Bayswater Exploration & Production, LLC

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

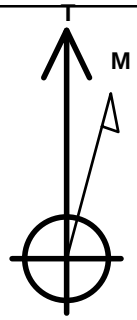
Surface Location: Matrix 29- Pad Sec.29-T6N-R65W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 4707.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	1408803.28	3225919.60	40.452728	-104.688186	

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

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 479'FSL, 2374'FWL	1.0	0.0	0.0	Point
BHL 470'FNL, 311'FEL	7132.0	4118.0	2527.7	Point



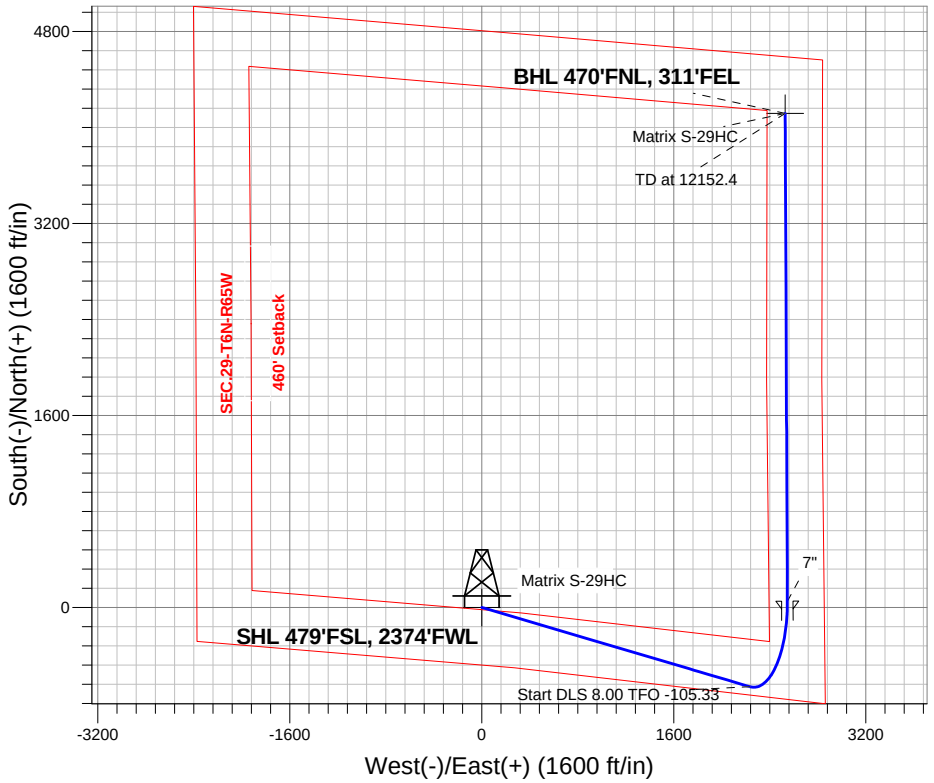
Azimuths to True North
Magnetic North: 8.38°

Magnetic Field
Strength: 52818.7snT
Dip Angle: 66.99°
Date: 10/7/2014
Model: IGRF2010

Matrix 29- Pad Sec.29-T6N-R65W
Matrix S-29HC
Plan #1 (10-08-14)
15:04, October 08 2014

ANNOTATIONS

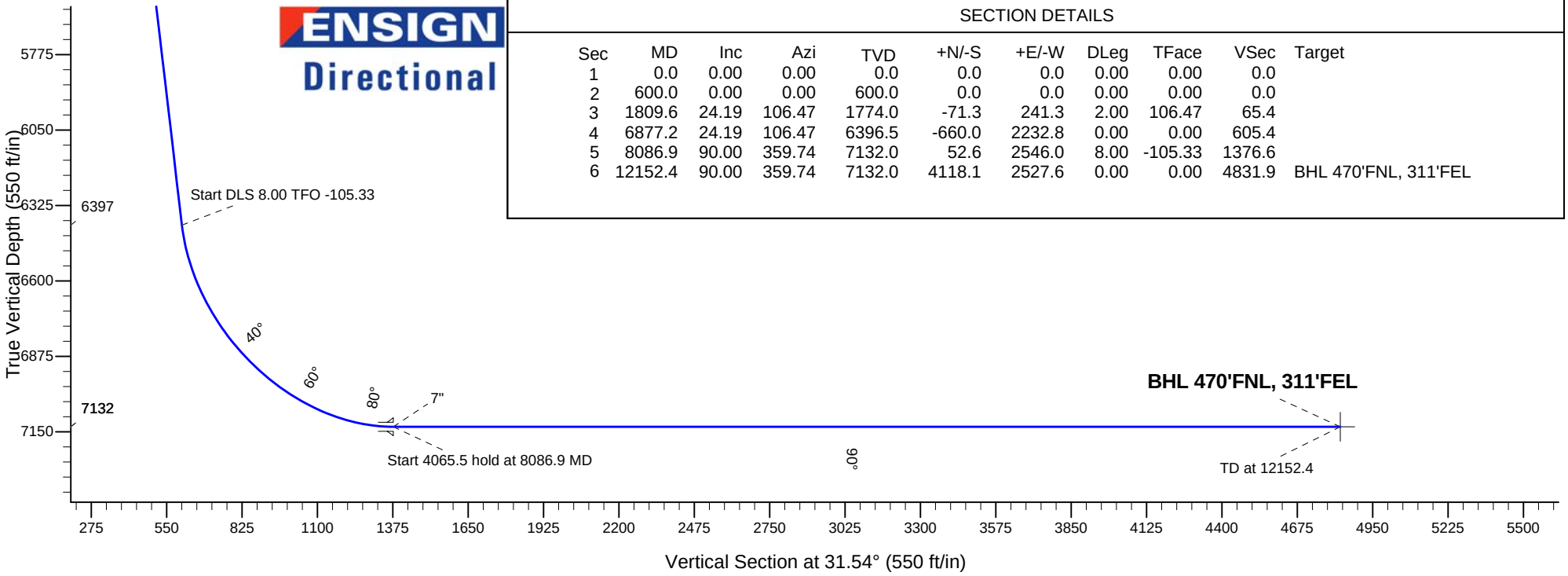
TVD	MD	Annotation
600.0	600.0	KOP - Start Build 2.00
6396.5	6877.2	Start DLS 8.00 TFO -105.33
7132.0	8086.9	Start 4065.5 hold at 8086.9 MD
7132.0	12152.4	TD at 12152.4



ENSIGN Directional

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1809.6	24.19	106.47	1774.0	-71.3	241.3	2.00	106.47	65.4	
4	6877.2	24.19	106.47	6396.5	-660.0	2232.8	0.00	0.00	605.4	
5	8086.9	90.00	359.74	7132.0	52.6	2546.0	8.00	-105.33	1376.6	
6	12152.4	90.00	359.74	7132.0	4118.1	2527.6	0.00	0.00	4831.9	BHL 470'FNL, 311'FEL



Bayswater Exploration & Production, LLC

SEC.29-T6N-R65W
Matrix 29- Pad Sec.29-T6N-R65W
Matrix S-29HC

Wellbore #1

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

Standard Planning Report

08 October, 2014

Database:	Landmark	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Project:	SEC.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	**North Reference:**	True
Well:	Matrix S-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 S-29HC

Well Position	**+N/-S**	-39.4 ft	**Northing:**	1,408,803.28 ft	**Latitude:**	40.452728
	+E/-W	188.7 ft	**Easting:**	3,225,919.60 ft	**Longitude:**	-104.688186
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,707.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/7/2014	8.38	66.99	52,819

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	31.54

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	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,809.6	24.19	106.47	1,774.0	-71.3	241.3	2.00	2.00	0.00	106.47	
6,877.2	24.19	106.47	6,396.5	-660.0	2,232.8	0.00	0.00	0.00	0.00	
8,086.9	90.00	359.74	7,132.0	52.6	2,546.0	8.00	5.44	-8.82	-105.33	
12,152.4	90.00	359.74	7,132.0	4,118.1	2,527.6	0.00	0.00	0.00	0.00	BHL 470'FNL, 311'F

Database:	Landmark	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Project:	SEC.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	**North Reference:**	True
Well:	Matrix S-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 479'FSL, 2374'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
KOP - Start Build 2.00									
700.0	2.00	106.47	700.0	-0.5	1.7	0.5	2.00	2.00	0.00
800.0	4.00	106.47	799.8	-2.0	6.7	1.8	2.00	2.00	0.00
900.0	6.00	106.47	899.5	-4.4	15.0	4.1	2.00	2.00	0.00
1,000.0	8.00	106.47	998.7	-7.9	26.7	7.2	2.00	2.00	0.00
1,100.0	10.00	106.47	1,097.5	-12.3	41.7	11.3	2.00	2.00	0.00
1,200.0	12.00	106.47	1,195.6	-17.7	60.0	16.3	2.00	2.00	0.00
1,300.0	14.00	106.47	1,293.1	-24.1	81.6	22.1	2.00	2.00	0.00
1,400.0	16.00	106.47	1,389.6	-31.5	106.4	28.9	2.00	2.00	0.00
1,500.0	18.00	106.47	1,485.3	-39.7	134.5	36.5	2.00	2.00	0.00
1,600.0	20.00	106.47	1,579.8	-49.0	165.7	44.9	2.00	2.00	0.00
1,700.0	22.00	106.47	1,673.2	-59.1	200.0	54.2	2.00	2.00	0.00
1,800.0	24.00	106.47	1,765.2	-70.2	237.5	64.4	2.00	2.00	0.00
1,809.6	24.19	106.47	1,774.0	-71.3	241.3	65.4	2.00	2.00	0.00
1,900.0	24.19	106.47	1,856.4	-81.8	276.8	75.1	0.00	0.00	0.00
2,000.0	24.19	106.47	1,947.7	-93.4	316.1	85.7	0.00	0.00	0.00
2,100.0	24.19	106.47	2,038.9	-105.1	355.4	96.4	0.00	0.00	0.00
2,200.0	24.19	106.47	2,130.1	-116.7	394.7	107.0	0.00	0.00	0.00
2,300.0	24.19	106.47	2,221.3	-128.3	434.0	117.7	0.00	0.00	0.00
2,400.0	24.19	106.47	2,312.5	-139.9	473.3	128.3	0.00	0.00	0.00
2,500.0	24.19	106.47	2,403.7	-151.5	512.6	139.0	0.00	0.00	0.00
2,600.0	24.19	106.47	2,495.0	-163.1	551.9	149.7	0.00	0.00	0.00
2,700.0	24.19	106.47	2,586.2	-174.8	591.2	160.3	0.00	0.00	0.00
2,800.0	24.19	106.47	2,677.4	-186.4	630.5	171.0	0.00	0.00	0.00
2,900.0	24.19	106.47	2,768.6	-198.0	669.8	181.6	0.00	0.00	0.00
3,000.0	24.19	106.47	2,859.8	-209.6	709.1	192.3	0.00	0.00	0.00
3,100.0	24.19	106.47	2,951.0	-221.2	748.4	202.9	0.00	0.00	0.00
3,200.0	24.19	106.47	3,042.3	-232.8	787.7	213.6	0.00	0.00	0.00
3,300.0	24.19	106.47	3,133.5	-244.5	827.0	224.2	0.00	0.00	0.00
3,400.0	24.19	106.47	3,224.7	-256.1	866.3	234.9	0.00	0.00	0.00
3,500.0	24.19	106.47	3,315.9	-267.7	905.6	245.6	0.00	0.00	0.00
3,600.0	24.19	106.47	3,407.1	-279.3	944.9	256.2	0.00	0.00	0.00
3,700.0	24.19	106.47	3,498.4	-290.9	984.2	266.9	0.00	0.00	0.00
3,800.0	24.19	106.47	3,589.6	-302.5	1,023.5	277.5	0.00	0.00	0.00
3,900.0	24.19	106.47	3,680.8	-314.2	1,062.8	288.2	0.00	0.00	0.00
4,000.0	24.19	106.47	3,772.0	-325.8	1,102.1	298.8	0.00	0.00	0.00
4,100.0	24.19	106.47	3,863.2	-337.4	1,141.4	309.5	0.00	0.00	0.00
4,200.0	24.19	106.47	3,954.4	-349.0	1,180.7	320.2	0.00	0.00	0.00
4,300.0	24.19	106.47	4,045.7	-360.6	1,220.0	330.8	0.00	0.00	0.00
4,400.0	24.19	106.47	4,136.9	-372.3	1,259.3	341.5	0.00	0.00	0.00
4,500.0	24.19	106.47	4,228.1	-383.9	1,298.6	352.1	0.00	0.00	0.00
4,600.0	24.19	106.47	4,319.3	-395.5	1,337.9	362.8	0.00	0.00	0.00
4,700.0	24.19	106.47	4,410.5	-407.1	1,377.2	373.4	0.00	0.00	0.00
4,800.0	24.19	106.47	4,501.7	-418.7	1,416.5	384.1	0.00	0.00	0.00
4,900.0	24.19	106.47	4,593.0	-430.3	1,455.8	394.7	0.00	0.00	0.00

Database:	Landmark	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Project:	SEC.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	**North Reference:**	True
Well:	Matrix S-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	24.19	106.47	4,684.2	-442.0	1,495.1	405.4	0.00	0.00	0.00
5,100.0	24.19	106.47	4,775.4	-453.6	1,534.4	416.1	0.00	0.00	0.00
5,200.0	24.19	106.47	4,866.6	-465.2	1,573.7	426.7	0.00	0.00	0.00
5,300.0	24.19	106.47	4,957.8	-476.8	1,613.0	437.4	0.00	0.00	0.00
5,400.0	24.19	106.47	5,049.1	-488.4	1,652.3	448.0	0.00	0.00	0.00
5,500.0	24.19	106.47	5,140.3	-500.0	1,691.6	458.7	0.00	0.00	0.00
5,600.0	24.19	106.47	5,231.5	-511.7	1,730.9	469.3	0.00	0.00	0.00
5,700.0	24.19	106.47	5,322.7	-523.3	1,770.2	480.0	0.00	0.00	0.00
5,800.0	24.19	106.47	5,413.9	-534.9	1,809.5	490.7	0.00	0.00	0.00
5,900.0	24.19	106.47	5,505.1	-546.5	1,848.8	501.3	0.00	0.00	0.00
6,000.0	24.19	106.47	5,596.4	-558.1	1,888.1	512.0	0.00	0.00	0.00
6,100.0	24.19	106.47	5,687.6	-569.7	1,927.4	522.6	0.00	0.00	0.00
6,200.0	24.19	106.47	5,778.8	-581.4	1,966.7	533.3	0.00	0.00	0.00
6,300.0	24.19	106.47	5,870.0	-593.0	2,006.0	543.9	0.00	0.00	0.00
6,400.0	24.19	106.47	5,961.2	-604.6	2,045.3	554.6	0.00	0.00	0.00
6,500.0	24.19	106.47	6,052.4	-616.2	2,084.6	565.2	0.00	0.00	0.00
6,600.0	24.19	106.47	6,143.7	-627.8	2,123.9	575.9	0.00	0.00	0.00
6,700.0	24.19	106.47	6,234.9	-639.4	2,163.2	586.6	0.00	0.00	0.00
6,800.0	24.19	106.47	6,326.1	-651.1	2,202.5	597.2	0.00	0.00	0.00
6,877.2	24.19	106.47	6,396.5	-660.0	2,232.8	605.4	0.00	0.00	0.00
Start DLS 8.00 TFO -105.33									
6,900.0	23.77	102.10	6,417.3	-662.3	2,241.8	608.2	8.00	-1.85	-19.16
7,000.0	23.47	82.06	6,509.1	-663.8	2,281.3	627.6	8.00	-0.30	-20.04
7,100.0	25.64	63.44	6,600.2	-651.4	2,320.4	658.7	8.00	2.17	-18.62
7,200.0	29.74	48.60	6,688.8	-625.2	2,358.4	700.8	8.00	4.10	-14.85
7,300.0	35.11	37.48	6,773.3	-585.9	2,394.6	753.2	8.00	5.36	-11.12
7,400.0	41.24	29.14	6,851.9	-534.3	2,428.2	814.8	8.00	6.13	-8.34
7,500.0	47.84	22.67	6,923.2	-471.2	2,458.5	884.5	8.00	6.60	-6.46
7,600.0	54.73	17.46	6,985.8	-397.9	2,485.1	960.8	8.00	6.89	-5.21
7,700.0	61.81	13.07	7,038.3	-315.9	2,507.4	1,042.4	8.00	7.08	-4.38
7,800.0	69.01	9.24	7,079.9	-226.8	2,524.9	1,127.5	8.00	7.20	-3.83
7,900.0	76.29	5.76	7,109.7	-132.2	2,537.3	1,214.6	8.00	7.28	-3.48
8,000.0	83.62	2.50	7,127.2	-34.1	2,544.3	1,301.9	8.00	7.33	-3.27
8,086.9	90.00	359.74	7,132.0	52.6	2,546.0	1,376.7	8.00	7.34	-3.17
Start 4065.5 hold at 8086.9 MD - 7"									
8,100.0	90.00	359.74	7,132.0	65.7	2,545.9	1,387.8	0.00	0.00	0.00
8,200.0	90.00	359.74	7,132.0	165.7	2,545.5	1,472.8	0.00	0.00	0.00
8,300.0	90.00	359.74	7,132.0	265.7	2,545.0	1,557.8	0.00	0.00	0.00
8,400.0	90.00	359.74	7,132.0	365.7	2,544.6	1,642.8	0.00	0.00	0.00
8,500.0	90.00	359.74	7,132.0	465.7	2,544.1	1,727.7	0.00	0.00	0.00
8,600.0	90.00	359.74	7,132.0	565.7	2,543.7	1,812.7	0.00	0.00	0.00
8,700.0	90.00	359.74	7,132.0	665.7	2,543.2	1,897.7	0.00	0.00	0.00
8,800.0	90.00	359.74	7,132.0	765.7	2,542.8	1,982.7	0.00	0.00	0.00
8,900.0	90.00	359.74	7,132.0	865.7	2,542.3	2,067.7	0.00	0.00	0.00
9,000.0	90.00	359.74	7,132.0	965.7	2,541.9	2,152.7	0.00	0.00	0.00
9,100.0	90.00	359.74	7,132.0	1,065.7	2,541.4	2,237.7	0.00	0.00	0.00
9,200.0	90.00	359.74	7,132.0	1,165.7	2,540.9	2,322.7	0.00	0.00	0.00
9,300.0	90.00	359.74	7,132.0	1,265.7	2,540.5	2,407.7	0.00	0.00	0.00
9,400.0	90.00	359.74	7,132.0	1,365.7	2,540.0	2,492.7	0.00	0.00	0.00
9,500.0	90.00	359.74	7,132.0	1,465.7	2,539.6	2,577.6	0.00	0.00	0.00
9,600.0	90.00	359.74	7,132.0	1,565.7	2,539.1	2,662.6	0.00	0.00	0.00
9,700.0	90.00	359.74	7,132.0	1,665.7	2,538.7	2,747.6	0.00	0.00	0.00
9,800.0	90.00	359.74	7,132.0	1,765.7	2,538.2	2,832.6	0.00	0.00	0.00
9,900.0	90.00	359.74	7,132.0	1,865.7	2,537.8	2,917.6	0.00	0.00	0.00

Database:	Landmark	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Project:	SEC.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site:	Matrix 29- Pad Sec.29-T6N-R65W	**North Reference:**	True
Well:	Matrix S-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	359.74	7,132.0	1,965.7	2,537.3	3,002.6	0.00	0.00	0.00
10,100.0	90.00	359.74	7,132.0	2,065.7	2,536.9	3,087.6	0.00	0.00	0.00
10,200.0	90.00	359.74	7,132.0	2,165.7	2,536.4	3,172.6	0.00	0.00	0.00
10,300.0	90.00	359.74	7,132.0	2,265.7	2,536.0	3,257.6	0.00	0.00	0.00
10,400.0	90.00	359.74	7,132.0	2,365.7	2,535.5	3,342.5	0.00	0.00	0.00
10,500.0	90.00	359.74	7,132.0	2,465.7	2,535.0	3,427.5	0.00	0.00	0.00
10,600.0	90.00	359.74	7,132.0	2,565.7	2,534.6	3,512.5	0.00	0.00	0.00
10,700.0	90.00	359.74	7,132.0	2,665.7	2,534.1	3,597.5	0.00	0.00	0.00
10,800.0	90.00	359.74	7,132.0	2,765.7	2,533.7	3,682.5	0.00	0.00	0.00
10,900.0	90.00	359.74	7,132.0	2,865.7	2,533.2	3,767.5	0.00	0.00	0.00
11,000.0	90.00	359.74	7,132.0	2,965.7	2,532.8	3,852.5	0.00	0.00	0.00
11,100.0	90.00	359.74	7,132.0	3,065.7	2,532.3	3,937.5	0.00	0.00	0.00
11,200.0	90.00	359.74	7,132.0	3,165.7	2,531.9	4,022.5	0.00	0.00	0.00
11,300.0	90.00	359.74	7,132.0	3,265.7	2,531.4	4,107.4	0.00	0.00	0.00
11,400.0	90.00	359.74	7,132.0	3,365.7	2,531.0	4,192.4	0.00	0.00	0.00
11,500.0	90.00	359.74	7,132.0	3,465.7	2,530.5	4,277.4	0.00	0.00	0.00
11,600.0	90.00	359.74	7,132.0	3,565.7	2,530.1	4,362.4	0.00	0.00	0.00
11,700.0	90.00	359.74	7,132.0	3,665.7	2,529.6	4,447.4	0.00	0.00	0.00
11,800.0	90.00	359.74	7,132.0	3,765.7	2,529.2	4,532.4	0.00	0.00	0.00
11,900.0	90.00	359.74	7,132.0	3,865.7	2,528.7	4,617.4	0.00	0.00	0.00
12,000.0	90.00	359.74	7,132.0	3,965.7	2,528.2	4,702.4	0.00	0.00	0.00
12,100.0	90.00	359.74	7,132.0	4,065.7	2,527.8	4,787.4	0.00	0.00	0.00
12,152.3	90.00	359.74	7,132.0	4,118.0	2,527.6	4,831.8	0.00	0.00	0.00
BHL 470'FNL, 311'FEL									
12,152.4	90.00	359.74	7,132.0	4,118.1	2,527.6	4,831.9	0.00	0.00	0.00
TD at 12152.4									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SHL 479'FSL, 2374'F\	0.00	0.00	1.0	0.0	0.0	1,408,803.29	3,225,919.60	40.452728	-104.688186
- plan hits target center									
- Point									
BHL 470'FNL, 311'FE	0.00	0.00	7,132.0	4,118.0	2,527.7	1,412,944.10	3,228,409.39	40.464031	-104.679102
- plan misses target center by 0.1ft at 12152.3ft MD (7132.0 TVD, 4118.0 N, 2527.6 E)									
- Point									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
8,086.9	7,132.0	7"	7	7-1/2

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

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
600.0	600.0	0.0	0.0	KOP - Start Build 2.00
6,877.2	6,396.5	-71.3	241.3	Start DLS 8.00 TFO -105.33
8,086.9	7,132.0	-660.0	2,232.8	Start 4065.5 hold at 8086.9 MD
12,152.4	7,132.0	52.6	2,546.0	TD at 12152.4

ENSIGN
Directional

Bayswater Exploration & Production, LLC

SEC.29-T6N-R65W
Matrix 29- Pad Sec.29-T6N-R65W
Matrix S-29HC

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

Anticollision Report

08 October, 2014

BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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** 10/8/2014

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	12,152.4	Plan #1 (10-08-14) (Wellbore #1)	MWD	MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Matrix 29- Pad Sec.29-T6N-R65W						
Matrix F-29HN - Wellbore #1 - Plan #1 (10-01-14)	600.0	601.0	15.1	12.7	6.121	CC, ES
Matrix F-29HN - Wellbore #1 - Plan #1 (10-01-14)	700.0	701.0	16.4	13.5	5.637	SF
Matrix J-29HN - Wellbore #1 - Plan #1 (10-02-14)	600.0	601.0	192.8	190.3	77.890	CC, ES
Matrix J-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,200.0	1,196.6	255.2	250.1	50.510	SF
Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14)	600.0	601.0	182.1	179.6	73.570	CC, ES
Matrix K-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,200.0	1,196.6	244.6	239.6	48.439	SF
Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)	600.0	601.0	171.7	169.3	69.396	CC, ES
Matrix L-29HN - Wellbore #1 - Plan #1 (10-02-14)	1,200.0	1,196.6	234.3	229.3	46.396	SF
Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)	600.0	601.0	162.4	160.0	65.637	CC, ES
Matrix M-29HN - Wellbore #1 - Plan #1 (10-08-14)	3,900.0	3,945.6	794.2	773.1	37.580	SF
Matrix N-29HC - Wellbore #1 - Plan #1 (10-08-14)	600.0	601.0	154.0	151.5	62.234	CC, ES
Matrix N-29HC - Wellbore #1 - Plan #1 (10-08-14)	4,500.0	4,540.2	796.1	770.1	30.565	SF
Matrix O-29HN - Wellbore #1 - Plan #1 (10-08-14)	600.0	600.0	146.4	143.9	59.206	CC, ES
Matrix O-29HN - Wellbore #1 - Plan #1 (10-08-14)	5,400.0	5,436.9	792.9	758.6	23.106	SF
Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14)	600.0	600.0	140.2	137.7	56.714	CC, ES
Matrix P-29HN - Wellbore #1 - Plan #1 (10-02-14)	6,500.0	6,551.1	634.5	589.4	14.077	SF
Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14)	600.0	600.0	135.4	132.9	54.768	CC, ES
Matrix Q-29HN - Wellbore #1 - Plan #1 (10-02-14)	12,152.4	11,830.4	528.8	374.0	3.415	SF
Matrix R-29HN - Wellbore #1 - Plan #1 (10-08-14)	3,957.1	4,003.2	104.1	80.8	4.472	CC
Matrix R-29HN - Wellbore #1 - Plan #1 (10-08-14)	6,700.0	6,745.3	122.8	59.3	1.935	ES, SF
Matrix T-29HN - Wellbore #1 - Plan #1 (10-02-14)	200.0	200.0	14.9	14.2	22.127	CC, ES
Matrix T-29HN - Wellbore #1 - Plan #1 (10-02-14)	12,152.4	12,126.2	249.9	108.7	1.769	SF

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

Offset Site Error: 0.0 ft

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

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-120.28	-7.6	-13.1	15.1	15.1	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-120.28	-7.6	-13.1	15.1	14.9	0.23	66.724	
200.0	200.0	201.0	201.0	0.3	0.3	-120.28	-7.6	-13.1	15.1	14.5	0.68	22.389	
300.0	300.0	301.0	301.0	0.6	0.6	-120.28	-7.6	-13.1	15.1	14.0	1.13	13.451	
400.0	400.0	401.0	401.0	0.8	0.8	-120.28	-7.6	-13.1	15.1	13.6	1.58	9.614	
500.0	500.0	501.0	501.0	1.0	1.0	-120.28	-7.6	-13.1	15.1	13.1	2.03	7.480	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
600.0	600.0	601.0	601.0	1.2	1.2	-120.28	-7.6	-13.1	15.1	12.7	2.47	6.121	CC, ES
700.0	700.0	701.0	701.0	1.4	1.5	137.68	-7.6	-13.1	16.4	13.5	2.91	5.637	SF
800.0	799.8	800.8	800.8	1.6	1.7	147.49	-7.6	-13.1	20.6	17.2	3.33	6.172	
900.0	899.5	900.5	900.5	1.9	1.9	156.95	-7.6	-13.1	28.3	24.5	3.76	7.524	
1,000.0	998.7	999.7	999.7	2.1	2.1	163.76	-7.6	-13.1	39.8	35.6	4.19	9.493	
1,100.0	1,097.5	1,098.5	1,098.5	2.4	2.4	168.26	-7.6	-13.1	55.0	50.4	4.63	11.891	
1,200.0	1,195.6	1,196.6	1,196.6	2.8	2.6	171.21	-7.6	-13.1	73.8	68.8	5.06	14.588	
1,300.0	1,293.1	1,291.5	1,291.5	3.2	2.8	172.66	-8.2	-14.4	97.4	91.9	5.48	17.779	
1,400.0	1,389.6	1,384.0	1,383.9	3.6	3.0	172.87	-10.1	-18.5	126.9	121.0	5.89	21.549	
1,500.0	1,485.3	1,473.8	1,473.4	4.2	3.1	172.49	-13.1	-25.0	162.2	155.9	6.31	25.712	
1,600.0	1,579.8	1,560.5	1,559.5	4.8	3.3	171.86	-17.0	-33.7	203.0	196.3	6.74	30.140	
1,700.0	1,673.2	1,643.6	1,641.9	5.5	3.5	171.14	-21.8	-44.3	249.3	242.1	7.18	34.735	
1,809.6	1,774.0	1,732.6	1,729.6	6.3	3.8	170.34	-28.0	-57.9	305.7	298.0	7.67	39.845	
1,900.0	1,856.4	1,808.8	1,804.6	7.1	4.0	169.96	-33.6	-70.1	354.2	346.1	8.14	43.493	
2,000.0	1,947.7	1,893.2	1,887.7	7.9	4.3	169.66	-39.7	-83.6	407.9	399.2	8.67	47.033	
2,100.0	2,038.9	1,977.5	1,970.7	8.7	4.5	169.42	-45.9	-97.1	461.6	452.4	9.21	50.104	
2,200.0	2,130.1	2,061.9	2,053.7	9.6	4.8	169.23	-52.0	-110.6	515.3	505.5	9.77	52.740	
2,300.0	2,221.3	2,146.3	2,136.8	10.5	5.1	169.08	-58.1	-124.1	569.0	558.6	10.33	55.100	
2,400.0	2,312.5	2,230.6	2,219.8	11.3	5.4	168.95	-64.3	-137.6	622.7	611.8	10.89	57.161	
2,500.0	2,403.7	2,315.0	2,302.8	12.2	5.7	168.85	-70.4	-151.1	676.4	664.9	11.47	58.984	
2,600.0	2,495.0	2,399.3	2,385.9	13.1	6.0	168.76	-76.6	-164.6	730.1	718.0	12.05	60.605	
2,700.0	2,586.2	2,483.7	2,468.9	14.0	6.3	168.68	-82.7	-178.1	783.8	771.1	12.63	62.050	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-78.22	39.4	-188.7	192.8				
100.0	100.0	101.0	101.0	0.1	0.1	-78.22	39.4	-188.7	192.8	192.5	0.23	849.074	
200.0	200.0	201.0	201.0	0.3	0.3	-78.22	39.4	-188.7	192.8	192.1	0.68	284.905	
300.0	300.0	301.0	301.0	0.6	0.6	-78.22	39.4	-188.7	192.8	191.6	1.13	171.171	
400.0	400.0	401.0	401.0	0.8	0.8	-78.22	39.4	-188.7	192.8	191.2	1.58	122.335	
500.0	500.0	501.0	501.0	1.0	1.0	-78.22	39.4	-188.7	192.8	190.7	2.03	95.179	
600.0	600.0	601.0	601.0	1.2	1.2	-78.22	39.4	-188.7	192.8	190.3	2.47	77.890	CC, ES
700.0	700.0	701.0	701.0	1.4	1.5	175.35	39.4	-188.7	194.5	191.6	2.91	66.877	
800.0	799.8	800.8	800.8	1.6	1.7	175.47	39.4	-188.7	199.7	196.4	3.33	59.954	
900.0	899.5	900.5	900.5	1.9	1.9	175.64	39.4	-188.7	208.4	204.6	3.76	55.446	
1,000.0	998.7	999.7	999.7	2.1	2.1	175.87	39.4	-188.7	220.5	216.4	4.19	52.656	
1,100.0	1,097.5	1,098.5	1,098.5	2.4	2.4	176.12	39.4	-188.7	236.2	231.5	4.62	51.116	
1,200.0	1,195.6	1,196.6	1,196.6	2.8	2.6	176.38	39.4	-188.7	255.2	250.1	5.05	50.510	SF
1,300.0	1,293.1	1,294.1	1,294.1	3.2	2.8	176.65	39.4	-188.7	277.7	272.2	5.49	50.615	
1,400.0	1,389.6	1,390.6	1,390.6	3.6	3.0	176.91	39.4	-188.7	303.5	297.6	5.92	51.272	
1,500.0	1,485.3	1,486.3	1,486.3	4.2	3.2	177.15	39.4	-188.7	332.7	326.3	6.35	52.360	
1,600.0	1,579.8	1,580.8	1,580.8	4.8	3.4	177.37	39.4	-188.7	365.2	358.4	6.79	53.793	
1,700.0	1,673.2	1,674.2	1,674.2	5.5	3.7	177.57	39.4	-188.7	401.0	393.8	7.23	55.501	
1,809.6	1,774.0	1,775.0	1,775.0	6.3	3.9	177.77	39.4	-188.7	444.0	436.3	7.70	57.627	
1,900.0	1,856.4	1,857.4	1,857.4	7.1	4.1	177.94	39.4	-188.7	481.0	472.8	8.16	58.940	
2,000.0	1,947.7	1,948.7	1,948.7	7.9	4.3	178.11	39.4	-188.7	522.0	513.3	8.67	60.184	
2,100.0	2,038.9	2,039.9	2,039.9	8.7	4.5	178.24	39.4	-188.7	562.9	553.7	9.19	61.250	
2,200.0	2,130.1	2,131.1	2,131.1	9.6	4.7	178.36	39.4	-188.7	603.9	594.2	9.71	62.171	
2,300.0	2,221.3	2,222.3	2,222.3	10.5	4.9	178.47	39.4	-188.7	644.9	634.6	10.24	62.974	
2,400.0	2,312.5	2,313.5	2,313.5	11.3	5.1	178.56	39.4	-188.7	685.8	675.1	10.77	63.678	
2,500.0	2,403.7	2,404.7	2,404.7	12.2	5.3	178.64	39.4	-188.7	726.8	715.5	11.30	64.299	
2,600.0	2,495.0	2,496.0	2,496.0	13.1	5.5	178.71	39.4	-188.7	767.8	755.9	11.84	64.851	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-75.04	47.0	-175.9	182.1				
100.0	100.0	101.0	101.0	0.1	0.1	-75.04	47.0	-175.9	182.1	181.8	0.23	801.987	
200.0	200.0	201.0	201.0	0.3	0.3	-75.04	47.0	-175.9	182.1	181.4	0.68	269.105	
300.0	300.0	301.0	301.0	0.6	0.6	-75.04	47.0	-175.9	182.1	180.9	1.13	161.678	
400.0	400.0	401.0	401.0	0.8	0.8	-75.04	47.0	-175.9	182.1	180.5	1.58	115.550	
500.0	500.0	501.0	501.0	1.0	1.0	-75.04	47.0	-175.9	182.1	180.0	2.03	89.901	
600.0	600.0	601.0	601.0	1.2	1.2	-75.04	47.0	-175.9	182.1	179.6	2.47	73.570	CC, ES
700.0	700.0	701.0	701.0	1.4	1.5	178.51	47.0	-175.9	183.8	180.9	2.91	63.203	
800.0	799.8	800.8	800.8	1.6	1.7	178.55	47.0	-175.9	189.0	185.7	3.33	56.751	
900.0	899.5	900.5	900.5	1.9	1.9	178.61	47.0	-175.9	197.8	194.0	3.76	52.616	
1,000.0	998.7	999.7	999.7	2.1	2.1	178.68	47.0	-175.9	209.9	205.7	4.19	50.127	
1,100.0	1,097.5	1,098.5	1,098.5	2.4	2.4	178.77	47.0	-175.9	225.6	221.0	4.62	48.836	
1,200.0	1,195.6	1,196.6	1,196.6	2.8	2.6	178.86	47.0	-175.9	244.6	239.6	5.05	48.439	SF
1,300.0	1,293.1	1,294.1	1,294.1	3.2	2.8	178.94	47.0	-175.9	267.1	261.7	5.48	48.722	
1,400.0	1,389.6	1,390.6	1,390.6	3.6	3.0	179.03	47.0	-175.9	293.0	287.1	5.92	49.530	
1,500.0	1,485.3	1,486.3	1,486.3	4.2	3.2	179.11	47.0	-175.9	322.2	315.9	6.35	50.751	
1,600.0	1,579.8	1,580.8	1,580.8	4.8	3.4	179.18	47.0	-175.9	354.8	348.0	6.78	52.300	
1,700.0	1,673.2	1,674.2	1,674.2	5.5	3.7	179.24	47.0	-175.9	390.6	383.4	7.22	54.110	
1,809.6	1,774.0	1,775.0	1,775.0	6.3	3.9	179.31	47.0	-175.9	433.6	425.9	7.70	56.335	
1,900.0	1,856.4	1,857.4	1,857.4	7.1	4.1	179.36	47.0	-175.9	470.7	462.5	8.15	57.728	
2,000.0	1,947.7	1,948.7	1,948.7	7.9	4.3	179.41	47.0	-175.9	511.6	503.0	8.66	59.049	
2,100.0	2,038.9	2,047.9	2,047.9	8.7	4.5	179.44	46.7	-175.6	552.3	543.1	9.19	60.125	
2,200.0	2,130.1	2,159.6	2,159.5	9.6	4.7	179.27	43.8	-172.8	590.4	580.7	9.71	60.836	
2,300.0	2,221.3	2,274.2	2,273.8	10.5	4.9	178.91	37.6	-166.8	625.4	615.1	10.23	61.133	
2,400.0	2,312.5	2,391.5	2,390.3	11.3	5.1	178.36	27.8	-157.4	657.1	646.3	10.78	60.964	
2,500.0	2,403.7	2,508.8	2,506.1	12.2	5.4	177.65	14.6	-144.6	685.4	674.1	11.35	60.382	
2,600.0	2,495.0	2,604.8	2,600.7	13.1	5.6	177.05	2.6	-133.1	712.5	700.6	11.91	59.832	
2,700.0	2,586.2	2,700.8	2,695.3	14.0	5.9	176.50	-9.4	-121.5	739.6	727.1	12.48	59.255	
2,800.0	2,677.4	2,796.9	2,789.8	14.8	6.2	175.98	-21.4	-110.0	766.7	753.7	13.07	58.675	
2,900.0	2,768.6	2,892.9	2,884.4	15.7	6.5	175.50	-33.4	-98.4	794.0	780.3	13.67	58.093	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-71.45	54.6	-162.8	171.7				
100.0	100.0	101.0	101.0	0.1	0.1	-71.45	54.6	-162.8	171.7	171.5	0.23	756.489	
200.0	200.0	201.0	201.0	0.3	0.3	-71.45	54.6	-162.8	171.7	171.1	0.68	253.838	
300.0	300.0	301.0	301.0	0.6	0.6	-71.45	54.6	-162.8	171.7	170.6	1.13	152.506	
400.0	400.0	401.0	401.0	0.8	0.8	-71.45	54.6	-162.8	171.7	170.2	1.58	108.995	
500.0	500.0	501.0	501.0	1.0	1.0	-71.45	54.6	-162.8	171.7	169.7	2.03	84.801	
600.0	600.0	601.0	601.0	1.2	1.2	-71.45	54.6	-162.8	171.7	169.3	2.47	69.396	CC, ES
700.0	700.0	701.0	701.0	1.4	1.5	-177.93	54.6	-162.8	173.5	170.6	2.91	59.651	
800.0	799.8	800.8	800.8	1.6	1.7	-177.99	54.6	-162.8	178.7	175.4	3.33	53.649	
900.0	899.5	900.5	900.5	1.9	1.9	-178.08	54.6	-162.8	187.4	183.7	3.76	49.867	
1,000.0	998.7	999.7	999.7	2.1	2.1	-178.19	54.6	-162.8	199.6	195.4	4.19	47.660	
1,100.0	1,097.5	1,098.5	1,098.5	2.4	2.4	-178.31	54.6	-162.8	215.2	210.6	4.62	46.601	
1,200.0	1,195.6	1,196.6	1,196.6	2.8	2.6	-178.44	54.6	-162.8	234.3	229.3	5.05	46.396	SF
1,300.0	1,293.1	1,294.1	1,294.1	3.2	2.8	-178.56	54.6	-162.8	256.8	251.3	5.48	46.842	
1,400.0	1,389.6	1,390.6	1,390.6	3.6	3.0	-178.68	54.6	-162.8	282.7	276.8	5.91	47.791	
1,500.0	1,485.3	1,486.3	1,486.3	4.2	3.2	-178.79	54.6	-162.8	311.9	305.5	6.35	49.133	
1,600.0	1,579.8	1,580.8	1,580.8	4.8	3.4	-178.89	54.6	-162.8	344.4	337.7	6.78	50.788	
1,700.0	1,673.2	1,674.2	1,674.2	5.5	3.7	-178.98	54.6	-162.8	380.3	373.1	7.22	52.692	
1,809.6	1,774.0	1,775.0	1,775.0	6.3	3.9	-179.07	54.6	-162.8	423.3	415.6	7.69	55.009	
1,900.0	1,856.4	1,867.7	1,867.7	7.1	4.1	-179.19	54.2	-162.2	459.7	451.5	8.15	56.374	
2,000.0	1,947.7	1,978.0	1,977.9	7.9	4.3	-179.45	51.4	-158.3	496.9	488.2	8.66	57.409	
2,100.0	2,038.9	2,091.3	2,090.8	8.7	4.5	-179.85	46.0	-150.8	530.7	521.5	9.17	57.875	
2,200.0	2,130.1	2,207.4	2,206.0	9.6	4.7	179.65	37.7	-139.4	560.9	551.2	9.71	57.781	
2,300.0	2,221.3	2,326.1	2,323.1	10.5	5.0	179.02	26.5	-123.7	587.5	577.3	10.27	57.187	
2,400.0	2,312.5	2,443.0	2,437.6	11.3	5.4	178.32	12.6	-104.6	610.4	599.5	10.86	56.217	
2,500.0	2,403.7	2,540.4	2,532.7	12.2	5.7	177.72	0.3	-87.4	632.0	620.6	11.44	55.269	
2,600.0	2,495.0	2,637.9	2,627.8	13.1	6.0	177.17	-12.1	-70.3	653.7	641.6	12.02	54.394	
2,700.0	2,586.2	2,735.3	2,722.9	14.0	6.3	176.65	-24.5	-53.1	675.4	662.8	12.62	53.524	
2,800.0	2,677.4	2,832.7	2,818.1	14.8	6.7	176.16	-36.9	-35.9	697.1	683.9	13.23	52.688	
2,900.0	2,768.6	2,930.2	2,913.2	15.7	7.1	175.71	-49.2	-18.8	718.9	705.1	13.86	51.887	
3,000.0	2,859.8	3,027.6	3,008.3	16.6	7.5	175.28	-61.6	-1.6	740.8	726.3	14.49	51.120	
3,100.0	2,951.0	3,125.0	3,103.4	17.5	7.9	174.87	-74.0	15.5	762.7	747.5	15.14	50.388	
3,200.0	2,042.3	3,222.5	3,198.5	18.4	8.3	174.49	-86.4	32.7	784.6	768.8	15.79	49.689	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-67.44	62.3	-150.0	162.4				
100.0	100.0	101.0	101.0	0.1	0.1	-67.44	62.3	-150.0	162.4	162.2	0.23	715.512	
200.0	200.0	201.0	201.0	0.3	0.3	-67.44	62.3	-150.0	162.4	161.8	0.68	240.089	
300.0	300.0	301.0	301.0	0.6	0.6	-67.44	62.3	-150.0	162.4	161.3	1.13	144.245	
400.0	400.0	401.0	401.0	0.8	0.8	-67.44	62.3	-150.0	162.4	160.9	1.58	103.091	
500.0	500.0	501.0	501.0	1.0	1.0	-67.44	62.3	-150.0	162.4	160.4	2.03	80.207	
600.0	600.0	601.0	601.0	1.2	1.2	-67.44	62.3	-150.0	162.4	160.0	2.47	65.637	CC, ES
700.0	700.0	701.0	701.0	1.4	1.5	-173.97	62.3	-150.0	164.2	161.3	2.91	56.449	
800.0	799.8	800.8	800.8	1.6	1.7	-174.15	62.3	-150.0	169.4	166.0	3.33	50.845	
900.0	899.5	900.5	900.5	1.9	1.9	-174.42	62.3	-150.0	178.0	174.3	3.76	47.370	
1,000.0	998.7	999.7	999.7	2.1	2.1	-174.75	62.3	-150.0	190.2	186.0	4.19	45.406	
1,100.0	1,097.5	1,098.5	1,098.5	2.4	2.4	-175.12	62.3	-150.0	205.8	201.1	4.62	44.543	
1,200.0	1,195.6	1,196.6	1,196.6	2.8	2.6	-175.51	62.3	-150.0	224.8	219.7	5.05	44.501	
1,300.0	1,293.1	1,294.1	1,294.1	3.2	2.8	-175.88	62.3	-150.0	247.2	241.7	5.48	45.084	
1,400.0	1,389.6	1,390.6	1,390.6	3.6	3.0	-176.24	62.3	-150.0	273.0	267.1	5.92	46.150	
1,500.0	1,485.3	1,486.3	1,486.3	4.2	3.2	-176.56	62.3	-150.0	302.2	295.9	6.35	47.595	
1,600.0	1,579.8	1,580.8	1,580.8	4.8	3.4	-176.86	62.3	-150.0	334.7	327.9	6.78	49.340	
1,700.0	1,673.2	1,684.9	1,684.9	5.5	3.7	-177.20	61.7	-148.9	369.4	362.2	7.22	51.176	
1,809.6	1,774.0	1,803.5	1,803.4	6.3	3.9	-177.67	58.7	-143.7	407.4	399.7	7.68	53.065	
1,900.0	1,856.4	1,903.3	1,902.7	7.1	4.1	-178.13	54.3	-136.1	437.1	429.0	8.13	53.780	
2,000.0	1,947.7	2,016.2	2,014.7	7.9	4.3	-178.69	47.3	-123.8	466.6	457.9	8.65	53.940	
2,100.0	2,038.9	2,131.6	2,128.6	8.7	4.6	-179.30	37.8	-107.3	492.4	483.2	9.20	53.531	
2,200.0	2,130.1	2,249.2	2,243.7	9.6	5.0	-179.97	25.9	-86.5	514.3	504.5	9.77	52.631	
2,300.0	2,221.3	2,368.7	2,359.5	10.5	5.4	179.29	11.3	-61.1	532.4	522.0	10.37	51.321	
2,400.0	2,312.5	2,467.6	2,454.8	11.3	5.8	178.67	-1.8	-38.3	548.4	537.5	10.96	50.059	
2,500.0	2,403.7	2,566.1	2,549.8	12.2	6.2	178.08	-14.8	-15.6	564.5	553.0	11.56	48.840	
2,600.0	2,495.0	2,664.7	2,644.8	13.1	6.7	177.53	-27.9	7.2	580.7	568.5	12.18	47.694	
2,700.0	2,586.2	2,763.2	2,739.8	14.0	7.1	177.01	-40.9	29.9	596.9	584.1	12.80	46.615	
2,800.0	2,677.4	2,861.7	2,834.8	14.8	7.6	176.51	-53.9	52.6	613.2	599.7	13.45	45.600	
2,900.0	2,768.6	2,960.3	2,929.8	15.7	8.1	176.04	-67.0	75.3	629.5	615.4	14.10	44.642	
3,000.0	2,859.8	3,058.8	3,024.8	16.6	8.6	175.60	-80.0	98.0	645.8	631.0	14.76	43.740	
3,100.0	2,951.0	3,157.3	3,119.8	17.5	9.1	175.17	-93.0	120.8	662.2	646.7	15.44	42.890	
3,200.0	3,042.3	3,255.9	3,214.8	18.4	9.6	174.77	-106.1	143.5	678.6	662.5	16.12	42.087	
3,300.0	3,133.5	3,354.4	3,309.7	19.3	10.1	174.38	-119.1	166.2	695.0	678.2	16.82	41.330	
3,400.0	3,224.7	3,452.9	3,404.7	20.1	10.6	174.02	-132.1	188.9	711.5	694.0	17.52	40.615	
3,500.0	3,315.9	3,551.5	3,499.7	21.0	11.2	173.67	-145.2	211.6	728.0	709.8	18.23	39.940	
3,600.0	3,407.1	3,650.0	3,594.7	21.9	11.7	173.33	-158.2	234.4	744.5	725.6	18.94	39.301	
3,700.0	3,498.4	3,748.5	3,689.7	22.8	12.2	173.01	-171.2	257.1	761.1	741.4	19.67	38.696	
3,800.0	3,589.6	3,847.1	3,784.7	23.7	12.8	172.70	-184.3	279.8	777.6	757.2	20.40	38.123	
3,900.0	3,680.8	3,945.6	3,879.7	24.6	13.3	172.41	-197.3	302.5	794.2	773.1	21.13	37.580	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 N-29HC - Wellbore #1 - Plan #1 (10-08-14) — **Offset Site Error:** 0.0 ft

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

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-62.98	70.0	-137.2	154.0				
100.0	100.0	101.0	101.0	0.1	0.1	-62.98	70.0	-137.2	154.0	153.8	0.23	678.414	
200.0	200.0	201.0	201.0	0.3	0.3	-62.98	70.0	-137.2	154.0	153.3	0.68	227.641	
300.0	300.0	301.0	301.0	0.6	0.6	-62.98	70.0	-137.2	154.0	152.9	1.13	136.766	
400.0	400.0	401.0	401.0	0.8	0.8	-62.98	70.0	-137.2	154.0	152.4	1.58	97.746	
500.0	500.0	501.0	501.0	1.0	1.0	-62.98	70.0	-137.2	154.0	152.0	2.03	76.049	
600.0	600.0	601.0	601.0	1.2	1.2	-62.98	70.0	-137.2	154.0	151.5	2.47	62.234	CC, ES
700.0	700.0	701.0	701.0	1.4	1.5	-169.56	70.0	-137.2	155.7	152.8	2.91	53.546	
800.0	799.8	800.8	800.8	1.6	1.7	-169.88	70.0	-137.2	160.9	157.5	3.33	48.292	
900.0	899.5	900.5	900.5	1.9	1.9	-170.37	70.0	-137.2	169.5	165.7	3.76	45.081	
1,000.0	998.7	999.7	999.7	2.1	2.1	-170.98	70.0	-137.2	181.5	177.3	4.19	43.322	
1,100.0	1,097.5	1,098.5	1,098.5	2.4	2.4	-171.65	70.0	-137.2	197.0	192.3	4.62	42.621	
1,200.0	1,195.6	1,196.6	1,196.6	2.8	2.6	-172.33	70.0	-137.2	215.9	210.8	5.05	42.711	
1,300.0	1,293.1	1,294.1	1,294.1	3.2	2.8	-173.00	70.0	-137.2	238.2	232.7	5.49	43.406	
1,400.0	1,389.6	1,390.6	1,390.6	3.6	3.0	-173.62	70.0	-137.2	263.9	258.0	5.92	44.568	
1,500.0	1,485.3	1,496.0	1,496.0	4.2	3.2	-174.29	69.2	-135.8	291.5	285.2	6.35	45.909	
1,600.0	1,579.8	1,603.5	1,603.3	4.8	3.4	-175.00	66.6	-130.8	319.0	312.3	6.76	47.185	
1,700.0	1,673.2	1,712.1	1,711.5	5.5	3.7	-175.73	62.0	-122.2	346.3	339.1	7.18	48.198	
1,809.6	1,774.0	1,832.6	1,831.0	6.3	3.9	-176.56	54.7	-108.4	375.9	368.2	7.67	49.032	
1,900.0	1,856.4	1,933.5	1,930.4	7.1	4.2	-177.28	46.8	-93.4	398.7	390.5	8.14	48.963	
2,000.0	1,947.7	2,047.0	2,041.6	7.9	4.6	-178.09	35.9	-72.9	420.3	411.6	8.70	48.342	
2,100.0	2,038.9	2,162.3	2,153.4	8.7	5.0	-178.92	22.7	-48.1	438.2	428.9	9.28	47.231	
2,200.0	2,130.1	2,268.0	2,255.0	9.6	5.4	-179.69	9.1	-22.4	453.0	443.1	9.86	45.924	
2,300.0	2,221.3	2,366.8	2,349.8	10.5	5.9	179.62	-3.7	1.9	467.5	457.0	10.45	44.722	
2,400.0	2,312.5	2,465.6	2,444.7	11.3	6.3	178.98	-16.6	26.2	482.0	471.0	11.06	43.578	
2,500.0	2,403.7	2,564.4	2,539.6	12.2	6.8	178.37	-29.5	50.4	496.7	485.0	11.68	42.508	
2,600.0	2,495.0	2,663.2	2,634.5	13.1	7.4	177.80	-42.4	74.7	511.3	499.0	12.32	41.507	
2,700.0	2,586.2	2,762.0	2,729.4	14.0	7.9	177.26	-55.2	99.0	526.0	513.1	12.97	40.569	
2,800.0	2,677.4	2,860.7	2,824.3	14.8	8.4	176.75	-68.1	123.3	540.8	527.2	13.63	39.690	
2,900.0	2,768.6	2,959.5	2,919.2	15.7	8.9	176.26	-81.0	147.6	555.6	541.3	14.30	38.866	
3,000.0	2,859.8	3,058.3	3,014.1	16.6	9.5	175.80	-93.9	171.9	570.5	555.5	14.98	38.092	
3,100.0	2,951.0	3,157.1	3,109.0	17.5	10.0	175.37	-106.7	196.2	585.3	569.7	15.67	37.365	
3,200.0	3,042.3	3,255.9	3,203.8	18.4	10.6	174.95	-119.6	220.5	600.2	583.9	16.36	36.681	
3,300.0	3,133.5	3,354.7	3,298.7	19.3	11.2	174.56	-132.5	244.8	615.2	598.1	17.07	36.038	
3,400.0	3,224.7	3,453.5	3,393.6	20.1	11.7	174.19	-145.4	269.1	630.2	612.4	17.79	35.431	
3,500.0	3,315.9	3,552.3	3,488.5	21.0	12.3	173.83	-158.2	293.4	645.1	626.6	18.51	34.859	
3,600.0	3,407.1	3,651.1	3,583.4	21.9	12.9	173.49	-171.1	317.7	660.2	640.9	19.24	34.319	
3,700.0	3,498.4	3,749.9	3,678.3	22.8	13.4	173.16	-184.0	342.0	675.2	655.2	19.97	33.808	
3,800.0	3,589.6	3,848.7	3,773.2	23.7	14.0	172.85	-196.9	366.3	690.2	669.5	20.71	33.325	
3,900.0	3,680.8	3,947.5	3,868.1	24.6	14.6	172.55	-209.7	390.6	705.3	683.9	21.46	32.867	
4,000.0	3,772.0	4,046.2	3,963.0	25.5	15.1	172.26	-222.6	414.9	720.4	698.2	22.21	32.433	
4,100.0	3,863.2	4,145.0	4,057.8	26.4	15.7	171.99	-235.5	439.2	735.5	712.6	22.97	32.021	
4,200.0	3,954.4	4,243.8	4,152.7	27.3	16.3	171.72	-248.4	463.4	750.6	726.9	23.73	31.630	
4,300.0	4,045.7	4,342.6	4,247.6	28.2	16.9	171.47	-261.2	487.7	765.8	741.3	24.50	31.257	
4,400.0	4,136.9	4,441.4	4,342.5	29.0	17.5	171.23	-274.1	512.0	780.9	755.7	25.27	30.903	
4,500.0	4,228.1	4,540.2	4,437.4	29.9	18.0	170.99	-287.0	536.3	796.1	770.1	26.05	30.565	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-57.99	77.6	-124.1	146.4				
100.0	100.0	100.0	100.0	0.1	0.1	-57.99	77.6	-124.1	146.4	146.2	0.22	651.264	
200.0	200.0	200.0	200.0	0.3	0.3	-57.99	77.6	-124.1	146.4	145.7	0.67	217.088	
300.0	300.0	300.0	300.0	0.6	0.6	-57.99	77.6	-124.1	146.4	145.3	1.12	130.253	
400.0	400.0	400.0	400.0	0.8	0.8	-57.99	77.6	-124.1	146.4	144.8	1.57	93.038	
500.0	500.0	500.0	500.0	1.0	1.0	-57.99	77.6	-124.1	146.4	144.4	2.02	72.363	
600.0	600.0	600.0	600.0	1.2	1.2	-57.99	77.6	-124.1	146.4	143.9	2.47	59.206	CC, ES
700.0	700.0	700.0	700.0	1.4	1.5	-164.63	77.6	-124.1	148.1	145.2	2.91	50.951	
800.0	799.8	799.8	799.8	1.6	1.7	-165.12	77.6	-124.1	153.1	149.8	3.33	45.991	
900.0	899.5	899.5	899.5	1.9	1.9	-165.87	77.6	-124.1	161.6	157.8	3.76	42.994	
1,000.0	998.7	998.7	998.7	2.1	2.1	-166.80	77.6	-124.1	173.4	169.2	4.19	41.394	
1,100.0	1,097.5	1,097.5	1,097.5	2.4	2.4	-167.82	77.6	-124.1	188.7	184.1	4.62	40.817	
1,200.0	1,195.6	1,195.6	1,195.6	2.8	2.6	-168.86	77.6	-124.1	207.4	202.3	5.06	41.008	
1,300.0	1,293.1	1,301.1	1,301.1	3.2	2.8	-169.95	76.8	-122.5	227.9	222.4	5.48	41.560	
1,400.0	1,389.6	1,407.8	1,407.6	3.6	3.0	-171.03	74.2	-117.4	248.2	242.3	5.89	42.127	
1,500.0	1,485.3	1,515.4	1,514.7	4.2	3.2	-172.08	69.8	-108.6	268.3	261.9	6.31	42.506	
1,600.0	1,579.8	1,623.8	1,622.2	4.8	3.5	-173.14	63.6	-96.1	288.1	281.4	6.74	42.722	
1,700.0	1,673.2	1,733.0	1,730.0	5.5	3.8	-174.18	55.5	-79.9	307.8	300.6	7.19	42.790	
1,809.6	1,774.0	1,853.8	1,848.1	6.3	4.2	-175.34	44.4	-57.7	329.0	321.3	7.70	42.708	
1,900.0	1,856.4	1,954.4	1,945.7	7.1	4.5	-176.30	33.5	-35.8	344.9	336.7	8.21	42.015	
2,000.0	1,947.7	2,067.0	2,053.8	7.9	5.0	-177.35	19.4	-7.6	358.9	350.1	8.79	40.820	
2,100.0	2,038.9	2,166.4	2,148.7	8.7	5.5	-178.24	6.2	18.9	371.0	361.6	9.37	39.599	
2,200.0	2,130.1	2,265.5	2,243.2	9.6	6.1	-179.08	-7.0	45.4	383.2	373.2	9.98	38.413	
2,300.0	2,221.3	2,364.6	2,337.8	10.5	6.6	-179.86	-20.3	71.9	395.4	384.8	10.59	37.327	
2,400.0	2,312.5	2,463.7	2,432.4	11.3	7.2	179.40	-33.5	98.4	407.7	396.5	11.23	36.322	
2,500.0	2,403.7	2,562.8	2,527.0	12.2	7.7	178.71	-46.7	124.9	420.1	408.3	11.87	35.388	
2,600.0	2,495.0	2,661.9	2,621.6	13.1	8.3	178.05	-59.9	151.3	432.6	420.0	12.53	34.517	
2,700.0	2,586.2	2,761.0	2,716.1	14.0	8.9	177.44	-73.2	177.8	445.1	431.9	13.20	33.705	
2,800.0	2,677.4	2,860.1	2,810.7	14.8	9.5	176.85	-86.4	204.3	457.6	443.7	13.89	32.947	
2,900.0	2,768.6	2,959.2	2,905.3	15.7	10.1	176.30	-99.6	230.8	470.2	455.6	14.58	32.238	
3,000.0	2,859.8	3,058.3	2,999.9	16.6	10.7	175.78	-112.8	257.3	482.8	467.5	15.29	31.574	
3,100.0	2,951.0	3,157.4	3,094.5	17.5	11.3	175.28	-126.1	283.8	495.5	479.5	16.01	30.951	
3,200.0	3,042.3	3,256.5	3,189.0	18.4	11.9	174.81	-139.3	310.3	508.2	491.4	16.73	30.366	
3,300.0	3,133.5	3,355.6	3,283.6	19.3	12.5	174.36	-152.5	336.7	520.9	503.4	17.47	29.816	
3,400.0	3,224.7	3,454.7	3,378.2	20.1	13.1	173.93	-165.7	363.2	533.6	515.4	18.21	29.299	
3,500.0	3,315.9	3,553.8	3,472.8	21.0	13.8	173.52	-179.0	389.7	546.4	527.5	18.97	28.811	
3,600.0	3,407.1	3,653.0	3,567.4	21.9	14.4	173.13	-192.2	416.2	559.3	539.5	19.73	28.351	
3,700.0	3,498.4	3,752.1	3,661.9	22.8	15.0	172.76	-205.4	442.7	572.1	551.6	20.49	27.917	
3,800.0	3,589.6	3,851.2	3,756.5	23.7	15.6	172.40	-218.6	469.2	584.9	563.7	21.27	27.506	
3,900.0	3,680.8	3,950.3	3,851.1	24.6	16.3	172.06	-231.9	495.7	597.8	575.8	22.05	27.117	
4,000.0	3,772.0	4,049.4	3,945.7	25.5	16.9	171.74	-245.1	522.2	610.7	587.9	22.83	26.749	
4,100.0	3,863.2	4,148.5	4,040.3	26.4	17.5	171.43	-258.3	548.6	623.6	600.0	23.62	26.399	
4,200.0	3,954.4	4,247.6	4,134.9	27.3	18.1	171.13	-271.5	575.1	636.6	612.2	24.42	26.067	
4,300.0	4,045.7	4,346.7	4,229.4	28.2	18.8	170.84	-284.8	601.6	649.5	624.3	25.22	25.752	
4,400.0	4,136.9	4,445.8	4,324.0	29.0	19.4	170.56	-298.0	628.1	662.5	636.5	26.03	25.452	
4,500.0	4,228.1	4,544.9	4,418.6	29.9	20.0	170.30	-311.2	654.6	675.5	648.7	26.84	25.166	
4,600.0	4,319.3	4,644.0	4,513.2	30.8	20.6	170.04	-324.4	681.1	688.5	660.8	27.66	24.894	
4,700.0	4,410.5	4,743.1	4,607.8	31.7	21.3	169.79	-337.7	707.6	701.5	673.0	28.48	24.634	
4,800.0	4,501.7	4,842.2	4,702.3	32.6	21.9	169.56	-350.9	734.0	714.5	685.2	29.30	24.385	
4,900.0	4,593.0	4,941.3	4,796.9	33.5	22.5	169.33	-364.1	760.5	727.6	697.4	30.13	24.148	
5,000.0	4,684.2	5,040.4	4,891.5	34.4	23.2	169.11	-377.3	787.0	740.6	709.6	30.96	23.921	
5,100.0	4,775.4	5,139.5	4,986.1	35.3	23.8	168.89	-390.6	813.5	753.7	721.9	31.79	23.704	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	4,866.6	5,238.6	5,080.7	36.2	24.4	168.69	-403.8	840.0	766.7	734.1	32.63	23.496	
5,300.0	4,957.8	5,337.7	5,175.2	37.1	25.1	168.49	-417.0	866.5	779.8	746.3	33.47	23.297	
5,400.0	5,049.1	5,436.9	5,269.8	38.0	25.7	168.30	-430.2	893.0	792.9	758.6	34.32	23.106	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-52.55	85.3	-111.3	140.2				
100.0	100.0	100.0	100.0	0.1	0.1	-52.55	85.3	-111.3	140.2	140.0	0.22	623.856	
200.0	200.0	200.0	200.0	0.3	0.3	-52.55	85.3	-111.3	140.2	139.5	0.67	207.952	
300.0	300.0	300.0	300.0	0.6	0.6	-52.55	85.3	-111.3	140.2	139.1	1.12	124.771	
400.0	400.0	400.0	400.0	0.8	0.8	-52.55	85.3	-111.3	140.2	138.6	1.57	89.122	
500.0	500.0	500.0	500.0	1.0	1.0	-52.55	85.3	-111.3	140.2	138.2	2.02	69.317	
600.0	600.0	600.0	600.0	1.2	1.2	-52.55	85.3	-111.3	140.2	137.7	2.47	56.714	CC, ES
700.0	700.0	700.0	700.0	1.4	1.5	-159.26	85.3	-111.3	141.9	138.9	2.91	48.813	
800.0	799.8	799.8	799.8	1.6	1.7	-159.95	85.3	-111.3	146.8	143.4	3.33	44.077	
900.0	899.5	899.5	899.5	1.9	1.9	-161.00	85.3	-111.3	155.0	151.2	3.76	41.230	
1,000.0	998.7	998.7	998.7	2.1	2.1	-162.29	85.3	-111.3	166.6	162.4	4.19	39.732	
1,100.0	1,097.5	1,103.9	1,103.9	2.4	2.3	-163.71	84.5	-109.6	179.8	175.2	4.62	38.950	
1,200.0	1,195.6	1,209.8	1,209.6	2.8	2.6	-165.05	82.3	-104.3	192.8	187.8	5.03	38.367	
1,300.0	1,293.1	1,316.2	1,315.5	3.2	2.8	-166.33	78.4	-95.3	205.7	200.3	5.45	37.752	
1,400.0	1,389.6	1,423.2	1,421.6	3.6	3.0	-167.57	73.0	-82.6	218.4	212.5	5.88	37.108	
1,500.0	1,485.3	1,530.7	1,527.6	4.2	3.3	-168.78	66.1	-66.2	230.8	224.5	6.33	36.438	
1,600.0	1,579.8	1,638.7	1,633.4	4.8	3.7	-169.96	57.5	-46.1	243.0	236.2	6.80	35.744	
1,700.0	1,673.2	1,747.3	1,738.9	5.5	4.1	-171.12	47.3	-22.1	255.0	247.7	7.28	35.026	
1,809.6	1,774.0	1,867.0	1,853.8	6.3	4.7	-172.38	34.3	8.5	267.8	260.0	7.83	34.209	
1,900.0	1,856.4	1,966.2	1,948.0	7.1	5.2	-173.40	22.0	37.2	276.7	268.4	8.36	33.105	
2,000.0	1,947.7	2,069.4	2,045.0	7.9	5.8	-174.40	8.3	69.5	283.9	275.0	8.96	31.698	
2,100.0	2,038.9	2,169.1	2,138.6	8.7	6.5	-175.31	-5.1	101.0	291.0	281.4	9.56	30.429	
2,200.0	2,130.1	2,268.7	2,232.2	9.6	7.1	-176.18	-18.5	132.4	298.1	287.9	10.18	29.278	
2,300.0	2,221.3	2,368.4	2,325.8	10.5	7.8	-177.01	-31.9	163.9	305.3	294.4	10.81	28.234	
2,400.0	2,312.5	2,468.0	2,419.4	11.3	8.5	-177.80	-45.3	195.3	312.5	301.0	11.45	27.281	
2,500.0	2,403.7	2,567.7	2,513.0	12.2	9.2	-178.56	-58.7	226.8	319.8	307.7	12.11	26.408	
2,600.0	2,495.0	2,667.3	2,606.6	13.1	9.9	-179.28	-72.0	258.2	327.1	314.4	12.78	25.605	
2,700.0	2,586.2	2,766.9	2,700.2	14.0	10.6	-179.97	-85.4	289.7	334.5	321.1	13.45	24.865	
2,800.0	2,677.4	2,866.6	2,793.9	14.8	11.3	179.37	-98.8	321.1	342.0	327.8	14.14	24.178	
2,900.0	2,768.6	2,966.2	2,887.5	15.7	12.0	178.74	-112.2	352.5	349.5	334.6	14.85	23.541	
3,000.0	2,859.8	3,065.9	2,981.1	16.6	12.7	178.14	-125.6	384.0	357.0	341.4	15.56	22.947	
3,100.0	2,951.0	3,165.5	3,074.7	17.5	13.4	177.56	-139.0	415.4	364.6	348.3	16.28	22.393	
3,200.0	3,042.3	3,265.2	3,168.3	18.4	14.1	177.00	-152.4	446.9	372.2	355.1	17.01	21.874	
3,300.0	3,133.5	3,364.8	3,261.9	19.3	14.8	176.47	-165.7	478.3	379.8	362.0	17.76	21.388	
3,400.0	3,224.7	3,464.5	3,355.5	20.1	15.6	175.95	-179.1	509.8	387.5	369.0	18.51	20.931	
3,500.0	3,315.9	3,564.1	3,449.1	21.0	16.3	175.46	-192.5	541.2	395.2	375.9	19.27	20.501	
3,600.0	3,407.1	3,663.8	3,542.7	21.9	17.0	174.99	-205.9	572.7	402.9	382.8	20.05	20.096	
3,700.0	3,498.4	3,763.4	3,636.3	22.8	17.7	174.53	-219.3	604.1	410.6	389.8	20.83	19.714	
3,800.0	3,589.6	3,863.1	3,729.9	23.7	18.5	174.09	-232.7	635.5	418.4	396.8	21.62	19.352	
3,900.0	3,680.8	3,962.7	3,823.5	24.6	19.2	173.67	-246.0	667.0	426.2	403.8	22.42	19.010	
4,000.0	3,772.0	4,062.4	3,917.1	25.5	19.9	173.26	-259.4	698.4	434.0	410.8	23.23	18.686	
4,100.0	3,863.2	4,162.0	4,010.7	26.4	20.6	172.86	-272.8	729.9	441.9	417.8	24.04	18.378	
4,200.0	3,954.4	4,261.6	4,104.3	27.3	21.4	172.48	-286.2	761.3	449.7	424.9	24.87	18.086	
4,300.0	4,045.7	4,361.3	4,197.9	28.2	22.1	172.12	-299.6	792.8	457.6	431.9	25.70	17.809	
4,400.0	4,136.9	4,460.9	4,291.5	29.0	22.8	171.76	-313.0	824.2	465.5	439.0	26.53	17.545	
4,500.0	4,228.1	4,560.6	4,385.1	29.9	23.6	171.42	-326.4	855.7	473.4	446.1	27.38	17.293	
4,600.0	4,319.3	4,660.2	4,478.7	30.8	24.3	171.09	-339.7	887.1	481.4	453.1	28.23	17.053	
4,700.0	4,410.5	4,759.9	4,572.3	31.7	25.0	170.77	-353.1	918.5	489.3	460.2	29.08	16.825	
4,800.0	4,501.7	4,859.5	4,665.9	32.6	25.8	170.46	-366.5	950.0	497.3	467.3	29.95	16.606	
4,900.0	4,593.0	4,959.2	4,759.5	33.5	26.5	170.16	-379.9	981.4	505.3	474.4	30.81	16.397	
5,000.0	4,684.2	5,058.8	4,853.1	34.4	27.2	169.87	-393.3	1,012.9	513.2	481.6	31.69	16.198	
5,100.0	4,775.4	5,158.5	4,946.7	35.3	27.9	169.58	-406.7	1,044.3	521.2	488.7	32.57	16.006	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	4,866.6	5,258.1	5,040.3	36.2	28.7	169.31	-420.1	1,075.8	529.3	495.8	33.45	15.823	
5,300.0	4,957.8	5,357.8	5,133.9	37.1	29.4	169.04	-433.4	1,107.2	537.3	503.0	34.34	15.648	
5,400.0	5,049.1	5,457.4	5,227.5	38.0	30.1	168.79	-446.8	1,138.7	545.3	510.1	35.23	15.479	
5,500.0	5,140.3	5,557.1	5,321.1	38.9	30.9	168.54	-460.2	1,170.1	553.4	517.3	36.13	15.318	
5,600.0	5,231.5	5,656.7	5,414.7	39.8	31.6	168.29	-473.6	1,201.5	561.4	524.4	37.03	15.162	
5,700.0	5,322.7	5,756.4	5,508.3	40.6	32.3	168.06	-487.0	1,233.0	569.5	531.6	37.93	15.013	
5,800.0	5,413.9	5,856.0	5,601.9	41.5	33.1	167.83	-500.4	1,264.4	577.6	538.7	38.84	14.870	
5,900.0	5,505.1	5,955.6	5,695.6	42.4	33.8	167.60	-513.8	1,295.9	585.7	545.9	39.76	14.732	
6,000.0	5,596.4	6,055.3	5,789.2	43.3	34.5	167.39	-527.1	1,327.3	593.8	553.1	40.67	14.599	
6,100.0	5,687.6	6,154.9	5,882.8	44.2	35.3	167.17	-540.5	1,358.8	601.9	560.3	41.59	14.470	
6,200.0	5,778.8	6,254.6	5,976.4	45.1	36.0	166.97	-553.9	1,390.2	610.0	567.5	42.52	14.347	
6,300.0	5,870.0	6,354.2	6,070.0	46.0	36.7	166.77	-567.3	1,421.7	618.1	574.7	43.44	14.228	
6,400.0	5,961.2	6,453.9	6,163.6	46.9	37.5	166.57	-580.7	1,453.1	626.2	581.9	44.37	14.113	
6,500.0	6,052.4	6,551.1	6,255.2	47.8	38.1	166.65	-590.8	1,483.9	634.5	589.4	45.07	14.077	SF
6,600.0	6,143.7	6,645.3	6,344.4	48.7	38.6	167.79	-588.8	1,513.8	643.5	598.4	45.01	14.297	
6,700.0	6,234.9	6,734.6	6,428.1	49.6	39.0	169.82	-575.4	1,541.8	653.9	609.5	44.37	14.735	
6,800.0	6,326.1	6,816.9	6,503.3	50.5	39.2	172.45	-553.5	1,566.9	667.0	623.4	43.55	15.316	
6,877.2	6,396.5	6,875.0	6,554.7	51.2	39.4	174.70	-532.6	1,584.0	679.8	636.8	43.00	15.809	
6,900.0	6,417.3	6,891.3	6,568.9	51.4	39.5	179.70	-526.0	1,588.8	684.1	641.3	42.79	15.986	
6,950.0	6,463.2	6,926.7	6,599.0	51.7	39.5	-169.01	-510.4	1,598.8	693.9	651.4	42.51	16.322	
7,000.0	6,509.1	6,961.6	6,628.0	52.1	39.6	-157.68	-493.5	1,608.4	704.1	661.7	42.47	16.578	
7,050.0	6,554.9	7,000.0	6,658.9	52.4	39.7	-146.68	-473.3	1,618.7	714.7	672.1	42.64	16.760	
7,100.0	6,600.2	7,030.0	6,682.4	52.7	39.7	-136.81	-456.2	1,626.5	725.4	682.5	42.94	16.894	
7,150.0	6,644.9	7,063.6	6,707.8	53.0	39.7	-127.91	-435.9	1,635.0	736.3	692.9	43.33	16.992	
7,200.0	6,688.8	7,100.0	6,734.3	53.2	39.8	-120.06	-412.6	1,643.7	747.0	703.3	43.76	17.071	
7,250.0	6,731.7	7,129.9	6,755.2	53.5	39.8	-113.43	-392.4	1,650.7	757.6	713.5	44.11	17.177	
7,300.0	6,773.3	7,162.6	6,777.1	53.7	39.8	-107.66	-369.2	1,657.9	767.9	723.5	44.39	17.299	
7,350.0	6,813.4	7,200.0	6,800.9	53.9	39.8	-102.62	-341.5	1,665.8	777.9	733.3	44.60	17.442	
7,400.0	6,851.9	7,227.4	6,817.4	54.1	39.8	-98.46	-320.3	1,671.2	787.3	742.8	44.59	17.658	
7,450.0	6,888.6	7,259.5	6,835.8	54.2	39.8	-94.81	-294.7	1,677.3	796.3	751.9	44.47	17.906	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-46.68	92.9	-98.5	135.4				
100.0	100.0	100.0	100.0	0.1	0.1	-46.68	92.9	-98.5	135.4	135.2	0.22	602.448	
200.0	200.0	200.0	200.0	0.3	0.3	-46.68	92.9	-98.5	135.4	134.7	0.67	200.816	
300.0	300.0	300.0	300.0	0.6	0.6	-46.68	92.9	-98.5	135.4	134.3	1.12	120.490	
400.0	400.0	400.0	400.0	0.8	0.8	-46.68	92.9	-98.5	135.4	133.8	1.57	86.064	
500.0	500.0	500.0	500.0	1.0	1.0	-46.68	92.9	-98.5	135.4	133.4	2.02	66.939	
600.0	600.0	600.0	600.0	1.2	1.2	-46.68	92.9	-98.5	135.4	132.9	2.47	54.768	CC, ES
700.0	700.0	700.0	700.0	1.4	1.5	-153.47	92.9	-98.5	137.0	134.1	2.91	47.133	
800.0	799.8	799.8	799.8	1.6	1.7	-154.37	92.9	-98.5	141.7	138.3	3.33	42.545	
900.0	899.5	904.5	904.5	1.9	1.9	-155.58	92.2	-96.7	147.9	144.1	3.75	39.448	
1,000.0	998.7	1,009.5	1,009.4	2.1	2.1	-156.78	90.2	-91.4	153.9	149.7	4.16	36.995	
1,100.0	1,097.5	1,114.8	1,114.2	2.4	2.3	-157.96	86.7	-82.4	159.7	155.1	4.59	34.821	
1,200.0	1,195.6	1,220.3	1,218.8	2.8	2.6	-159.14	81.9	-69.8	165.3	160.2	5.03	32.868	
1,300.0	1,293.1	1,326.1	1,323.1	3.2	2.9	-160.32	75.7	-53.5	170.7	165.2	5.49	31.092	
1,400.0	1,389.6	1,432.1	1,427.0	3.6	3.3	-161.49	68.1	-33.7	175.9	169.9	5.97	29.463	
1,500.0	1,485.3	1,538.3	1,530.2	4.2	3.7	-162.68	59.1	-10.2	180.8	174.4	6.47	27.959	
1,600.0	1,579.8	1,644.8	1,632.6	4.8	4.2	-163.86	48.7	17.0	185.6	178.6	6.99	26.563	
1,700.0	1,673.2	1,751.5	1,734.1	5.5	4.8	-165.06	36.9	47.7	190.1	182.6	7.53	25.249	
1,809.6	1,774.0	1,868.7	1,844.1	6.3	5.5	-166.39	22.5	85.5	194.9	186.7	8.13	23.965	
1,900.0	1,856.4	1,962.3	1,930.8	7.1	6.2	-167.41	9.9	118.4	197.6	188.9	8.70	22.711	
2,000.0	1,947.7	2,062.2	2,023.2	7.9	6.9	-168.44	-3.7	153.9	200.2	190.9	9.33	21.457	
2,100.0	2,038.9	2,162.1	2,115.6	8.7	7.7	-169.45	-17.3	189.4	202.9	192.9	9.96	20.363	
2,200.0	2,130.1	2,262.0	2,208.0	9.6	8.5	-170.43	-30.8	224.9	205.6	195.0	10.60	19.400	
2,300.0	2,221.3	2,361.9	2,300.3	10.5	9.3	-171.38	-44.4	260.4	208.4	197.2	11.24	18.545	
2,400.0	2,312.5	2,461.8	2,392.7	11.3	10.0	-172.31	-58.0	295.8	211.3	199.4	11.88	17.781	
2,500.0	2,403.7	2,561.7	2,485.1	12.2	10.8	-173.22	-71.6	331.3	214.2	201.6	12.53	17.093	
2,600.0	2,495.0	2,661.6	2,577.5	13.1	11.6	-174.10	-85.2	366.8	217.1	203.9	13.18	16.469	
2,700.0	2,586.2	2,761.5	2,669.9	14.0	12.4	-174.95	-98.7	402.3	220.1	206.3	13.85	15.900	
2,800.0	2,677.4	2,861.4	2,762.3	14.8	13.2	-175.78	-112.3	437.8	223.2	208.7	14.51	15.377	
2,900.0	2,768.6	2,961.3	2,854.7	15.7	14.0	-176.59	-125.9	473.3	226.3	211.1	15.19	14.894	
3,000.0	2,859.8	3,061.2	2,947.1	16.6	14.8	-177.38	-139.5	508.8	229.4	213.6	15.88	14.446	
3,100.0	2,951.0	3,161.1	3,039.5	17.5	15.6	-178.15	-153.1	544.3	232.6	216.0	16.58	14.029	
3,200.0	3,042.3	3,261.0	3,131.9	18.4	16.5	-178.89	-166.6	579.8	235.9	218.6	17.29	13.638	
3,300.0	3,133.5	3,360.9	3,224.3	19.3	17.3	-179.62	-180.2	615.3	239.1	221.1	18.02	13.272	
3,400.0	3,224.7	3,460.8	3,316.6	20.1	18.1	179.68	-193.8	650.8	242.4	223.7	18.75	12.927	
3,500.0	3,315.9	3,560.7	3,409.0	21.0	18.9	178.99	-207.4	686.3	245.8	226.3	19.50	12.601	
3,600.0	3,407.1	3,660.6	3,501.4	21.9	19.7	178.32	-221.0	721.8	249.2	228.9	20.27	12.293	
3,700.0	3,498.4	3,760.5	3,593.8	22.8	20.5	177.67	-234.5	757.3	252.6	231.5	21.04	12.001	
3,800.0	3,589.6	3,860.4	3,686.2	23.7	21.3	177.04	-248.1	792.8	256.0	234.2	21.84	11.724	
3,900.0	3,680.8	3,960.3	3,778.6	24.6	22.2	176.42	-261.7	828.2	259.5	236.8	22.64	11.460	
4,000.0	3,772.0	4,060.2	3,871.0	25.5	23.0	175.82	-275.3	863.7	263.0	239.5	23.46	11.209	
4,100.0	3,863.2	4,160.1	3,963.4	26.4	23.8	175.24	-288.9	899.2	266.5	242.2	24.29	10.970	
4,200.0	3,954.4	4,260.0	4,055.8	27.3	24.6	174.67	-302.4	934.7	270.1	244.9	25.14	10.742	
4,300.0	4,045.7	4,359.9	4,148.2	28.2	25.4	174.12	-316.0	970.2	273.6	247.6	26.00	10.525	
4,400.0	4,136.9	4,459.8	4,240.6	29.0	26.2	173.58	-329.6	1,005.7	277.2	250.4	26.87	10.317	
4,500.0	4,228.1	4,559.7	4,332.9	29.9	27.1	173.05	-343.2	1,041.2	280.9	253.1	27.76	10.118	
4,600.0	4,319.3	4,659.6	4,425.3	30.8	27.9	172.54	-356.8	1,076.7	284.5	255.9	28.66	9.928	
4,700.0	4,410.5	4,759.5	4,517.7	31.7	28.7	172.04	-370.3	1,112.2	288.2	258.6	29.57	9.746	
4,800.0	4,501.7	4,859.4	4,610.1	32.6	29.5	171.56	-383.9	1,147.7	291.9	261.4	30.50	9.572	
4,900.0	4,593.0	4,959.3	4,702.5	33.5	30.3	171.08	-397.5	1,183.2	295.6	264.2	31.43	9.405	
5,000.0	4,684.2	5,059.2	4,794.9	34.4	31.2	170.62	-411.1	1,218.7	299.3	267.0	32.38	9.245	
5,100.0	4,775.4	5,159.1	4,887.3	35.3	32.0	170.17	-424.7	1,254.2	303.1	269.8	33.34	9.092	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	4,866.6	5,259.0	4,979.7	36.2	32.8	169.73	-438.2	1,289.7	306.9	272.6	34.31	8.945	
5,300.0	4,957.8	5,358.9	5,072.1	37.1	33.6	169.30	-451.8	1,325.1	310.7	275.4	35.29	8.803	
5,400.0	5,049.1	5,458.8	5,164.5	38.0	34.4	168.88	-465.4	1,360.6	314.5	278.2	36.28	8.668	
5,500.0	5,140.3	5,558.7	5,256.9	38.9	35.3	168.47	-479.0	1,396.1	318.3	281.0	37.28	8.538	
5,600.0	5,231.5	5,658.6	5,349.2	39.8	36.1	168.07	-492.6	1,431.6	322.1	283.9	38.29	8.413	
5,700.0	5,322.7	5,758.5	5,441.6	40.6	36.9	167.68	-506.2	1,467.1	326.0	286.7	39.31	8.293	
5,800.0	5,413.9	5,858.4	5,534.0	41.5	37.7	167.30	-519.7	1,502.6	329.9	289.5	40.34	8.177	
5,900.0	5,505.1	5,958.3	5,626.4	42.4	38.6	166.93	-533.3	1,538.1	333.8	292.4	41.38	8.066	
6,000.0	5,596.4	6,058.2	5,718.8	43.3	39.4	166.57	-546.9	1,573.6	337.7	295.2	42.42	7.959	
6,100.0	5,687.6	6,158.1	5,811.2	44.2	40.2	166.21	-560.5	1,609.1	341.6	298.1	43.48	7.856	
6,200.0	5,778.8	6,258.0	5,903.6	45.1	41.0	165.87	-574.1	1,644.6	345.5	300.9	44.54	7.757	
6,300.0	5,870.0	6,357.9	5,996.0	46.0	41.8	165.53	-587.6	1,680.1	349.4	303.8	45.61	7.661	
6,400.0	5,961.2	6,457.8	6,088.4	46.9	42.7	165.20	-601.2	1,715.6	353.4	306.7	46.69	7.569	
6,500.0	6,052.4	6,557.7	6,180.8	47.8	43.5	164.87	-614.8	1,751.1	357.3	309.6	47.77	7.480	
6,600.0	6,143.7	6,657.3	6,273.3	48.7	44.2	165.15	-624.6	1,786.6	361.3	313.0	48.35	7.473	
6,700.0	6,234.9	6,754.6	6,364.0	49.6	44.8	167.44	-621.3	1,821.4	365.8	318.4	47.43	7.713	
6,800.0	6,326.1	6,846.4	6,448.4	50.5	45.2	171.36	-606.1	1,853.8	372.2	326.6	45.63	8.157	
6,877.2	6,396.5	6,912.0	6,507.3	51.2	45.5	175.11	-588.2	1,876.3	380.1	335.8	44.37	8.567	
6,900.0	6,417.3	6,930.6	6,523.7	51.4	45.6	-179.52	-582.1	1,882.6	383.1	339.0	44.06	8.694	
6,950.0	6,463.2	6,970.7	6,558.5	51.7	45.7	-167.47	-567.4	1,895.9	390.2	346.4	43.74	8.919	
7,000.0	6,509.1	7,010.0	6,591.9	52.1	45.8	-155.44	-550.9	1,908.7	398.0	354.1	43.88	9.069	
7,050.0	6,554.9	7,050.0	6,624.9	52.4	46.0	-143.88	-532.2	1,921.3	406.4	362.0	44.39	9.155	
7,100.0	6,600.2	7,086.9	6,654.5	52.7	46.0	-133.38	-513.3	1,932.6	415.2	370.1	45.09	9.209	
7,150.0	6,644.9	7,124.5	6,683.6	53.0	46.1	-123.97	-492.3	1,943.7	424.3	378.4	45.89	9.246	
7,200.0	6,688.8	7,161.6	6,711.3	53.2	46.2	-115.76	-470.0	1,954.3	433.5	386.8	46.65	9.292	
7,250.0	6,731.7	7,200.0	6,738.8	53.5	46.3	-108.61	-445.3	1,964.8	442.7	395.4	47.31	9.357	
7,300.0	6,773.3	7,234.6	6,762.5	53.7	46.3	-102.56	-421.8	1,973.9	451.7	404.0	47.71	9.469	
7,350.0	6,813.4	7,270.6	6,786.0	53.9	46.3	-97.32	-396.1	1,982.8	460.6	412.7	47.89	9.617	
7,400.0	6,851.9	7,300.0	6,804.3	54.1	46.4	-92.97	-374.1	1,989.8	469.2	421.5	47.71	9.834	
7,450.0	6,888.6	7,341.6	6,828.7	54.2	46.4	-88.94	-341.7	1,999.1	477.2	429.8	47.45	10.058	
7,500.0	6,923.2	7,376.8	6,847.9	54.3	46.4	-85.61	-313.2	2,006.4	484.9	438.0	46.84	10.352	
7,550.0	6,955.7	7,411.7	6,865.7	54.4	46.4	-82.75	-283.9	2,013.1	492.0	446.0	46.01	10.693	
7,600.0	6,985.8	7,450.0	6,883.6	54.5	46.4	-80.25	-250.7	2,019.9	498.5	453.5	45.03	11.072	
7,650.0	7,013.4	7,481.0	6,896.9	54.6	46.4	-78.21	-223.1	2,024.9	504.4	460.5	43.88	11.495	
7,700.0	7,038.3	7,515.5	6,910.3	54.6	46.4	-76.44	-191.8	2,030.0	509.5	466.8	42.70	11.933	
7,750.0	7,060.6	7,550.0	6,922.4	54.7	46.4	-74.97	-159.8	2,034.6	514.0	472.4	41.56	12.369	
7,800.0	7,079.9	7,584.0	6,932.8	54.7	46.3	-73.77	-127.7	2,038.5	517.7	477.2	40.54	12.771	
7,850.0	7,096.3	7,618.2	6,941.9	54.7	46.3	-72.82	-94.9	2,041.9	520.6	480.9	39.72	13.107	
7,900.0	7,109.7	7,650.0	6,949.0	54.7	46.3	-72.10	-64.0	2,044.5	522.7	483.6	39.18	13.342	
7,950.0	7,120.0	7,686.3	6,955.5	54.7	46.3	-71.60	-28.4	2,047.0	524.1	485.0	39.03	13.427	
8,000.0	7,127.2	7,720.4	6,960.1	54.7	46.2	-71.32	5.3	2,048.6	524.6	485.3	39.28	13.356	
8,050.0	7,131.1	7,750.0	6,962.9	54.6	46.2	-71.24	34.8	2,049.6	524.3	484.3	39.93	13.131	
8,086.9	7,132.0	7,779.5	6,964.5	54.6	46.1	-71.33	64.2	2,050.2	523.5	482.8	40.71	12.859	
8,100.0	7,132.0	7,788.5	6,964.8	54.6	46.1	-71.36	73.2	2,050.3	523.2	482.4	40.77	12.833	
8,137.9	7,132.0	7,816.0	6,965.0	54.5	46.1	-71.37	100.7	2,050.3	522.9	482.0	40.93	12.775	
8,200.0	7,132.0	7,878.0	6,964.7	54.5	46.0	-71.34	162.7	2,050.0	523.0	481.8	41.23	12.683	
8,300.0	7,132.0	7,978.0	6,964.2	54.5	45.9	-71.29	262.7	2,049.6	523.1	481.2	41.94	12.474	
8,400.0	7,132.0	8,078.0	6,963.7	54.5	45.9	-71.24	362.7	2,049.1	523.3	480.3	42.93	12.189	
8,500.0	7,132.0	8,178.0	6,963.2	54.5	45.9	-71.19	462.7	2,048.7	523.4	479.2	44.20	11.841	
8,600.0	7,132.0	8,278.0	6,962.7	54.6	46.0	-71.14	562.7	2,048.2	523.6	477.8	45.73	11.448	
8,700.0	7,132.0	8,378.0	6,962.2	54.7	46.1	-71.08	662.7	2,047.8	523.7	476.2	47.49	11.027	
8,800.0	7,132.0	8,478.0	6,961.7	54.9	46.3	-71.03	762.7	2,047.4	523.8	474.4	49.46	10.591	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.0	7,132.0	8,578.0	6,961.3	55.1	46.5	-70.98	862.7	2,046.9	524.0	472.4	51.62	10.152	
9,000.0	7,132.0	8,678.0	6,960.8	55.4	46.8	-70.93	962.7	2,046.5	524.1	470.2	53.93	9.719	
9,100.0	7,132.0	8,778.0	6,960.3	55.8	47.2	-70.88	1,062.7	2,046.1	524.3	467.9	56.38	9.298	
9,200.0	7,132.0	8,878.0	6,959.8	56.2	47.7	-70.83	1,162.7	2,045.6	524.4	465.5	58.96	8.894	
9,300.0	7,132.0	8,978.0	6,959.3	56.6	48.3	-70.78	1,262.7	2,045.2	524.6	462.9	61.64	8.510	
9,400.0	7,132.0	9,078.0	6,958.8	57.2	49.0	-70.73	1,362.7	2,044.8	524.7	460.3	64.42	8.145	
9,500.0	7,132.0	9,178.0	6,958.3	57.8	49.8	-70.68	1,462.7	2,044.3	524.9	457.6	67.28	7.801	
9,600.0	7,132.0	9,278.0	6,957.8	58.4	50.6	-70.62	1,562.7	2,043.9	525.0	454.8	70.21	7.478	
9,700.0	7,132.0	9,378.0	6,957.3	59.2	51.6	-70.57	1,662.7	2,043.4	525.1	451.9	73.20	7.174	
9,800.0	7,132.0	9,478.0	6,956.9	60.0	52.6	-70.52	1,762.7	2,043.0	525.3	449.0	76.25	6.889	
9,900.0	7,132.0	9,578.0	6,956.4	60.9	53.7	-70.47	1,862.7	2,042.6	525.4	446.1	79.34	6.623	
10,000.0	7,132.0	9,678.0	6,955.9	61.8	54.8	-70.42	1,962.7	2,042.1	525.6	443.1	82.48	6.372	
10,100.0	7,132.0	9,778.0	6,955.4	62.8	56.1	-70.37	2,062.7	2,041.7	525.7	440.1	85.65	6.138	
10,200.0	7,132.0	9,878.0	6,954.9	63.9	57.4	-70.32	2,162.7	2,041.3	525.9	437.0	88.86	5.918	
10,300.0	7,132.0	9,978.0	6,954.4	65.0	58.7	-70.27	2,262.7	2,040.8	526.0	433.9	92.10	5.712	
10,400.0	7,132.0	10,078.0	6,953.9	66.2	60.1	-70.22	2,362.7	2,040.4	526.2	430.8	95.36	5.518	
10,500.0	7,132.0	10,178.0	6,953.4	67.5	61.5	-70.17	2,462.7	2,040.0	526.3	427.7	98.65	5.335	
10,600.0	7,132.0	10,278.0	6,952.9	68.8	63.0	-70.12	2,562.7	2,039.5	526.5	424.5	101.95	5.164	
10,700.0	7,132.0	10,378.0	6,952.5	70.1	64.5	-70.07	2,662.7	2,039.1	526.6	421.3	105.28	5.002	
10,800.0	7,132.0	10,478.0	6,952.0	71.5	66.0	-70.02	2,762.7	2,038.6	526.8	418.1	108.62	4.850	
10,900.0	7,132.0	10,578.0	6,951.5	72.9	67.6	-69.96	2,862.7	2,038.2	526.9	414.9	111.98	4.705	
11,000.0	7,132.0	10,678.0	6,951.0	74.3	69.1	-69.91	2,962.7	2,037.8	527.1	411.7	115.36	4.569	
11,100.0	7,132.0	10,778.0	6,950.5	75.8	70.7	-69.86	3,062.7	2,037.3	527.2	408.5	118.74	4.440	
11,200.0	7,132.0	10,878.0	6,950.0	77.3	72.3	-69.81	3,162.6	2,036.9	527.4	405.2	122.14	4.318	
11,300.0	7,132.0	10,978.0	6,949.5	78.8	74.0	-69.76	3,262.6	2,036.5	527.5	402.0	125.54	4.202	
11,400.0	7,132.0	11,078.0	6,949.0	80.3	75.6	-69.71	3,362.6	2,036.0	527.7	398.7	128.96	4.092	
11,500.0	7,132.0	11,178.0	6,948.5	81.9	77.3	-69.66	3,462.6	2,035.6	527.8	395.5	132.38	3.987	
11,600.0	7,132.0	11,278.0	6,948.1	83.5	79.0	-69.61	3,562.6	2,035.2	528.0	392.2	135.81	3.888	
11,700.0	7,132.0	11,378.0	6,947.6	85.1	80.7	-69.56	3,662.6	2,034.7	528.1	388.9	139.24	3.793	
11,800.0	7,132.0	11,478.0	6,947.1	86.7	82.4	-69.51	3,762.6	2,034.3	528.3	385.6	142.69	3.703	
11,900.0	7,132.0	11,578.0	6,946.6	88.3	84.1	-69.46	3,862.6	2,033.8	528.5	382.3	146.14	3.616	
12,000.0	7,132.0	11,678.0	6,946.1	90.0	85.8	-69.41	3,962.6	2,033.4	528.6	379.0	149.59	3.534	
12,100.0	7,132.0	11,778.0	6,945.6	91.6	87.5	-69.36	4,062.6	2,033.0	528.8	375.7	153.05	3.455	
12,152.4	7,132.0	11,830.4	6,945.4	92.5	88.5	-69.33	4,115.0	2,032.7	528.8	374.0	154.86	3.415 SF	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-40.35	100.6	-85.4	131.9				
100.0	100.0	100.0	100.0	0.1	0.1	-40.35	100.6	-85.4	131.9	131.7	0.22	587.048	
200.0	200.0	200.0	200.0	0.3	0.3	-40.35	100.6	-85.4	131.9	131.3	0.67	195.683	
300.0	300.0	300.0	300.0	0.6	0.6	-40.35	100.6	-85.4	131.9	130.8	1.12	117.410	
400.0	400.0	400.0	400.0	0.8	0.8	-40.35	100.6	-85.4	131.9	130.4	1.57	83.864	
500.0	500.0	500.0	500.0	1.0	1.0	-40.35	100.6	-85.4	131.9	129.9	2.02	65.228	
600.0	600.0	600.0	600.0	1.2	1.2	-40.35	100.6	-85.4	131.9	129.5	2.47	53.368	
700.0	700.0	704.2	704.1	1.4	1.5	-146.85	99.9	-83.7	131.8	128.9	2.90	45.526	
800.0	799.8	808.3	808.1	1.6	1.7	-146.92	98.0	-78.3	131.5	128.2	3.30	39.838	
900.0	899.5	912.5	911.8	1.9	1.9	-147.04	94.8	-69.4	130.9	127.2	3.73	35.137	
1,000.0	998.7	1,016.6	1,015.1	2.1	2.2	-147.21	90.3	-57.0	130.1	125.9	4.18	31.159	
1,100.0	1,097.5	1,120.7	1,117.8	2.4	2.5	-147.43	84.6	-41.0	129.1	124.4	4.66	27.722	
1,200.0	1,195.6	1,224.7	1,219.8	2.8	2.9	-147.71	77.6	-21.6	127.8	122.6	5.17	24.707	
1,300.0	1,293.1	1,328.8	1,320.9	3.2	3.3	-148.04	69.3	1.3	126.3	120.6	5.73	22.034	
1,400.0	1,389.6	1,432.7	1,421.1	3.6	3.8	-148.43	59.9	27.6	124.6	118.3	6.34	19.652	
1,500.0	1,485.3	1,536.7	1,520.1	4.2	4.4	-148.88	49.2	57.4	122.7	115.7	7.00	17.525	
1,600.0	1,579.8	1,640.6	1,617.8	4.8	5.1	-149.40	37.3	90.4	120.6	112.9	7.71	15.639	
1,700.0	1,673.2	1,744.4	1,714.2	5.5	5.8	-149.99	24.2	126.8	118.3	109.8	8.48	13.952	
1,809.6	1,774.0	1,856.3	1,816.6	6.3	6.7	-150.81	8.9	169.3	115.9	106.6	9.35	12.395	
1,900.0	1,856.4	1,946.6	1,899.0	7.1	7.4	-151.77	-3.6	204.1	115.0	104.9	10.09	11.391	
2,000.0	1,947.7	2,046.6	1,990.2	7.9	8.3	-152.85	-17.5	242.5	114.0	103.1	10.90	10.456	
2,100.0	2,038.9	2,146.6	2,081.4	8.7	9.1	-153.95	-31.3	281.0	113.0	101.4	11.69	9.670	
2,200.0	2,130.1	2,246.5	2,172.7	9.6	10.0	-155.07	-45.2	319.5	112.1	99.7	12.46	9.003	
2,300.0	2,221.3	2,346.5	2,263.9	10.5	10.9	-156.20	-59.0	358.0	111.3	98.1	13.19	8.434	
2,400.0	2,312.5	2,446.5	2,355.1	11.3	11.7	-157.35	-72.9	396.5	110.5	96.6	13.91	7.943	
2,500.0	2,403.7	2,546.5	2,446.3	12.2	12.6	-158.52	-86.7	435.0	109.7	95.1	14.59	7.517	
2,600.0	2,495.0	2,646.4	2,537.5	13.1	13.5	-159.71	-100.6	473.5	109.0	93.7	15.25	7.145	
2,700.0	2,586.2	2,746.4	2,628.8	14.0	14.4	-160.91	-114.4	512.0	108.3	92.4	15.88	6.817	
2,800.0	2,677.4	2,846.4	2,720.0	14.8	15.2	-162.12	-128.3	550.5	107.7	91.2	16.50	6.527	
2,900.0	2,768.6	2,946.3	2,811.2	15.7	16.1	-163.35	-142.1	589.0	107.1	90.0	17.09	6.267	
3,000.0	2,859.8	3,046.3	2,902.4	16.6	17.0	-164.59	-156.0	627.5	106.5	88.9	17.66	6.033	
3,100.0	2,951.0	3,146.3	2,993.6	17.5	17.9	-165.84	-169.8	666.0	106.1	87.8	18.22	5.821	
3,200.0	3,042.3	3,246.3	3,084.9	18.4	18.8	-167.10	-183.7	704.5	105.6	86.9	18.77	5.627	
3,300.0	3,133.5	3,346.2	3,176.1	19.3	19.6	-168.38	-197.5	743.0	105.3	85.9	19.32	5.447	
3,400.0	3,224.7	3,446.2	3,267.3	20.1	20.5	-169.66	-211.4	781.4	104.9	85.1	19.87	5.280	
3,500.0	3,315.9	3,546.2	3,358.5	21.0	21.4	-170.95	-225.2	819.9	104.7	84.2	20.43	5.122	
3,600.0	3,407.1	3,646.1	3,449.7	21.9	22.3	-172.24	-239.1	858.4	104.4	83.4	21.01	4.971	
3,700.0	3,498.4	3,746.1	3,540.9	22.8	23.2	-173.54	-252.9	896.9	104.3	82.7	21.60	4.827	
3,800.0	3,589.6	3,846.1	3,632.2	23.7	24.1	-174.85	-266.8	935.4	104.2	81.9	22.23	4.686	
3,900.0	3,680.8	3,946.1	3,723.4	24.6	25.0	-176.15	-280.6	973.9	104.1	81.2	22.88	4.549	
3,957.1	3,732.9	4,003.2	3,775.5	25.1	25.5	-176.90	-288.5	995.9	104.1	80.8	23.28	4.472	CC
4,000.0	3,772.0	4,046.0	3,814.6	25.5	25.9	-177.46	-294.5	1,012.4	104.1	80.5	23.58	4.415	
4,100.0	3,863.2	4,146.0	3,905.8	26.4	26.7	-178.76	-308.3	1,050.9	104.2	79.8	24.32	4.282	
4,200.0	3,954.4	4,246.0	3,997.0	27.3	27.6	179.93	-322.2	1,089.4	104.3	79.1	25.11	4.151	
4,300.0	4,045.7	4,346.0	4,088.3	28.2	28.5	178.63	-336.0	1,127.9	104.4	78.5	25.96	4.022	
4,400.0	4,136.9	4,445.9	4,179.5	29.0	29.4	177.34	-349.9	1,166.4	104.6	77.8	26.87	3.894	
4,500.0	4,228.1	4,545.9	4,270.7	29.9	30.3	176.05	-363.7	1,204.9	104.9	77.1	27.84	3.768	
4,600.0	4,319.3	4,645.9	4,361.9	30.8	31.2	174.76	-377.6	1,243.4	105.2	76.3	28.87	3.644	
4,700.0	4,410.5	4,745.8	4,453.1	31.7	32.1	173.49	-391.4	1,281.9	105.6	75.6	29.97	3.522	
4,800.0	4,501.7	4,845.8	4,544.4	32.6	33.0	172.22	-405.3	1,320.3	106.0	74.9	31.14	3.404	
4,900.0	4,593.0	4,945.8	4,635.6	33.5	33.9	170.97	-419.1	1,358.8	106.5	74.1	32.37	3.289	
5,000.0	4,684.2	5,045.8	4,726.8	34.4	34.7	169.73	-433.0	1,397.3	107.0	73.3	33.67	3.178	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,775.4	5,145.7	4,818.0	35.3	35.6	168.50	-446.8	1,435.8	107.6	72.5	35.03	3.070	
5,200.0	4,866.6	5,245.7	4,909.2	36.2	36.5	167.28	-460.7	1,474.3	108.2	71.7	36.46	2.968	
5,300.0	4,957.8	5,345.7	5,000.4	37.1	37.4	166.08	-474.5	1,512.8	108.9	70.9	37.95	2.869	
5,400.0	5,049.1	5,445.6	5,091.7	38.0	38.3	164.89	-488.4	1,551.3	109.6	70.1	39.49	2.775	
5,500.0	5,140.3	5,545.6	5,182.9	38.9	39.2	163.72	-502.2	1,589.8	110.4	69.3	41.09	2.686	
5,600.0	5,231.5	5,645.6	5,274.1	39.8	40.1	162.57	-516.1	1,628.3	111.2	68.4	42.74	2.601	
5,700.0	5,322.7	5,745.6	5,365.3	40.6	41.0	161.43	-529.9	1,666.8	112.0	67.6	44.44	2.521	
5,800.0	5,413.9	5,845.5	5,456.5	41.5	41.9	160.31	-543.8	1,705.3	112.9	66.7	46.19	2.445	
5,900.0	5,505.1	5,945.5	5,547.8	42.4	42.8	159.21	-557.6	1,743.8	113.9	65.9	47.97	2.373	
6,000.0	5,596.4	6,045.5	5,639.0	43.3	43.7	158.13	-571.5	1,782.3	114.8	65.0	49.80	2.306	
6,100.0	5,687.6	6,145.4	5,730.2	44.2	44.5	157.06	-585.3	1,820.8	115.9	64.2	51.66	2.243	
6,200.0	5,778.8	6,245.4	5,821.4	45.1	45.4	156.02	-599.2	1,859.2	116.9	63.4	53.56	2.183	
6,300.0	5,870.0	6,345.4	5,912.6	46.0	46.3	154.99	-613.0	1,897.7	118.0	62.5	55.49	2.127	
6,400.0	5,961.2	6,445.4	6,003.9	46.9	47.2	153.99	-626.9	1,936.2	119.2	61.7	57.45	2.074	
6,500.0	6,052.4	6,545.3	6,095.1	47.8	48.1	153.00	-640.7	1,974.7	120.3	60.9	59.43	2.025	
6,600.0	6,143.7	6,645.3	6,186.3	48.7	49.0	152.03	-654.6	2,013.2	121.5	60.1	61.43	1.978	
6,700.0	6,234.9	6,745.3	6,277.5	49.6	49.9	151.08	-668.4	2,051.7	122.8	59.3	63.46	1.935	ES, SF
6,800.0	6,326.1	6,848.6	6,372.2	50.5	50.7	152.30	-677.9	2,091.7	122.9	59.7	63.27	1.943	
6,877.2	6,396.5	6,927.4	6,444.7	51.2	51.2	157.74	-675.4	2,122.4	121.4	62.9	58.57	2.074	
6,900.0	6,417.3	6,950.2	6,465.6	51.4	51.4	163.88	-673.0	2,131.2	121.1	64.4	56.70	2.136	
6,937.3	6,451.5	6,987.1	6,499.2	51.6	51.6	174.16	-667.7	2,145.5	120.9	67.1	53.76	2.248	
6,950.0	6,463.2	6,999.6	6,510.5	51.7	51.6	177.73	-665.4	2,150.3	120.9	68.0	52.84	2.288	
7,000.0	6,509.1	7,048.3	6,554.3	52.1	51.9	-168.35	-654.7	2,168.8	121.5	71.8	49.65	2.447	
7,050.0	6,554.9	7,096.4	6,596.7	52.4	52.1	-154.93	-641.0	2,186.9	122.9	75.4	47.44	2.590	
7,100.0	6,600.2	7,143.9	6,637.6	52.7	52.3	-142.47	-624.4	2,204.3	124.9	78.6	46.30	2.699	
7,150.0	6,644.9	7,190.8	6,677.0	53.0	52.5	-131.24	-605.2	2,221.0	127.6	81.5	46.11	2.768	
7,200.0	6,688.8	7,237.1	6,714.6	53.2	52.7	-121.30	-583.5	2,237.1	130.9	84.3	46.62	2.808	
7,250.0	6,731.7	7,283.0	6,750.5	53.5	52.8	-112.60	-559.4	2,252.4	134.5	87.1	47.47	2.834	
7,300.0	6,773.3	7,328.3	6,784.6	53.7	52.9	-105.03	-533.2	2,267.0	138.5	90.1	48.37	2.864	
7,350.0	6,813.4	7,373.3	6,816.7	53.9	53.0	-98.45	-505.1	2,280.7	142.7	93.6	49.09	2.907	
7,400.0	6,851.9	7,417.8	6,846.9	54.1	53.1	-92.74	-475.0	2,293.7	147.0	97.6	49.47	2.972	
7,450.0	6,888.6	7,461.9	6,875.1	54.2	53.2	-87.78	-443.3	2,305.8	151.4	102.0	49.45	3.062	
7,500.0	6,923.2	7,505.7	6,901.2	54.3	53.2	-83.48	-410.0	2,317.0	155.8	106.8	49.00	3.179	
7,550.0	6,955.7	7,550.0	6,925.6	54.4	53.3	-79.70	-374.6	2,327.6	160.0	111.9	48.13	3.324	
7,600.0	6,985.8	7,592.3	6,947.0	54.5	53.3	-76.49	-339.3	2,336.8	164.1	117.2	46.87	3.501	
7,650.0	7,013.4	7,635.2	6,966.7	54.6	53.3	-73.68	-302.2	2,345.4	167.9	122.6	45.31	3.706	
7,700.0	7,038.3	7,677.8	6,984.3	54.6	53.3	-71.26	-264.1	2,353.1	171.5	128.0	43.54	3.940	
7,750.0	7,060.6	7,720.3	6,999.6	54.7	53.3	-69.18	-225.1	2,359.8	174.8	133.1	41.66	4.196	
7,800.0	7,079.9	7,762.5	7,012.8	54.7	53.3	-67.42	-185.4	2,365.6	177.7	137.9	39.79	4.467	
7,850.0	7,096.3	7,804.6	7,023.7	54.7	53.2	-65.94	-145.1	2,370.4	180.3	142.2	38.10	4.733	
7,900.0	7,109.7	7,850.0	7,033.0	54.7	53.2	-64.67	-100.8	2,374.6	182.5	145.8	36.73	4.970	
7,950.0	7,120.0	7,888.4	7,038.8	54.7	53.2	-63.75	-63.0	2,377.3	184.2	148.4	35.86	5.138	
8,000.0	7,127.2	7,930.1	7,043.1	54.7	53.1	-63.02	-21.6	2,379.4	185.6	150.0	35.60	5.212	
8,050.0	7,131.1	7,971.7	7,045.1	54.6	53.1	-62.51	20.0	2,380.5	186.4	150.4	36.04	5.173	
8,086.9	7,132.0	8,002.4	7,045.1	54.6	53.0	-62.27	50.7	2,380.7	186.8	150.0	36.82	5.073	
8,100.0	7,132.0	8,014.6	7,044.8	54.6	53.0	-62.20	62.9	2,380.6	186.9	150.1	36.80	5.079	
8,200.0	7,132.0	8,114.5	7,042.4	54.5	52.9	-61.53	162.8	2,380.2	188.1	151.5	36.58	5.141	
8,300.0	7,132.0	8,214.5	7,039.9	54.5	52.8	-60.88	262.7	2,379.7	189.2	152.4	36.79	5.143	
8,400.0	7,132.0	8,314.5	7,037.5	54.5	52.7	-60.23	362.7	2,379.3	190.4	153.1	37.30	5.105	
8,500.0	7,132.0	8,414.5	7,035.0	54.5	52.7	-59.59	462.6	2,378.9	191.6	153.5	38.10	5.030	
8,600.0	7,132.0	8,514.4	7,032.6	54.6	52.7	-58.96	562.6	2,378.4	192.9	153.7	39.15	4.927	
8,700.0	7,132.0	8,614.4	7,030.1	54.7	52.8	-58.34	662.5	2,378.0	194.1	153.7	40.43	4.802	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,800.0	7,132.0	8,714.4	7,027.7	54.9	52.9	-57.73	762.4	2,377.5	195.4	153.5	41.90	4.664	
8,900.0	7,132.0	8,814.3	7,025.2	55.1	53.1	-57.12	862.4	2,377.1	196.7	153.2	43.55	4.517	
9,000.0	7,132.0	8,914.3	7,022.8	55.4	53.3	-56.53	962.3	2,376.7	198.1	152.7	45.35	4.368	
9,100.0	7,132.0	9,014.3	7,020.3	55.8	53.6	-55.94	1,062.3	2,376.2	199.4	152.2	47.27	4.219	
9,200.0	7,132.0	9,114.2	7,017.9	56.2	54.0	-55.35	1,162.2	2,375.8	200.8	151.5	49.29	4.074	
9,300.0	7,132.0	9,214.2	7,015.4	56.6	54.4	-54.78	1,262.1	2,375.3	202.2	150.8	51.39	3.934	
9,400.0	7,132.0	9,314.2	7,013.0	57.2	54.9	-54.22	1,362.1	2,374.9	203.6	150.0	53.57	3.801	
9,500.0	7,132.0	9,414.2	7,010.5	57.8	55.4	-53.66	1,462.0	2,374.5	205.0	149.3	55.80	3.675	
9,600.0	7,132.0	9,514.1	7,008.0	58.4	56.1	-53.11	1,561.9	2,374.0	206.5	148.4	58.07	3.556	
9,700.0	7,132.0	9,614.1	7,005.6	59.2	56.8	-52.57	1,661.9	2,373.6	208.0	147.6	60.38	3.444	
9,800.0	7,132.0	9,714.1	7,003.1	60.0	57.6	-52.03	1,761.8	2,373.1	209.5	146.7	62.71	3.340	
9,900.0	7,132.0	9,814.0	7,000.7	60.9	58.5	-51.50	1,861.8	2,372.7	211.0	145.9	65.07	3.242	
10,000.0	7,132.0	9,914.0	6,998.2	61.8	59.4	-50.98	1,961.7	2,372.3	212.5	145.1	67.43	3.151	
10,100.0	7,132.0	10,014.0	6,995.8	62.8	60.4	-50.47	2,061.6	2,371.8	214.0	144.2	69.81	3.066	
10,200.0	7,132.0	10,113.9	6,993.3	63.9	61.5	-49.97	2,161.6	2,371.4	215.6	143.4	72.19	2.987	
10,300.0	7,132.0	10,213.9	6,990.9	65.0	62.7	-49.47	2,261.5	2,370.9	217.2	142.6	74.57	2.912	
10,400.0	7,132.0	10,313.9	6,988.4	66.2	63.9	-48.98	2,361.5	2,370.5	218.8	141.8	76.95	2.843	
10,500.0	7,132.0	10,413.9	6,986.0	67.5	65.1	-48.50	2,461.4	2,370.0	220.4	141.1	79.32	2.778	
10,600.0	7,132.0	10,513.8	6,983.5	68.8	66.4	-48.02	2,561.3	2,369.6	222.0	140.3	81.69	2.718	
10,700.0	7,132.0	10,613.8	6,981.1	70.1	67.8	-47.55	2,661.3	2,369.2	223.6	139.6	84.05	2.661	
10,800.0	7,132.0	10,713.8	6,978.6	71.5	69.2	-47.09	2,761.2	2,368.7	225.3	138.9	86.39	2.608	
10,900.0	7,132.0	10,813.7	6,976.2	72.9	70.6	-46.63	2,861.2	2,368.3	227.0	138.2	88.73	2.558	
11,000.0	7,132.0	10,913.7	6,973.7	74.3	72.1	-46.18	2,961.1	2,367.8	228.6	137.6	91.05	2.511	
11,100.0	7,132.0	11,013.7	6,971.3	75.8	73.5	-45.74	3,061.0	2,367.4	230.3	137.0	93.36	2.467	
11,200.0	7,132.0	11,113.6	6,968.8	77.3	75.1	-45.31	3,161.0	2,367.0	232.0	136.4	95.66	2.426	
11,300.0	7,132.0	11,213.6	6,966.4	78.8	76.6	-44.88	3,260.9	2,366.5	233.8	135.8	97.94	2.387	
11,400.0	7,132.0	11,313.6	6,963.9	80.3	78.2	-44.45	3,360.8	2,366.1	235.5	135.3	100.20	2.350	
11,500.0	7,132.0	11,413.6	6,961.5	81.9	79.7	-44.04	3,460.8	2,365.6	237.3	134.8	102.45	2.316	
11,600.0	7,132.0	11,513.5	6,959.0	83.5	81.4	-43.63	3,560.7	2,365.2	239.0	134.3	104.68	2.283	
11,700.0	7,132.0	11,613.5	6,956.6	85.1	83.0	-43.22	3,660.7	2,364.8	240.8	133.9	106.90	2.252	
11,800.0	7,132.0	11,713.5	6,954.1	86.7	84.6	-42.82	3,760.6	2,364.3	242.6	133.5	109.10	2.223	
11,900.0	7,132.0	11,813.4	6,951.7	88.3	86.3	-42.43	3,860.5	2,363.9	244.4	133.1	111.28	2.196	
12,000.0	7,132.0	11,913.4	6,949.2	90.0	87.9	-42.04	3,960.5	2,363.4	246.2	132.7	113.45	2.170	
12,100.0	7,132.0	12,013.4	6,946.8	91.6	89.6	-41.66	4,060.4	2,363.0	248.0	132.4	115.60	2.145	
12,152.4	7,132.0	12,065.8	6,945.5	92.5	90.5	-41.46	4,112.8	2,362.8	248.9	132.2	116.72	2.133	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	59.10	7.7	12.8	14.9	14.9	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	59.10	7.7	12.8	14.9	14.7	0.22	66.381	
200.0	200.0	200.0	200.0	0.3	0.3	59.10	7.7	12.8	14.9	14.2	0.67	22.127	CC, ES
300.0	300.0	299.6	299.6	0.6	0.5	63.63	7.2	14.5	16.1	15.0	1.11	14.543	
400.0	400.0	399.0	398.8	0.8	0.8	73.64	5.7	19.4	20.3	18.7	1.55	13.063	
500.0	500.0	497.9	497.3	1.0	1.0	83.25	3.3	27.6	28.0	25.9	2.02	13.875	
600.0	600.0	596.1	594.8	1.2	1.3	90.14	-0.1	39.0	39.4	36.8	2.51	15.690	
700.0	700.0	693.6	691.1	1.4	1.6	-12.11	-4.4	53.5	52.7	49.8	2.91	18.102	
800.0	799.8	790.7	786.5	1.6	2.0	-9.62	-9.6	71.0	66.1	62.8	3.34	19.767	
900.0	899.5	887.3	880.7	1.9	2.4	-7.98	-15.6	91.5	79.5	75.7	3.79	20.961	
1,000.0	998.7	983.5	973.8	2.1	2.9	-6.82	-22.6	114.9	92.8	88.5	4.25	21.806	
1,100.0	1,097.5	1,079.4	1,065.6	2.4	3.5	-5.96	-30.4	141.2	106.0	101.2	4.73	22.387	
1,200.0	1,195.6	1,174.8	1,156.1	2.8	4.1	-5.30	-39.0	170.3	119.0	113.8	5.23	22.760	
1,300.0	1,293.1	1,269.8	1,245.1	3.2	4.7	-4.77	-48.4	202.1	131.9	126.2	5.75	22.959	
1,400.0	1,389.6	1,364.4	1,332.6	3.6	5.5	-4.34	-58.6	236.6	144.7	138.4	6.27	23.085	
1,500.0	1,485.3	1,461.1	1,420.9	4.2	6.3	-3.99	-69.8	274.3	156.9	150.0	6.83	22.951	
1,600.0	1,579.8	1,560.7	1,511.7	4.8	7.1	-3.75	-81.4	313.6	166.0	158.6	7.42	22.380	
1,700.0	1,673.2	1,660.5	1,602.7	5.5	8.0	-3.61	-93.1	352.9	171.7	163.7	8.02	21.415	
1,809.6	1,774.0	1,770.1	1,702.6	6.3	9.0	-3.56	-105.8	396.1	174.0	165.3	8.69	20.008	
1,900.0	1,856.4	1,860.5	1,785.0	7.1	9.8	-3.55	-116.4	431.8	174.1	164.8	9.31	18.693	
2,000.0	1,947.7	1,960.5	1,876.2	7.9	10.7	-3.54	-128.1	471.2	174.2	164.2	10.01	17.413	
2,100.0	2,038.9	2,060.5	1,967.3	8.7	11.5	-3.53	-139.7	510.6	174.4	163.7	10.71	16.288	
2,200.0	2,130.1	2,160.5	2,058.5	9.6	12.4	-3.52	-151.4	550.0	174.5	163.1	11.41	15.293	
2,300.0	2,221.3	2,260.5	2,149.7	10.5	13.3	-3.51	-163.1	589.4	174.6	162.5	12.12	14.408	
2,400.0	2,312.5	2,360.5	2,240.8	11.3	14.2	-3.50	-174.8	628.8	174.8	161.9	12.84	13.616	
2,500.0	2,403.7	2,460.5	2,332.0	12.2	15.1	-3.49	-186.4	668.2	174.9	161.4	13.55	12.905	
2,600.0	2,495.0	2,560.5	2,423.1	13.1	16.0	-3.48	-198.1	707.7	175.0	160.8	14.27	12.263	
2,700.0	2,586.2	2,660.5	2,514.3	14.0	16.9	-3.48	-209.8	747.1	175.2	160.2	15.00	11.681	
2,800.0	2,677.4	2,760.5	2,605.5	14.8	17.8	-3.47	-221.4	786.5	175.3	159.6	15.72	11.151	
2,900.0	2,768.6	2,860.5	2,696.6	15.7	18.7	-3.46	-233.1	825.9	175.5	159.0	16.45	10.667	
3,000.0	2,859.8	2,960.5	2,787.8	16.6	19.6	-3.45	-244.8	865.3	175.6	158.4	17.18	10.223	
3,100.0	2,951.0	3,060.5	2,878.9	17.5	20.5	-3.44	-256.4	904.7	175.7	157.8	17.91	9.814	
3,200.0	3,042.3	3,160.5	2,970.1	18.4	21.4	-3.43	-268.1	944.1	175.9	157.2	18.64	9.436	
3,300.0	3,133.5	3,260.5	3,061.3	19.3	22.2	-3.42	-279.8	983.6	176.0	156.6	19.37	9.087	
3,400.0	3,224.7	3,360.5	3,152.4	20.1	23.1	-3.41	-291.5	1,023.0	176.1	156.0	20.10	8.763	
3,500.0	3,315.9	3,460.5	3,243.6	21.0	24.0	-3.40	-303.1	1,062.4	176.3	155.4	20.83	8.461	
3,600.0	3,407.1	3,560.5	3,334.7	21.9	24.9	-3.40	-314.8	1,101.8	176.4	154.8	21.57	8.179	
3,700.0	3,498.4	3,660.5	3,425.9	22.8	25.8	-3.39	-326.5	1,141.2	176.6	154.2	22.30	7.916	
3,800.0	3,589.6	3,760.5	3,517.1	23.7	26.7	-3.38	-338.1	1,180.6	176.7	153.6	23.04	7.669	
3,900.0	3,680.8	3,860.5	3,608.2	24.6	27.6	-3.37	-349.8	1,220.0	176.8	153.0	23.77	7.438	
4,000.0	3,772.0	3,960.5	3,699.4	25.5	28.5	-3.36	-361.5	1,259.5	177.0	152.5	24.51	7.220	
4,100.0	3,863.2	4,060.5	3,790.6	26.4	29.4	-3.35	-373.2	1,298.9	177.1	151.9	25.25	7.014	
4,200.0	3,954.4	4,160.5	3,881.7	27.3	30.3	-3.34	-384.8	1,338.3	177.2	151.3	25.98	6.821	
4,300.0	4,045.7	4,260.5	3,972.9	28.2	31.2	-3.33	-396.5	1,377.7	177.4	150.6	26.72	6.638	
4,400.0	4,136.9	4,360.5	4,064.0	29.0	32.1	-3.33	-408.2	1,417.1	177.5	150.0	27.46	6.464	
4,500.0	4,228.1	4,460.5	4,155.2	29.9	33.0	-3.32	-419.8	1,456.5	177.6	149.4	28.20	6.300	
4,600.0	4,319.3	4,560.5	4,246.4	30.8	33.9	-3.31	-431.5	1,495.9	177.8	148.8	28.94	6.144	
4,700.0	4,410.5	4,660.5	4,337.5	31.7	34.8	-3.30	-443.2	1,535.4	177.9	148.2	29.67	5.996	
4,800.0	4,501.7	4,760.5	4,428.7	32.6	35.7	-3.29	-454.9	1,574.8	178.1	147.6	30.41	5.855	
4,900.0	4,593.0	4,860.5	4,519.8	33.5	36.6	-3.28	-466.5	1,614.2	178.2	147.0	31.15	5.720	
5,000.0	4,684.2	4,960.5	4,611.0	34.4	37.5	-3.27	-478.2	1,653.6	178.3	146.4	31.89	5.592	
5,100.0	4,775.4	5,060.5	4,702.2	35.3	38.4	-3.26	-489.9	1,693.0	178.5	145.8	32.63	5.470	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	4,866.6	5,160.5	4,793.3	36.2	39.3	-3.26	-501.5	1,732.4	178.6	145.2	33.37	5.353	
5,300.0	4,957.8	5,260.5	4,884.5	37.1	40.2	-3.25	-513.2	1,771.8	178.7	144.6	34.11	5.241	
5,400.0	5,049.1	5,360.5	4,975.6	38.0	41.1	-3.24	-524.9	1,811.3	178.9	144.0	34.85	5.133	
5,500.0	5,140.3	5,460.5	5,066.8	38.9	42.0	-3.23	-536.6	1,850.7	179.0	143.4	35.58	5.031	
5,600.0	5,231.5	5,560.5	5,158.0	39.8	42.9	-3.22	-548.2	1,890.1	179.1	142.8	36.32	4.932	
5,700.0	5,322.7	5,660.5	5,249.1	40.6	43.8	-3.21	-559.9	1,929.5	179.3	142.2	37.06	4.837	
5,800.0	5,413.9	5,760.5	5,340.3	41.5	44.7	-3.20	-571.6	1,968.9	179.4	141.6	37.80	4.746	
5,900.0	5,505.1	5,860.5	5,431.4	42.4	45.6	-3.20	-583.2	2,008.3	179.6	141.0	38.54	4.659	
6,000.0	5,596.4	5,960.5	5,522.6	43.3	46.5	-3.19	-594.9	2,047.7	179.7	140.4	39.28	4.574	
6,100.0	5,687.6	6,060.5	5,613.8	44.2	47.3	-3.18	-606.6	2,087.2	179.8	139.8	40.02	4.493	
6,200.0	5,778.8	6,160.5	5,704.9	45.1	48.2	-3.17	-618.3	2,126.6	180.0	139.2	40.76	4.415	
6,300.0	5,870.0	6,260.5	5,796.1	46.0	49.1	-3.16	-629.9	2,166.0	180.1	138.6	41.50	4.340	
6,400.0	5,961.2	6,360.5	5,887.2	46.9	50.0	-3.15	-641.6	2,205.4	180.2	138.0	42.24	4.267	
6,500.0	6,052.4	6,460.5	5,978.4	47.8	50.9	-3.14	-653.3	2,244.8	180.4	137.4	42.98	4.197	
6,600.0	6,143.7	6,560.5	6,069.6	48.7	51.8	-3.14	-664.9	2,284.2	180.5	136.8	43.72	4.129	
6,700.0	6,234.9	6,660.5	6,160.7	49.6	52.7	-3.13	-676.6	2,323.6	180.7	136.2	44.46	4.063	
6,800.0	6,326.1	6,760.5	6,251.9	50.5	53.6	-3.12	-688.3	2,363.1	180.8	135.6	45.20	4.000	
6,877.2	6,396.5	6,838.2	6,322.8	51.2	54.3	-3.14	-697.3	2,393.7	180.9	135.1	45.78	3.951	
6,900.0	6,417.3	6,862.2	6,344.7	51.4	54.5	0.74	-699.3	2,403.2	180.8	134.9	45.98	3.933	
6,950.0	6,463.2	6,914.9	6,393.0	51.7	54.9	9.58	-701.0	2,424.1	180.8	134.4	46.41	3.895	
7,000.0	6,509.1	6,967.4	6,441.1	52.1	55.3	18.48	-698.8	2,445.0	180.7	133.8	46.84	3.858	
7,050.0	6,554.9	7,019.8	6,488.9	52.4	55.6	26.94	-692.8	2,465.7	180.6	133.3	47.28	3.820	
7,100.0	6,600.2	7,072.2	6,536.0	52.7	55.9	34.55	-683.0	2,486.2	180.6	132.8	47.72	3.783	
7,150.0	6,644.9	7,124.4	6,582.3	53.0	56.2	41.13	-669.5	2,506.3	180.5	132.3	48.18	3.747	
7,200.0	6,688.8	7,176.4	6,627.4	53.2	56.5	46.62	-652.4	2,525.9	180.5	131.8	48.65	3.710	
7,215.7	6,702.4	7,192.8	6,641.3	53.3	56.5	48.14	-646.4	2,532.0	180.5	131.7	48.79	3.699	
7,250.0	6,731.7	7,228.4	6,671.1	53.5	56.7	51.12	-631.9	2,545.0	180.5	131.4	49.12	3.674	
7,300.0	6,773.3	7,280.2	6,713.2	53.7	56.9	54.73	-608.0	2,563.4	180.5	130.9	49.61	3.639	
7,350.0	6,813.4	7,331.8	6,753.5	53.9	57.1	57.60	-581.0	2,581.0	180.6	130.5	50.11	3.604	
7,400.0	6,851.9	7,383.2	6,791.8	54.1	57.3	59.85	-551.0	2,597.7	180.7	130.1	50.60	3.571	
7,450.0	6,888.6	7,434.5	6,827.8	54.2	57.4	61.58	-518.2	2,613.6	180.9	129.8	51.10	3.539	
7,500.0	6,923.2	7,485.6	6,861.5	54.3	57.5	62.89	-482.7	2,628.4	181.1	129.5	51.58	3.510	
7,550.0	6,955.7	7,536.6	6,892.7	54.4	57.6	63.84	-444.9	2,642.1	181.3	129.2	52.05	3.483	
7,600.0	6,985.8	7,587.3	6,921.2	54.5	57.7	64.49	-404.9	2,654.7	181.6	129.1	52.50	3.459	
7,650.0	7,013.4	7,637.9	6,947.0	54.6	57.7	64.89	-362.9	2,666.1	181.9	129.0	52.93	3.437	
7,700.0	7,038.3	7,688.2	6,969.9	54.6	57.8	65.08	-319.2	2,676.3	182.3	129.0	53.32	3.419	
7,750.0	7,060.6	7,738.4	6,989.9	54.7	57.8	65.09	-274.1	2,685.2	182.7	129.0	53.70	3.403	
7,800.0	7,079.9	7,788.4	7,006.8	54.7	57.8	64.95	-227.7	2,692.9	183.2	129.2	54.05	3.390	
7,850.0	7,096.3	7,838.2	7,020.7	54.7	57.8	64.67	-180.3	2,699.2	183.8	129.4	54.38	3.379	
7,900.0	7,109.7	7,887.9	7,031.5	54.7	57.8	64.28	-132.1	2,704.2	184.3	129.6	54.71	3.369	
7,950.0	7,120.0	7,937.3	7,039.2	54.7	57.8	63.78	-83.4	2,707.8	184.9	129.9	55.04	3.360	
8,000.0	7,127.2	7,986.6	7,043.8	54.7	57.7	63.20	-34.4	2,710.1	185.5	130.2	55.39	3.350	
8,050.0	7,131.1	8,035.7	7,045.2	54.6	57.7	62.53	14.7	2,711.0	186.2	130.4	55.77	3.339	
8,086.9	7,132.0	8,072.2	7,044.5	54.6	57.7	62.06	51.2	2,710.9	186.7	130.6	56.08	3.329	
8,100.0	7,132.0	8,085.3	7,044.2	54.6	57.7	61.97	64.3	2,710.9	186.8	130.6	56.20	3.324	
8,200.0	7,132.0	8,185.3	7,041.8	54.5	57.6	61.31	164.3	2,710.4	188.0	130.8	57.20	3.287	
8,300.0	7,132.0	8,285.3	7,039.3	54.5	57.5	60.66	264.2	2,710.0	189.2	130.8	58.37	3.241	
8,400.0	7,132.0	8,385.3	7,036.8	54.5	57.5	60.01	364.1	2,709.5	190.4	130.7	59.72	3.188	
8,500.0	7,132.0	8,485.2	7,034.4	54.5	57.6	59.38	464.1	2,709.0	191.7	130.4	61.22	3.131	
8,600.0	7,132.0	8,585.2	7,031.9	54.6	57.6	58.75	564.0	2,708.6	192.9	130.1	62.86	3.069	
8,700.0	7,132.0	8,685.2	7,029.5	54.7	57.7	58.13	663.9	2,708.1	194.2	129.6	64.62	3.006	
8,800.0	7,132.0	8,785.1	7,027.0	54.9	57.9	57.51	763.9	2,707.7	195.5	129.0	66.48	2.941	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,900.0	7,132.0	8,885.1	7,024.5	55.1	58.1	56.91	863.8	2,707.2	196.8	128.4	68.43	2.876	
9,000.0	7,132.0	8,985.1	7,022.1	55.4	58.3	56.32	963.8	2,706.8	198.2	127.7	70.47	2.813	
9,100.0	7,132.0	9,085.0	7,019.6	55.8	58.7	55.73	1,063.7	2,706.3	199.6	127.0	72.57	2.750	
9,200.0	7,132.0	9,185.0	7,017.2	56.2	59.0	55.15	1,163.6	2,705.9	201.0	126.3	74.72	2.690	
9,300.0	7,132.0	9,285.0	7,014.7	56.6	59.4	54.58	1,263.6	2,705.4	202.4	125.5	76.92	2.631	
9,400.0	7,132.0	9,385.0	7,012.2	57.2	59.9	54.01	1,363.5	2,705.0	203.8	124.7	79.17	2.575	
9,500.0	7,132.0	9,484.9	7,009.8	57.8	60.5	53.46	1,463.5	2,704.5	205.3	123.8	81.44	2.521	
9,600.0	7,132.0	9,584.9	7,007.3	58.4	61.1	52.91	1,563.4	2,704.1	206.8	123.0	83.73	2.469	
9,700.0	7,132.0	9,684.9	7,004.9	59.2	61.7	52.37	1,663.3	2,703.6	208.3	122.2	86.05	2.420	
9,800.0	7,132.0	9,784.8	7,002.4	60.0	62.5	51.84	1,763.3	2,703.1	209.8	121.4	88.38	2.373	
9,900.0	7,132.0	9,884.8	6,999.9	60.9	63.3	51.31	1,863.2	2,702.7	211.3	120.6	90.72	2.329	
10,000.0	7,132.0	9,984.8	6,997.5	61.8	64.2	50.80	1,963.1	2,702.2	212.8	119.8	93.07	2.287	
10,100.0	7,132.0	10,084.7	6,995.0	62.8	65.1	50.29	2,063.1	2,701.8	214.4	119.0	95.42	2.247	
10,200.0	7,132.0	10,184.7	6,992.6	63.9	66.1	49.78	2,163.0	2,701.3	216.0	118.2	97.76	2.209	
10,300.0	7,132.0	10,284.7	6,990.1	65.0	67.2	49.29	2,263.0	2,700.9	217.6	117.5	100.11	2.173	
10,400.0	7,132.0	10,384.7	6,987.6	66.2	68.3	48.80	2,362.9	2,700.4	219.2	116.7	102.45	2.140	
10,500.0	7,132.0	10,484.6	6,985.2	67.5	69.5	48.32	2,462.8	2,700.0	220.8	116.0	104.78	2.107	
10,600.0	7,132.0	10,584.6	6,982.7	68.8	70.7	47.85	2,562.8	2,699.5	222.5	115.4	107.11	2.077	
10,700.0	7,132.0	10,684.6	6,980.3	70.1	71.9	47.38	2,662.7	2,699.1	224.1	114.7	109.42	2.048	
10,800.0	7,132.0	10,784.5	6,977.8	71.5	73.2	46.92	2,762.7	2,698.6	225.8	114.1	111.73	2.021	
10,900.0	7,132.0	10,884.5	6,975.3	72.9	74.6	46.47	2,862.6	2,698.2	227.5	113.5	114.02	1.995	
11,000.0	7,132.0	10,984.5	6,972.9	74.3	76.0	46.02	2,962.5	2,697.7	229.2	112.9	116.30	1.971	
11,100.0	7,132.0	11,084.4	6,970.4	75.8	77.4	45.58	3,062.5	2,697.3	230.9	112.3	118.56	1.948	
11,200.0	7,132.0	11,184.4	6,968.0	77.3	78.8	45.15	3,162.4	2,696.8	232.6	111.8	120.81	1.926	
11,300.0	7,132.0	11,284.4	6,965.5	78.8	80.3	44.73	3,262.3	2,696.3	234.4	111.3	123.04	1.905	
11,400.0	7,132.0	11,384.3	6,963.0	80.3	81.8	44.31	3,362.3	2,695.9	236.1	110.9	125.26	1.885	
11,500.0	7,132.0	11,484.3	6,960.6	81.9	83.3	43.89	3,462.2	2,695.4	237.9	110.4	127.46	1.866	
11,600.0	7,132.0	11,584.3	6,958.1	83.5	84.9	43.48	3,562.2	2,695.0	239.7	110.0	129.65	1.849	
11,700.0	7,132.0	11,684.3	6,955.7	85.1	86.5	43.08	3,662.1	2,694.5	241.5	109.7	131.82	1.832	
11,800.0	7,132.0	11,784.2	6,953.2	86.7	88.0	42.69	3,762.0	2,694.1	243.3	109.3	133.97	1.816	
11,900.0	7,132.0	11,884.2	6,950.7	88.3	89.6	42.30	3,862.0	2,693.6	245.1	109.0	136.11	1.801	
12,000.0	7,132.0	11,984.2	6,948.3	90.0	91.3	41.91	3,961.9	2,693.2	246.9	108.7	138.23	1.786	
12,100.0	7,132.0	12,084.1	6,945.8	91.6	92.9	41.53	4,061.9	2,692.7	248.8	108.4	140.33	1.773	
12,152.4	7,132.0	12,126.2	6,944.8	92.5	93.9	41.38	4,103.9	2,692.5	249.9	108.7	141.27	1.769 SF	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Matrix S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 @ 4729.5ft (RKB - 22.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Matrix S-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 S-29HC
Project:	SEC.29-T6N-R65W	**TVD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Reference Site:	Matrix 29- Pad Sec.29-T6N-R65W	**MD Reference:**	WELL @ 4729.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Matrix S-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 @ 4729.5ft (RKB - 22.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

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