	3,733.1	3,568.5	13.7	20.3	-20.58	-300.8	884.7	425.3	404.7	20.64	20.609		
3,900.0	3,822.5	3,832.4	3,660.3	14.3	21.1	-20.67	-314.3	920.0	436.8	415.4	21.37	20.435		
4,000.0	3,918.5	3,931.7	3,752.2	14.9	21.9	-20.74	-327.8	955.3	448.3	426.1	22.11	20.270		
4,100.0	4,014.6	4,031.1	3,844.1	15.5	22.7	-20.82	-341.3	990.6	459.7	436.9	22.86	20.114		
4,200.0	4,110.6	4,130.4	3,935.9	16.0	23.6	-20.89	-354.8	1,025.9	471.2	447.6	23.60	19.965		
4,300.0	4,206.7	4,229.8	4,027.8	16.6	24.4	-20.96	-368.3	1,061.2	482.7	458.4	24.35	19.824		
4,400.0	4,302.7	4,329.1	4,119.7	17.2	25.2	-21.02	-381.8	1,096.5	494.2	469.1	25.10	19.689		
4,500.0	4,398.8	4,428.4	4,211.5	17.8	26.0	-21.08	-395.3	1,131.8	505.7	479.8	25.85	19.561		
4,600.0	4,494.8	4,527.8	4,303.4	18.4	26.8	-21.14	-408.8	1,167.1	517.2	490.6	26.60	19.439		
4,700.0	4,590.9	4,627.1	4,395.3	19.0	27.6	-21.20	-422.3	1,202.3	528.7	501.3	27.36	19.323		
4,800.0	4,686.9	4,726.4	4,487.1	19.6	28.4	-21.25	-435.8	1,237.6	540.1	512.0	28.12	19.212		
4,900.0	4,783.0	4,825.8	4,579.0	20.2	29.2	-21.30	-449.3	1,272.9	551.6	522.8	28.87	19.106		
5,000.0	4,879.0	4,925.1	4,670.9	20.8	30.1	-21.35	-462.8	1,308.2	563.1	533.5	29.63	19.004		
5,100.0	4,975.1	5,024.4	4,762.7	21.3	30.9	-21.40	-476.3	1,343.5	574.6	544.2	30.39	18.907		

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		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
5,200.0	5,071.1	5,123.8	4,854.6	21.9	31.7	-21.44	-489.8	1,378.8	586.1	555.0	31.15	18.814	
5,300.0	5,167.2	5,223.1	4,946.5	22.5	32.5	-21.49	-503.3	1,414.1	597.6	565.7	31.92	18.724	
5,400.0	5,263.2	5,322.5	5,038.4	23.1	33.3	-21.53	-516.8	1,449.4	609.1	576.4	32.68	18.639	
5,500.0	5,359.3	5,421.8	5,130.2	23.7	34.1	-21.57	-530.3	1,484.7	620.6	587.1	33.44	18.556	
5,600.0	5,455.3	5,521.1	5,222.1	24.3	35.0	-21.61	-543.8	1,520.0	632.1	597.9	34.21	18.477	
5,700.0	5,551.4	5,620.5	5,314.0	24.9	35.8	-21.65	-557.3	1,555.3	643.6	608.6	34.97	18.401	
5,800.0	5,647.4	5,719.8	5,405.8	25.5	36.6	-21.68	-570.8	1,590.6	655.0	619.3	35.74	18.328	
5,900.0	5,743.5	5,819.1	5,497.7	26.1	37.4	-21.72	-584.3	1,625.9	666.5	630.0	36.51	18.258	
6,000.0	5,839.5	5,918.5	5,589.6	26.7	38.2	-21.75	-597.9	1,661.2	678.0	640.8	37.27	18.190	
6,100.0	5,935.6	6,017.8	5,681.4	27.3	39.0	-21.79	-611.4	1,696.4	689.5	651.5	38.04	18.125	
6,200.0	6,031.6	6,117.2	5,773.3	27.9	39.9	-21.82	-624.9	1,731.7	701.0	662.2	38.81	18.062	
6,300.0	6,127.7	6,216.5	5,865.2	28.5	40.7	-21.85	-638.4	1,767.0	712.5	672.9	39.58	18.001	
6,400.0	6,223.7	6,315.8	5,957.0	29.1	41.5	-21.88	-651.9	1,802.3	724.0	683.6	40.35	17.942	
6,500.0	6,319.8	6,415.2	6,048.9	29.7	42.3	-21.91	-665.4	1,837.6	735.5	694.4	41.12	17.885	
6,529.4	6,348.0	6,444.3	6,075.9	29.9	42.5	-21.92	-669.3	1,848.0	738.9	697.5	41.35	17.869	
6,550.0	6,367.8	6,464.8	6,094.8	30.0	42.7	-16.79	-672.1	1,855.3	741.3	699.7	41.58	17.826	
6,600.0	6,416.1	6,514.4	6,140.7	30.2	43.1	-2.52	-678.9	1,872.9	747.3	705.3	42.04	17.774	
6,650.0	6,464.6	6,563.5	6,186.1	30.4	43.5	13.01	-685.5	1,890.3	753.7	711.3	42.37	17.788	
6,700.0	6,512.9	6,615.5	6,234.2	30.6	43.9	27.63	-691.9	1,908.8	760.3	717.8	42.56	17.866	
6,750.0	6,560.8	6,670.3	6,285.4	30.7	44.3	39.73	-694.9	1,928.4	767.1	724.4	42.69	17.970	
6,800.0	6,608.2	6,726.2	6,337.5	30.8	44.6	49.09	-693.6	1,948.4	773.8	731.0	42.79	18.086	
6,850.0	6,654.7	6,782.9	6,390.2	30.9	44.9	56.18	-687.8	1,968.6	780.5	737.7	42.86	18.211	
6,900.0	6,700.2	6,840.6	6,443.1	31.0	45.2	61.56	-677.3	1,988.9	787.1	744.2	42.91	18.343	
6,950.0	6,744.4	6,899.2	6,496.0	31.1	45.5	65.69	-662.1	2,009.2	793.6	750.6	42.94	18.480	
7,000.0	6,787.1	6,958.7	6,548.2	31.1	45.7	68.90	-642.0	2,029.2	799.8	756.9	42.96	18.619	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design													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	59.42	30.6	51.8	60.1					
100.0	100.0	99.0	99.0	0.1	0.1	59.42	30.6	51.8	60.1	59.9	0.22	268.863		
200.0	200.0	199.0	199.0	0.3	0.3	59.42	30.6	51.8	60.1	59.5	0.67	89.472		
300.0	300.0	299.0	299.0	0.6	0.6	59.42	30.6	51.8	60.1	59.0	1.12	53.611		
400.0	400.0	399.0	399.0	0.8	0.8	59.42	30.6	51.8	60.1	58.6	1.57	38.272		
500.0	500.0	499.0	499.0	1.0	1.0	59.42	30.6	51.8	60.1	58.1	2.02	29.758		
600.0	600.0	599.0	599.0	1.2	1.2	59.42	30.6	51.8	60.1	57.7	2.47	24.342 CC, ES		
700.0	700.0	697.7	697.6	1.5	1.4	60.62	30.0	53.3	61.2	58.3	2.90	21.111		
800.0	800.0	796.1	795.9	1.7	1.6	64.00	28.3	58.1	64.7	61.4	3.32	19.468		
900.0	900.0	894.0	893.5	1.9	1.9	68.87	25.5	65.9	70.9	67.2	3.76	18.884 SF		
1,000.0	1,000.0	991.3	990.1	2.1	2.1	74.33	21.6	76.9	80.3	76.1	4.20	19.126		
1,100.0	1,100.0	1,087.6	1,085.3	2.4	2.4	79.64	16.6	90.7	93.2	88.6	4.66	19.993		
1,200.0	1,200.0	1,182.9	1,178.9	2.6	2.7	84.37	10.6	107.4	109.8	104.6	5.15	21.294		
1,300.0	1,300.0	1,276.9	1,270.6	2.8	3.1	88.35	3.6	126.7	129.9	124.2	5.68	22.860		
1,400.0	1,400.0	1,369.4	1,360.2	3.0	3.5	91.61	-4.2	148.4	153.4	147.2	6.25	24.560		
1,500.0	1,500.0	1,460.8	1,447.9	3.2	4.0	-23.67	-12.9	172.5	178.9	172.4	6.50	27.537		
1,600.0	1,599.8	1,551.4	1,534.0	3.4	4.5	-21.81	-22.4	199.1	204.4	197.5	6.93	29.512		
1,700.0	1,699.5	1,641.3	1,618.6	3.6	5.1	-20.47	-32.8	227.9	229.9	222.5	7.37	31.209		
1,800.0	1,798.7	1,730.6	1,701.5	3.9	5.7	-19.50	-44.0	259.0	255.2	247.4	7.82	32.630		
1,900.0	1,897.5	1,820.3	1,783.8	4.1	6.4	-18.79	-56.1	292.6	280.3	272.0	8.29	33.801		
2,000.0	1,995.6	1,917.6	1,872.6	4.4	7.2	-18.32	-69.6	330.1	303.4	294.5	8.81	34.446		
2,100.0	2,093.1	2,015.7	1,962.0	4.7	8.0	-18.11	-83.1	367.8	323.2	313.8	9.34	34.599		
2,200.0	2,197.3	2,122.2	2,059.2	5.2	8.9	-18.14	-97.9	408.8	340.9	330.9	9.95	34.272		
2,300.0	2,285.7	2,213.2	2,142.2	5.6	9.7	-18.33	-110.5	443.9	354.4	343.8	10.52	33.672		
2,400.0	2,381.7	2,312.1	2,232.5	6.0	10.6	-18.52	-124.2	482.0	369.0	357.8	11.17	33.044		
2,500.0	2,477.8	2,411.0	2,322.7	6.5	11.4	-18.70	-137.9	520.1	383.7	371.8	11.83	32.444		
2,600.0	2,573.8	2,509.9	2,413.0	7.0	12.3	-18.87	-151.6	558.1	398.3	385.8	12.50	31.876		
2,700.0	2,669.9	2,608.8	2,503.2	7.5	13.1	-19.02	-165.3	596.2	413.0	399.8	13.18	31.340		
2,800.0	2,765.9	2,707.7	2,593.5	8.1	14.0	-19.16	-179.0	634.3	427.7	413.8	13.87	30.835		
2,900.0	2,862.0	2,806.7	2,683.7	8.6	14.9	-19.30	-192.7	672.4	442.3	427.8	14.57	30.361		
3,000.0	2,958.0	2,905.6	2,774.0	9.2	15.8	-19.42	-206.4	710.5	457.0	441.7	15.28	29.916		
3,100.0	3,054.1	3,004.5	2,864.2	9.7	16.6	-19.54	-220.1	748.6	471.7	455.7	15.99	29.498		
3,200.0	3,150.1	3,103.4	2,954.5	10.3	17.5	-19.65	-233.8	786.7	486.3	469.6	16.71	29.106		
3,300.0	3,246.2	3,202.3	3,044.8	10.8	18.4	-19.75	-247.5	824.7	501.0	483.6	17.43	28.738		
3,400.0	3,342.2	3,301.2	3,135.0	11.4	19.2	-19.85	-261.2	862.8	515.7	497.5	18.16	28.392		
3,500.0	3,438.3	3,400.1	3,225.3	12.0	20.1	-19.94	-274.9	900.9	530.4	511.5	18.90	28.066		
3,600.0	3,534.3	3,499.1	3,315.5	12.6	21.0	-20.03	-288.6	939.0	545.0	525.4	19.63	27.760		
3,700.0	3,630.4	3,598.0	3,405.8	13.1	21.9	-20.11	-302.3	977.1	559.7	539.3	20.38	27.471		
3,800.0	3,726.4	3,696.9	3,496.0	13.7	22.8	-20.19	-316.0	1,015.2	574.4	553.3	21.12	27.198		
3,900.0	3,822.5	3,795.8	3,586.3	14.3	23.6	-20.27	-329.7	1,053.3	589.1	567.2	21.87	26.941		
4,000.0	3,918.5	3,894.7	3,676.5	14.9	24.5	-20.34	-343.5	1,091.3	603.8	581.2	22.62	26.697		
4,100.0	4,014.6	3,993.6	3,766.8	15.5	25.4	-20.41	-357.2	1,129.4	618.5	595.1	23.37	26.467		
4,200.0	4,110.6	4,092.5	3,857.0	16.0	26.3	-20.47	-370.9	1,167.5	633.1	609.0	24.12	26.248		
4,300.0	4,206.7	4,191.4	3,947.3	16.6	27.1	-20.53	-384.6	1,205.6	647.8	622.9	24.88	26.041		
4,400.0	4,302.7	4,290.4	4,037.5	17.2	28.0	-20.59	-398.3	1,243.7	662.5	636.9	25.64	25.844		
4,500.0	4,398.8	4,389.3	4,127.8	17.8	28.9	-20.65	-412.0	1,281.8	677.2	650.8	26.39	25.657		
4,600.0	4,494.8	4,488.2	4,218.0	18.4	29.8	-20.70	-425.7	1,319.9	691.9	664.7	27.16	25.478		
4,700.0	4,590.9	4,587.1	4,308.3	19.0	30.7	-20.75	-439.4	1,357.9	706.6	678.7	27.92	25.309		
4,800.0	4,686.9	4,686.0	4,398.5	19.6	31.5	-20.80	-453.1	1,396.0	721.3	692.6	28.68	25.147		
4,900.0	4,783.0	4,784.9	4,488.8	20.2	32.4	-20.85	-466.8	1,434.1	736.0	706.5	29.45	24.992		
5,000.0	4,879.0	4,883.8	4,579.1	20.8	33.3	-20.90	-480.5	1,472.2	750.6	720.4	30.21	24.844		
5,100.0	4,975.1	4,982.8	4,669.3	21.3	34.2	-20.94	-494.2	1,510.3	765.3	734.4	30.98	24.703		

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix R-29HN - Wellbore #1 - Plan #1 (10-08-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	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
5,200.0	5,071.1	5,081.7	4,759.6	21.9	35.1	-20.98	-507.9	1,548.4	780.0	748.3	31.75	24.567	
5,300.0	5,167.2	5,180.6	4,849.8	22.5	35.9	-21.02	-521.6	1,586.4	794.7	762.2	32.52	24.438	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix S-29HC - Wellbore #1 - Plan #1 (10-08-14)													Offset Site Error: 0.0 ft
Survey Program: 0-MWD													Offset Well Error: 0.0 ft
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	117.02	-70.0	137.2	154.0				
100.0	100.0	99.0	99.0	0.1	0.1	117.02	-70.0	137.2	154.0	153.8	0.22	688.635	
200.0	200.0	199.0	199.0	0.3	0.3	117.02	-70.0	137.2	154.0	153.3	0.67	229.163	
300.0	300.0	299.0	299.0	0.6	0.6	117.02	-70.0	137.2	154.0	152.9	1.12	137.314	
400.0	400.0	399.0	399.0	0.8	0.8	117.02	-70.0	137.2	154.0	152.4	1.57	98.026	
500.0	500.0	499.0	499.0	1.0	1.0	117.02	-70.0	137.2	154.0	152.0	2.02	76.218	
600.0	600.0	599.0	599.0	1.2	1.2	117.02	-70.0	137.2	154.0	151.5	2.47	62.347 CC, ES	
700.0	700.0	694.0	694.0	1.5	1.4	116.91	-70.4	138.7	155.6	152.7	2.89	53.783	
800.0	800.0	788.7	788.6	1.7	1.6	116.61	-71.7	143.2	160.5	157.1	3.31	48.461	
900.0	900.0	883.1	882.6	1.9	1.8	116.14	-73.9	150.6	168.6	164.8	3.74	45.021	
1,000.0	1,000.0	976.8	975.7	2.1	2.1	115.56	-77.0	160.9	179.9	175.7	4.20	42.847	
1,100.0	1,100.0	1,069.7	1,067.6	2.4	2.3	114.92	-80.8	174.0	194.5	189.8	4.68	41.545	
1,200.0	1,200.0	1,161.6	1,158.0	2.6	2.6	114.25	-85.5	189.8	212.2	207.0	5.19	40.848	
1,300.0	1,300.0	1,252.4	1,246.8	2.8	3.0	113.60	-90.9	208.1	233.1	227.3	5.74	40.572	
1,400.0	1,400.0	1,341.9	1,333.6	3.0	3.4	112.98	-97.0	228.8	257.0	250.7	6.33	40.590	
1,500.0	1,500.0	1,430.3	1,418.7	3.2	3.8	-5.49	-103.8	251.8	282.3	275.9	6.36	44.415	
1,600.0	1,599.8	1,518.1	1,502.4	3.4	4.3	-6.06	-111.3	277.1	307.2	300.4	6.76	45.408	
1,700.0	1,699.5	1,605.3	1,584.8	3.6	4.8	-6.62	-119.4	304.6	331.7	324.5	7.18	46.187	
1,800.0	1,798.7	1,691.8	1,665.6	3.9	5.4	-7.19	-128.2	334.3	355.8	348.2	7.61	46.774	
1,900.0	1,897.5	1,777.9	1,745.0	4.1	6.1	-7.77	-137.6	366.2	379.6	371.5	8.05	47.176	
2,000.0	1,995.6	1,870.9	1,829.9	4.4	6.8	-8.39	-148.4	402.6	402.4	393.9	8.51	47.255	
2,100.0	2,093.1	1,968.8	1,919.2	4.7	7.6	-9.06	-159.8	441.0	422.0	413.0	9.01	46.847	
2,200.0	2,197.3	2,075.1	2,016.2	5.2	8.5	-9.80	-172.1	482.8	439.5	430.0	9.56	45.978	
2,300.0	2,285.7	2,166.1	2,099.1	5.6	9.3	-10.47	-182.7	518.6	452.8	442.7	10.09	44.885	
2,400.0	2,381.7	2,264.9	2,189.2	6.0	10.2	-11.16	-194.2	557.4	467.3	456.6	10.68	43.764	
2,500.0	2,477.8	2,363.6	2,279.4	6.5	11.0	-11.80	-205.6	596.2	481.9	470.6	11.28	42.709	
2,600.0	2,573.8	2,462.4	2,369.5	7.0	11.9	-12.41	-217.1	635.0	496.5	484.6	11.90	41.717	
2,700.0	2,669.9	2,561.2	2,459.6	7.5	12.7	-12.98	-228.6	673.9	511.2	498.6	12.53	40.785	
2,800.0	2,765.9	2,660.0	2,549.7	8.1	13.6	-13.52	-240.1	712.7	525.9	512.7	13.18	39.909	
2,900.0	2,862.0	2,758.8	2,639.8	8.6	14.5	-14.03	-251.5	751.5	540.7	526.8	13.83	39.085	
3,000.0	2,958.0	2,857.6	2,729.9	9.2	15.3	-14.52	-263.0	790.3	555.5	541.0	14.50	38.310	
3,100.0	3,054.1	2,956.4	2,820.1	9.7	16.2	-14.97	-274.5	829.2	570.3	555.1	15.18	37.580	
3,200.0	3,150.1	3,055.2	2,910.2	10.3	17.1	-15.41	-286.0	868.0	585.2	569.3	15.86	36.893	
3,300.0	3,246.2	3,154.0	3,000.3	10.8	18.0	-15.82	-297.5	906.8	600.1	583.5	16.56	36.246	
3,400.0	3,342.2	3,252.8	3,090.4	11.4	18.8	-16.22	-308.9	945.6	615.0	597.8	17.26	35.635	
3,500.0	3,438.3	3,351.6	3,180.5	12.0	19.7	-16.59	-320.4	984.5	630.0	612.0	17.97	35.058	
3,600.0	3,534.3	3,450.4	3,270.6	12.6	20.6	-16.95	-331.9	1,023.3	645.0	626.3	18.69	34.512	
3,700.0	3,630.4	3,549.1	3,360.7	13.1	21.5	-17.29	-343.4	1,062.1	660.0	640.6	19.41	33.996	
3,800.0	3,726.4	3,647.9	3,450.9	13.7	22.4	-17.62	-354.8	1,100.9	675.0	654.9	20.15	33.508	
3,900.0	3,822.5	3,746.7	3,541.0	14.3	23.2	-17.93	-366.3	1,139.7	690.1	669.2	20.88	33.045	
4,000.0	3,918.5	3,845.5	3,631.1	14.9	24.1	-18.23	-377.8	1,178.6	705.2	683.5	21.63	32.606	
4,100.0	4,014.6	3,944.3	3,721.2	15.5	25.0	-18.52	-389.3	1,217.4	720.3	697.9	22.38	32.189	
4,200.0	4,110.6	4,043.1	3,811.3	16.0	25.9	-18.79	-400.7	1,256.2	735.4	712.2	23.13	31.792	
4,300.0	4,206.7	4,141.9	3,901.4	16.6	26.7	-19.06	-412.2	1,295.0	750.5	726.6	23.89	31.415	
4,400.0	4,302.7	4,240.7	3,991.6	17.2	27.6	-19.31	-423.7	1,333.9	765.6	741.0	24.65	31.056	
4,500.0	4,398.8	4,339.5	4,081.7	17.8	28.5	-19.55	-435.2	1,372.7	780.8	755.4	25.42	30.714	
4,600.0	4,494.8	4,438.3	4,171.8	18.4	29.4	-19.79	-446.7	1,411.5	796.0	769.8	26.19	30.388 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design Matrix 29- Pad Sec.29-T6N-R65W - Matrix T-29HN - Wellbore #1 - Plan #1 (10-02-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	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	112.55	-62.3	150.0	162.4				
100.0	100.0	99.0	99.0	0.1	0.1	112.55	-62.3	150.0	162.4	162.2	0.22	726.271	
200.0	200.0	199.0	199.0	0.3	0.3	112.55	-62.3	150.0	162.4	161.8	0.67	241.688	CC, ES
300.0	300.0	293.7	293.7	0.6	0.5	112.50	-62.7	151.5	164.0	162.9	1.10	149.511	
400.0	400.0	388.1	388.0	0.8	0.7	112.33	-64.0	155.9	168.9	167.4	1.53	110.548	
500.0	500.0	482.1	481.7	1.0	1.0	112.08	-66.2	163.3	177.1	175.1	1.98	89.380	
600.0	600.0	575.5	574.5	1.2	1.2	111.76	-69.3	173.6	188.5	186.0	2.46	76.586	
700.0	700.0	668.2	666.1	1.5	1.5	111.40	-73.1	186.6	203.1	200.1	2.97	68.331	
800.0	800.0	759.8	756.2	1.7	1.9	111.03	-77.8	202.3	220.9	217.4	3.52	62.785	
900.0	900.0	850.3	844.7	1.9	2.3	110.67	-83.2	220.5	241.8	237.7	4.10	58.967	
1,000.0	1,000.0	939.5	931.3	2.1	2.7	110.32	-89.2	241.0	265.8	261.1	4.72	56.304	
1,100.0	1,100.0	1,027.2	1,015.8	2.4	3.2	110.00	-96.0	263.7	292.7	287.4	5.38	54.444	
1,200.0	1,200.0	1,113.4	1,098.0	2.6	3.7	109.70	-103.3	288.5	322.6	316.5	6.07	53.159	
1,300.0	1,300.0	1,200.0	1,179.8	2.8	4.2	109.43	-111.3	315.7	355.3	348.5	6.81	52.194	
1,400.0	1,400.0	1,280.7	1,255.2	3.0	4.8	109.20	-119.5	343.1	390.8	383.2	7.56	51.668	
1,500.0	1,500.0	1,362.1	1,330.5	3.2	5.5	-8.85	-128.3	372.9	427.3	420.7	6.58	64.973	
1,600.0	1,599.8	1,447.6	1,408.6	3.4	6.2	-9.03	-138.2	406.2	463.1	456.0	7.04	65.816	
1,700.0	1,699.5	1,541.9	1,494.6	3.6	7.0	-9.27	-149.2	443.4	496.1	488.6	7.52	65.987	
1,800.0	1,798.7	1,637.3	1,581.5	3.9	7.8	-9.54	-160.3	481.0	526.0	518.0	8.02	65.609	
1,900.0	1,897.5	1,733.6	1,669.4	4.1	8.7	-9.84	-171.5	519.0	552.5	544.0	8.53	64.781	
2,000.0	1,995.6	1,830.8	1,757.9	4.4	9.5	-10.18	-182.9	557.3	575.8	566.7	9.06	63.586	
2,100.0	2,093.1	1,928.7	1,847.2	4.7	10.4	-10.56	-194.3	595.8	595.7	586.1	9.59	62.090	
2,208.0	2,197.3	2,035.0	1,944.1	5.2	11.3	-11.02	-206.7	637.8	613.5	603.3	10.19	60.192	
2,300.0	2,285.7	2,125.9	2,027.0	5.6	12.1	-11.48	-217.3	673.6	627.0	616.3	10.74	58.357	
2,400.0	2,381.7	2,224.7	2,117.0	6.0	13.0	-11.95	-228.9	712.5	641.7	630.4	11.36	56.508	
2,500.0	2,477.8	2,323.5	2,207.1	6.5	13.9	-12.40	-240.4	751.4	656.5	644.5	11.98	54.795	
2,600.0	2,573.8	2,422.2	2,297.1	7.0	14.8	-12.84	-251.9	790.4	671.3	658.7	12.62	53.208	
2,700.0	2,669.9	2,521.0	2,387.2	7.5	15.6	-13.25	-263.4	829.3	686.2	672.9	13.26	51.736	
2,800.0	2,765.9	2,619.8	2,477.2	8.1	16.5	-13.65	-275.0	868.2	701.0	687.1	13.92	50.367	
2,900.0	2,862.0	2,718.6	2,567.2	8.6	17.4	-14.03	-286.5	907.2	715.9	701.4	14.58	49.093	
3,000.0	2,958.0	2,817.3	2,657.3	9.2	18.3	-14.40	-298.0	946.1	730.9	715.6	15.26	47.906	
3,100.0	3,054.1	2,916.1	2,747.3	9.7	19.2	-14.75	-309.6	985.0	745.8	729.9	15.94	46.797	
3,200.0	3,150.1	3,014.9	2,837.4	10.3	20.0	-15.09	-321.1	1,024.0	760.8	744.2	16.63	45.760	
3,300.0	3,246.2	3,113.7	2,927.4	10.8	20.9	-15.41	-332.6	1,062.9	775.8	758.5	17.32	44.788	
3,400.0	3,342.2	3,212.4	3,017.4	11.4	21.8	-15.72	-344.1	1,101.8	790.9	772.9	18.02	43.877	SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 699- Moro Farms 31-29 Pad Sec.29-T6N-R65W - Moro Farms 31-29 - 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
11,200.0	7,133.0	7,364.8	7,130.1	75.7	31.2	-90.74	4,137.8	833.9	783.1	691.9	91.26	8.582	
11,300.0	7,133.0	7,364.5	7,129.7	77.5	31.2	-90.70	4,137.8	833.9	710.3	617.2	93.11	7.629	
11,400.0	7,133.0	7,364.1	7,129.4	79.3	31.2	-90.66	4,137.8	833.8	644.8	549.8	94.96	6.789	
11,500.0	7,133.0	7,363.8	7,129.0	81.1	31.2	-90.62	4,137.8	833.8	589.0	492.2	96.82	6.083	
11,600.0	7,133.0	7,363.4	7,128.7	83.0	31.2	-90.58	4,137.8	833.8	546.0	447.3	98.68	5.533	
11,700.0	7,133.0	7,363.1	7,128.3	84.8	31.2	-90.54	4,137.8	833.8	518.9	418.4	100.55	5.161	
11,794.0	7,133.0	7,362.7	7,128.0	86.5	31.2	-90.50	4,137.9	833.8	510.3	408.0	102.30	4.989 CC	
11,800.0	7,133.0	7,362.7	7,128.0	86.6	31.2	-90.50	4,137.9	833.8	510.4	408.0	102.41	4.984 ES	
11,815.7	7,133.0	7,362.6	7,127.9	86.9	31.2	-90.49	4,137.9	833.8	510.8	408.1	102.71	4.974 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 606- Moro Farms 31-29 Pad Sec.29-T6N-R65W - Moro Farms CNE-29 - 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
10,500.0	7,133.0	7,261.3	7,127.0	63.3	23.7	-96.89	3,557.6	1,317.6	712.4	635.0	77.41	9.203	
10,600.0	7,133.0	7,260.9	7,126.5	65.0	23.7	-95.99	3,557.6	1,317.6	612.5	533.2	79.28	7.726	
10,700.0	7,133.0	7,260.4	7,126.1	66.8	23.7	-95.08	3,557.6	1,317.6	512.6	431.5	81.14	6.318	
10,800.0	7,133.0	7,260.0	7,125.6	68.6	23.7	-94.18	3,557.6	1,317.6	412.8	329.8	83.01	4.974	
10,900.0	7,133.0	7,259.5	7,125.1	70.3	23.7	-93.27	3,557.6	1,317.6	313.2	228.3	84.86	3.690	
11,000.0	7,133.0	7,259.0	7,124.7	72.1	23.7	-92.36	3,557.6	1,317.6	213.8	127.1	86.71	2.466	
11,100.0	7,133.0	7,258.6	7,124.2	73.9	23.7	-91.44	3,557.6	1,317.6	115.5	27.0	88.54	1.305 Level 3	
11,200.0	7,133.0	7,258.1	7,123.8	75.7	23.7	-90.53	3,557.6	1,317.6	31.2	-59.2	90.37	0.345 Level 1	
11,211.8	7,133.0	7,258.1	7,123.7	75.9	23.7	-90.42	3,557.6	1,317.6	28.9	-61.7	90.58	0.319 Level 1, CC, ES, SF	
11,300.0	7,133.0	7,257.7	7,123.3	77.5	23.7	-89.62	3,557.6	1,317.6	92.8	0.6	92.18	1.006 Level 2	
11,400.0	7,133.0	7,257.2	7,122.8	79.3	23.7	-88.71	3,557.6	1,317.6	190.4	96.4	93.98	2.026	
11,500.0	7,133.0	7,256.7	7,122.4	81.1	23.7	-87.80	3,557.6	1,317.6	289.6	193.8	95.76	3.024	
11,600.0	7,133.0	7,256.3	7,121.9	83.0	23.7	-86.89	3,557.6	1,317.6	389.2	291.7	97.52	3.991	
11,700.0	7,133.0	7,255.8	7,121.5	84.8	23.7	-85.98	3,557.6	1,317.6	489.0	389.7	99.27	4.926	
11,800.0	7,133.0	7,255.4	7,121.0	86.6	23.7	-85.08	3,557.6	1,317.6	588.9	487.9	100.99	5.831	
11,815.7	7,133.0	7,255.3	7,120.9	86.9	23.7	-84.94	3,557.6	1,317.6	604.6	503.3	101.26	5.970	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-												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
2,600.0	2,573.8	2,559.3	2,559.3	7.0	5.6	-39.48	37.9	968.2	784.8	773.0	11.72	66.954	
2,700.0	2,669.9	2,655.4	2,655.4	7.5	5.9	-40.78	37.9	968.2	763.1	750.8	12.36	61.758	
2,800.0	2,765.9	2,751.4	2,751.4	8.1	6.1	-42.16	37.9	968.2	741.9	728.9	13.02	56.996	
2,900.0	2,862.0	2,847.5	2,847.5	8.6	6.3	-43.62	37.9	968.2	721.1	707.4	13.70	52.633	
3,000.0	2,958.0	2,943.5	2,943.5	9.2	6.5	-45.16	37.9	968.2	700.9	686.5	14.41	48.637	
3,100.0	3,054.1	3,039.6	3,039.6	9.7	6.7	-46.78	37.9	968.2	681.1	666.0	15.14	44.979	
3,200.0	3,150.1	3,135.6	3,135.6	10.3	6.9	-48.50	37.9	968.2	662.0	646.1	15.90	41.630	
3,300.0	3,246.2	3,231.7	3,231.7	10.8	7.2	-50.31	37.9	968.2	643.4	626.7	16.68	38.568	
3,400.0	3,342.2	3,327.7	3,327.7	11.4	7.4	-52.23	37.9	968.2	625.6	608.1	17.49	35.769	
3,500.0	3,438.3	3,423.8	3,423.8	12.0	7.6	-54.25	37.9	968.2	608.5	590.2	18.32	33.215	
3,600.0	3,534.3	3,519.8	3,519.8	12.6	7.8	-56.37	37.9	968.2	592.2	573.0	19.17	30.888	
3,700.0	3,630.4	3,615.9	3,615.9	13.1	8.0	-58.61	37.9	968.2	576.8	556.8	20.05	28.772	
3,800.0	3,726.4	3,711.9	3,711.9	13.7	8.2	-60.96	37.9	968.2	562.4	541.5	20.94	26.855	
3,900.0	3,822.5	3,808.0	3,808.0	14.3	8.4	-63.42	37.9	968.2	549.0	527.1	21.85	25.123	
4,000.0	3,918.5	3,904.0	3,904.0	14.9	8.7	-65.99	37.9	968.2	536.7	513.9	22.78	23.565	
4,100.0	4,014.6	4,000.1	4,000.1	15.5	8.9	-68.67	37.9	968.2	525.6	501.9	23.71	22.171	
4,200.0	4,110.6	4,096.1	4,096.1	16.0	9.1	-71.44	37.9	968.2	515.8	491.1	24.64	20.930	
4,300.0	4,206.7	4,192.2	4,192.2	16.6	9.3	-74.32	37.9	968.2	507.3	481.7	25.57	19.835	
4,400.0	4,302.7	4,288.2	4,288.2	17.2	9.5	-77.27	37.9	968.2	500.2	473.7	26.50	18.876	
4,500.0	4,398.8	4,384.3	4,384.3	17.8	9.7	-80.30	37.9	968.2	494.5	467.1	27.40	18.046	
4,600.0	4,494.8	4,480.3	4,480.3	18.4	10.0	-83.38	37.9	968.2	490.4	462.1	28.29	17.337	
4,700.0	4,590.9	4,576.4	4,576.4	19.0	10.2	-86.50	37.9	968.2	487.9	458.7	29.14	16.740	
4,800.0	4,686.9	4,672.4	4,672.4	19.6	10.4	-89.64	37.9	968.2	486.9	456.9	29.96	16.250	
4,811.4	4,697.9	4,683.4	4,683.4	19.6	10.4	-90.00	37.9	968.2	486.9	456.8	30.06	16.200	
4,900.0	4,783.0	4,768.5	4,768.5	20.2	10.6	-92.79	37.9	968.2	487.5	456.8	30.74	15.857	
5,000.0	4,879.0	4,864.5	4,864.5	20.8	10.8	-95.91	37.9	968.2	489.7	458.2	31.48	15.556	
5,100.0	4,975.1	4,960.6	4,960.6	21.3	11.0	-99.00	37.9	968.2	493.5	461.3	32.17	15.339	
5,200.0	5,071.1	5,056.6	5,056.6	21.9	11.3	-102.04	37.9	968.2	498.8	465.9	32.82	15.199	
5,300.0	5,167.2	5,152.7	5,152.7	22.5	11.5	-105.02	37.9	968.2	505.5	472.1	33.41	15.129	
5,400.0	5,263.2	5,248.7	5,248.7	23.1	11.7	-107.91	37.9	968.2	513.7	479.7	33.97	15.124	
5,500.0	5,359.3	5,344.8	5,344.8	23.7	11.9	-110.71	37.9	968.2	523.3	488.8	34.48	15.176	
5,600.0	5,455.3	5,440.8	5,440.8	24.3	12.1	-113.41	37.9	968.2	534.1	499.1	34.95	15.279	
5,700.0	5,551.4	5,536.9	5,536.9	24.9	12.3	-116.01	37.9	968.2	546.1	510.7	35.39	15.429	
5,800.0	5,647.4	5,632.9	5,632.9	25.5	12.5	-118.49	37.9	968.2	559.3	523.5	35.81	15.619	
5,900.0	5,743.5	5,729.0	5,729.0	26.1	12.8	-120.87	37.9	968.2	573.5	537.3	36.19	15.845	
6,000.0	5,839.5	5,825.0	5,825.0	26.7	13.0	-123.13	37.9	968.2	588.6	552.1	36.56	16.103	
6,100.0	5,935.6	5,921.1	5,921.1	27.3	13.2	-125.28	37.9	968.2	604.7	567.8	36.90	16.387	
6,200.0	6,031.6	6,017.1	6,017.1	27.9	13.4	-127.32	37.9	968.2	621.6	584.4	37.24	16.694	
6,300.0	6,127.7	6,113.2	6,113.2	28.5	13.6	-129.26	37.9	968.2	639.3	601.7	37.56	17.020	
6,400.0	6,223.7	6,209.2	6,209.2	29.1	13.8	-131.09	37.9	968.2	657.7	619.8	37.88	17.363	
6,500.0	6,319.8	6,305.3	6,305.3	29.7	14.1	-132.83	37.9	968.2	676.7	638.5	38.19	17.720	
6,529.4	6,348.0	6,333.5	6,333.5	29.9	14.1	-133.33	37.9	968.2	682.4	644.1	38.28	17.826	
6,550.0	6,367.8	6,353.3	6,353.3	30.0	14.2	-128.29	37.9	968.2	686.2	647.8	38.41	17.864	
6,600.0	6,416.1	6,401.6	6,401.6	30.2	14.3	-114.49	37.9	968.2	693.0	654.5	38.58	17.965	
6,650.0	6,464.6	6,450.1	6,450.1	30.4	14.4	-99.79	37.9	968.2	696.8	658.2	38.56	18.071	
6,700.0	6,512.9	6,498.4	6,498.4	30.6	14.5	-86.37	37.9	968.2	697.4	659.1	38.36	18.181	
6,750.0	6,560.8	6,546.3	6,546.3	30.7	14.6	-75.66	37.9	968.2	695.1	657.1	37.99	18.296	
6,800.0	6,608.2	6,593.7	6,593.7	30.8	14.7	-67.84	37.9	968.2	689.7	652.2	37.45	18.416	
6,850.0	6,654.7	6,640.2	6,640.2	30.9	14.8	-62.47	37.9	968.2	681.5	644.7	36.77	18.536	
6,900.0	6,700.2	6,685.7	6,685.7	31.0	14.9	-59.01	37.9	968.2	670.5	634.6	35.95	18.651	
6,950.0	6,744.4	6,729.9	6,729.9	31.1	15.0	-57.03	37.9	968.2	657.0	622.0	35.05	18.747	
7,000.0	6,787.1	6,772.6	6,772.6	31.1	15.1	-56.24	37.9	968.2	641.2	607.1	34.10	18.805	

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design										Moro Farms CSE-29 Pad Sec.29-T6N-R65W - Moro Farms 34-29 (Vert.) - Wellbore #1 - Moro Farms 34			Offset Site Error:		0.0 ft
Survey Program: 0-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)				
7,050.0	6,828.2	6,813.7	6,813.7	31.2	15.2	-56.42	37.9	968.2	623.1	590.0	33.16	18.794			
7,100.0	6,867.3	6,852.8	6,852.8	31.2	15.3	-57.45	37.9	968.2	603.2	570.9	32.30	18.673			
7,150.0	6,904.3	6,889.8	6,889.8	31.1	15.4	-59.22	37.9	968.2	581.7	550.1	31.63	18.392			
7,200.0	6,939.1	6,924.6	6,924.6	31.1	15.5	-61.65	37.9	968.2	559.0	527.8	31.22	17.906			
7,250.0	6,971.5	6,957.0	6,957.0	31.1	15.5	-64.64	37.9	968.2	535.5	504.3	31.13	17.198			
7,300.0	7,001.2	6,986.7	6,986.7	31.0	15.6	-68.07	37.9	968.2	511.6	480.2	31.40	16.297			
7,350.0	7,028.2	7,013.7	7,013.7	31.0	15.7	-71.79	37.9	968.2	488.1	456.1	31.95	15.278			
7,400.0	7,052.4	7,037.9	7,037.9	30.9	15.7	-75.61	37.9	968.2	465.4	432.7	32.68	14.242			
7,450.0	7,073.5	7,059.0	7,059.0	30.9	15.8	-79.32	37.9	968.2	444.4	411.0	33.47	13.278			
7,500.0	7,091.6	7,077.1	7,077.1	30.8	15.8	-82.72	37.9	968.2	425.9	391.7	34.22	12.447			
7,550.0	7,106.5	7,092.0	7,092.0	30.7	15.8	-85.63	37.9	968.2	410.6	375.8	34.86	11.780			
7,600.0	7,118.1	7,103.6	7,103.6	30.7	15.9	-87.90	37.9	968.2	399.5	364.1	35.38	11.292			
7,650.0	7,126.4	7,111.9	7,111.9	30.6	15.9	-89.42	37.9	968.2	393.1	357.3	35.79	10.984			
7,684.8	7,130.2	7,115.7	7,115.7	30.6	15.9	-90.00	37.9	968.2	391.8	355.8	36.04	10.873 CC, ES			
7,700.0	7,131.4	7,116.9	7,116.9	30.5	15.9	-90.13	37.9	968.2	392.1	355.9	36.12	10.853 SF			
7,748.7	7,133.0	7,118.5	7,118.5	30.5	15.9	-90.00	37.9	968.2	396.3	359.9	36.39	10.890			
7,800.0	7,133.0	7,118.5	7,118.5	30.4	15.9	-90.00	37.9	968.2	406.6	369.9	36.64	11.097			
7,900.0	7,133.0	7,118.5	7,118.5	30.4	15.9	-90.00	37.9	968.2	443.4	406.2	37.21	11.916			
8,000.0	7,133.0	7,118.5	7,118.5	30.5	15.9	-90.00	37.9	968.2	497.9	459.9	37.94	13.124			
8,100.0	7,133.0	7,118.5	7,118.5	30.7	15.9	-90.00	37.9	968.2	564.9	526.1	38.80	14.560			
8,200.0	7,133.0	7,118.5	7,118.5	31.1	15.9	-90.00	37.9	968.2	640.7	600.9	39.79	16.102			
8,300.0	7,133.0	7,118.5	7,118.5	31.6	15.9	-90.00	37.9	968.2	722.3	681.4	40.89	17.667			

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 606-												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	
7,550.0	7,106.5	7,185.0	7,084.5	30.7	21.2	52.75	598.1	1,660.4	763.7	728.3	35.34	21.610	
7,600.0	7,118.1	7,196.5	7,096.0	30.7	21.2	62.86	598.2	1,660.5	718.4	681.3	37.11	19.356	
7,650.0	7,126.4	7,204.9	7,104.5	30.6	21.3	72.78	598.2	1,660.5	673.3	635.0	38.30	17.580	
7,700.0	7,131.4	7,210.2	7,109.7	30.5	21.3	81.69	598.3	1,660.5	628.7	590.1	38.68	16.255	
7,748.7	7,133.0	7,212.1	7,111.6	30.5	21.3	88.89	598.3	1,660.5	586.4	547.9	38.44	15.252	
7,800.0	7,133.0	7,212.5	7,112.1	30.4	21.3	88.97	598.3	1,660.5	543.0	504.3	38.69	14.035	
7,900.0	7,133.0	7,213.4	7,112.9	30.4	21.3	89.13	598.3	1,660.5	463.3	424.0	39.25	11.803	
8,000.0	7,133.0	7,214.3	7,113.8	30.5	21.3	89.29	598.3	1,660.5	393.0	353.0	39.96	9.833	
8,100.0	7,133.0	7,215.1	7,114.6	30.7	21.3	89.46	598.3	1,660.5	337.9	297.1	40.81	8.279	
8,200.0	7,133.0	7,216.0	7,115.5	31.1	21.3	89.62	598.3	1,660.5	306.5	264.7	41.78	7.335	
8,251.2	7,133.0	7,216.4	7,116.0	31.3	21.3	89.71	598.3	1,660.5	302.2	259.8	42.34	7.137 CC, ES, SF	
8,300.0	7,133.0	7,216.9	7,116.4	31.6	21.3	89.79	598.3	1,660.6	306.1	263.2	42.86	7.141	
8,400.0	7,133.0	7,217.8	7,117.3	32.3	21.3	89.96	598.3	1,660.6	336.8	292.8	44.04	7.648	
8,500.0	7,133.0	7,218.6	7,118.2	33.1	21.3	90.13	598.3	1,660.6	391.4	346.1	45.30	8.641	
8,600.0	7,133.0	7,219.6	7,119.1	34.1	21.3	90.30	598.4	1,660.6	461.5	414.8	46.62	9.897	
8,700.0	7,133.0	7,220.5	7,120.0	35.2	21.3	90.47	598.4	1,660.6	541.0	493.0	48.02	11.268	
8,800.0	7,133.0	7,221.4	7,120.9	36.3	21.3	90.65	598.4	1,660.6	626.5	577.0	49.46	12.666	
8,900.0	7,133.0	7,222.3	7,121.8	37.6	21.3	90.82	598.4	1,660.6	715.7	664.7	50.95	14.046	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Matrix N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

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

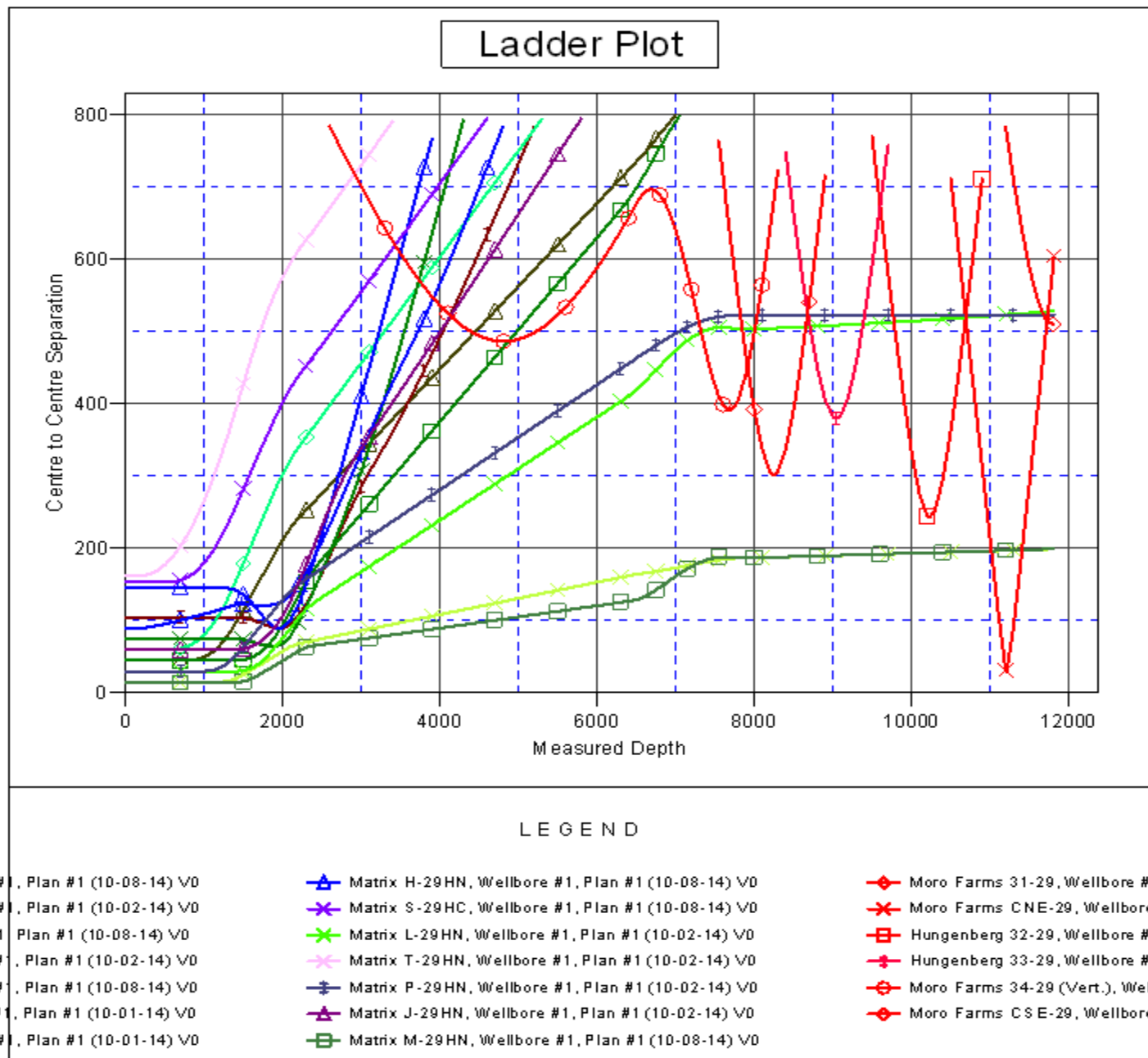
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Matrix N-29HC

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 N-29HC
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 N-29HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (10-08-14)	Offset TVD Reference:	Offset Datum

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

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Matrix N-29HC

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.52°

