

Bayswater Exploration & Production, LLC

Well Name: **Ivey M-14-23HC**

Surface Location: Ivey Pad Sec.11-T1S-R68W

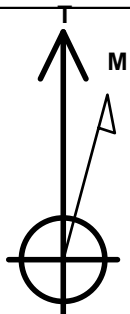
North American Datum 1983, US State Plane 1983, Colorado Northern Zone

Ground Elevation: 5110.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1233695.14	3149467.24	39.973643	-104.966684	
Original Well Elev WELL @ 5132.5ft (Original Well Elev)						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 589'FSL, 2036'FEL, SEC.11	1.0	0.0	0.0	Point
BHL 2603'FNL, 1015'FEL, SEC.23	7989.0	-8496.5	1046.3	Point
LANDING PT. 465'FNL, 1015'FEL, SEC.14	7989.0	-1056.0	1021.6	Point



Azimuths to True North
Magnetic North: 8.52°

Magnetic Field
Strength: 52562.3srT
Dip Angle: 66.57°
Date: 7/2/2014
Model: IGRF2010

Ivey Pad Sec.11-T1S-R68W
Ivey M-14-23HC
Plan #2 (11-5-14)
15:56, November 07 2014

ANNOTATIONS

TVD	MD	Annotation
800.0	800.0	KOP - Start Build 2.00
7318.6	7393.9	Start DLS 8.00 TFO 69.73
7989.0	15920.8	TD at 15920.8

South(-)/North(+) (3500 ft/in)

SHL 589'FSL, 2036'FEL, SEC.11

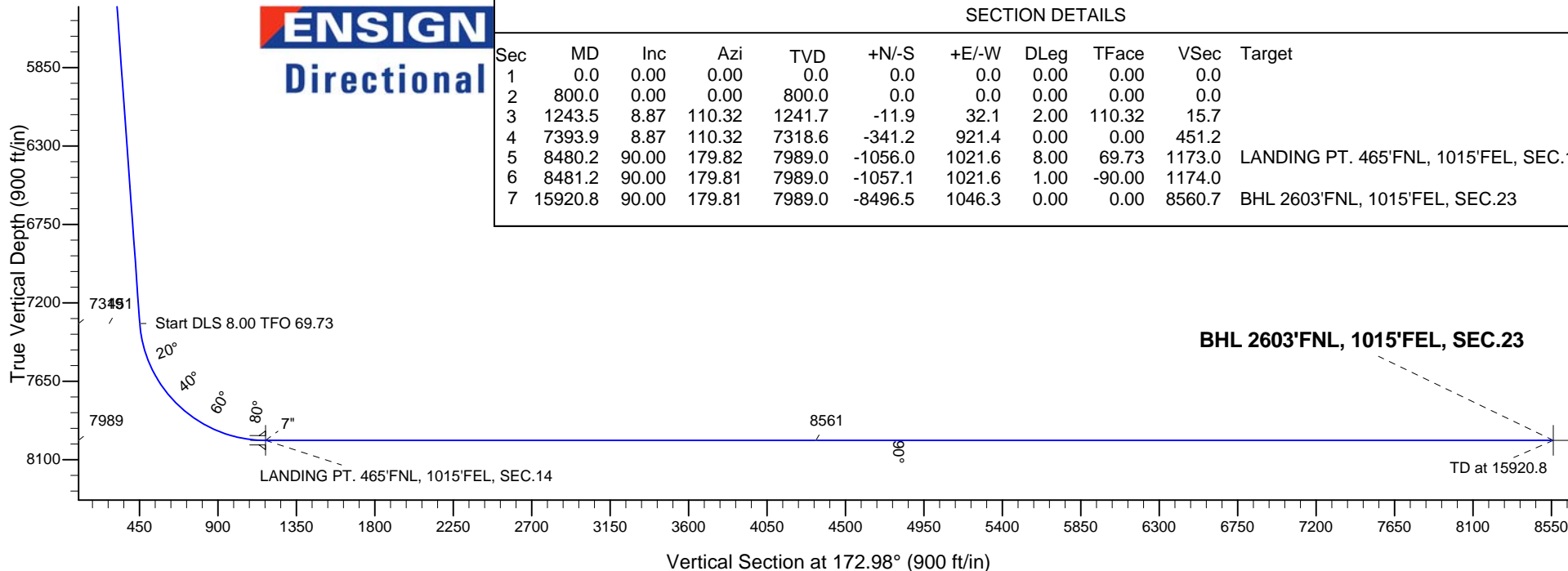
LANDING PT. 465'FNL, 1015'FEL, SEC.14

BHL 2603'FNL, 1015'FEL, SEC.23

West(-)/East(+) (3500 ft/in)

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	800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.0	
3	1243.5	8.87	110.32	1241.7	-11.9	32.1	2.00	110.32	15.7	
4	7393.9	8.87	110.32	7318.6	-341.2	921.4	0.00	0.00	451.2	
5	8480.2	90.00	179.82	7989.0	-1056.0	1021.6	8.00	69.73	1173.0	LANDING PT. 465'FNL, 1015'FEL, SEC.14
6	8481.2	90.00	179.81	7989.0	-1057.1	1021.6	1.00	-90.00	1174.0	
7	15920.8	90.00	179.81	7989.0	-8496.5	1046.3	0.00	0.00	8560.7	BHL 2603'FNL, 1015'FEL, SEC.23





Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey M-14-23HC

Wellbore #1

Plan: Plan #2 (11-5-14)

Standard Planning Report

07 November, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	Landmark	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey M-14-23HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-5-14)		

Project	SEC.11-T1S-R68W, Weld County, Colorado		
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						Ivey Pad Sec.11-T1S-R68W											
Site Position:						Northing:			1,234,283.31 ft			Latitude:			39.975252		
From:			Lat/Long			Easting:			3,149,805.06 ft			Longitude:			-104.965466		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.35 °		

Well	Ivey M-14-23HC					
Well Position	+N-S	-586.1 ft	Northing:	1,233,695.14 ft	Latitude:	39.973643
	+E-W	-341.4 ft	Easting:	3,149,467.24 ft	Longitude:	-104.966684
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,110.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/2/2014	8.53	66.57	52,562

Design	Plan #2 (11-5-14)			
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	172.98

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	
800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,243.5	8.87	110.32	1,241.7	-11.9	32.1	2.00	2.00	0.00	110.32	
7,393.9	8.87	110.32	7,318.6	-341.2	921.4	0.00	0.00	0.00	0.00	
8,480.2	90.00	179.82	7,989.0	-1,056.0	1,021.6	8.00	7.47	6.40	69.73	LANDING PT. 465'I
8,481.2	90.00	179.81	7,989.0	-1,057.1	1,021.6	1.00	0.00	-1.00	-90.00	
15,920.8	90.00	179.81	7,989.0	-8,496.5	1,046.3	0.00	0.00	0.00	0.00	BHL 2603'FNL, 101

Database:	Landmark	Local Co-ordinate Reference:	Well Ivey M-14-23HC
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Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey M-14-23HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-5-14)		

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
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.00									
900.0	2.00	110.32	900.0	-0.6	1.6	0.8	2.00	2.00	0.00
1,000.0	4.00	110.32	999.8	-2.4	6.5	3.2	2.00	2.00	0.00
1,100.0	6.00	110.32	1,099.5	-5.4	14.7	7.2	2.00	2.00	0.00
1,200.0	8.00	110.32	1,198.7	-9.7	26.1	12.8	2.00	2.00	0.00
1,243.5	8.87	110.32	1,241.7	-11.9	32.1	15.7	2.00	2.00	0.00
1,300.0	8.87	110.32	1,297.6	-14.9	40.3	19.7	0.00	0.00	0.00
1,400.0	8.87	110.32	1,396.4	-20.3	54.8	26.8	0.00	0.00	0.00
1,500.0	8.87	110.32	1,495.2	-25.6	69.2	33.9	0.00	0.00	0.00
1,600.0	8.87	110.32	1,594.0	-31.0	83.7	41.0	0.00	0.00	0.00
1,700.0	8.87	110.32	1,692.8	-36.3	98.1	48.1	0.00	0.00	0.00
1,800.0	8.87	110.32	1,791.6	-41.7	112.6	55.1	0.00	0.00	0.00
1,900.0	8.87	110.32	1,890.4	-47.0	127.0	62.2	0.00	0.00	0.00
2,000.0	8.87	110.32	1,989.2	-52.4	141.5	69.3	0.00	0.00	0.00
2,100.0	8.87	110.32	2,088.0	-57.8	156.0	76.4	0.00	0.00	0.00
2,200.0	8.87	110.32	2,186.8	-63.1	170.4	83.5	0.00	0.00	0.00
2,300.0	8.87	110.32	2,285.6	-68.5	184.9	90.5	0.00	0.00	0.00
2,400.0	8.87	110.32	2,384.4	-73.8	199.3	97.6	0.00	0.00	0.00
2,500.0	8.87	110.32	2,483.2	-79.2	213.8	104.7	0.00	0.00	0.00
2,600.0	8.87	110.32	2,582.0	-84.5	228.3	111.8	0.00	0.00	0.00
2,700.0	8.87	110.32	2,680.8	-89.9	242.7	118.9	0.00	0.00	0.00
2,800.0	8.87	110.32	2,779.6	-95.2	257.2	126.0	0.00	0.00	0.00
2,900.0	8.87	110.32	2,878.4	-100.6	271.6	133.0	0.00	0.00	0.00
3,000.0	8.87	110.32	2,977.2	-105.9	286.1	140.1	0.00	0.00	0.00
3,100.0	8.87	110.32	3,076.0	-111.3	300.6	147.2	0.00	0.00	0.00
3,200.0	8.87	110.32	3,174.8	-116.6	315.0	154.3	0.00	0.00	0.00
3,300.0	8.87	110.32	3,273.6	-122.0	329.5	161.4	0.00	0.00	0.00
3,400.0	8.87	110.32	3,372.4	-127.4	343.9	168.4	0.00	0.00	0.00
3,500.0	8.87	110.32	3,471.2	-132.7	358.4	175.5	0.00	0.00	0.00
3,600.0	8.87	110.32	3,570.1	-138.1	372.8	182.6	0.00	0.00	0.00
3,700.0	8.87	110.32	3,668.9	-143.4	387.3	189.7	0.00	0.00	0.00
3,800.0	8.87	110.32	3,767.7	-148.8	401.8	196.8	0.00	0.00	0.00
3,900.0	8.87	110.32	3,866.5	-154.1	416.2	203.8	0.00	0.00	0.00
4,000.0	8.87	110.32	3,965.3	-159.5	430.7	210.9	0.00	0.00	0.00
4,100.0	8.87	110.32	4,064.1	-164.8	445.1	218.0	0.00	0.00	0.00
4,200.0	8.87	110.32	4,162.9	-170.2	459.6	225.1	0.00	0.00	0.00
4,300.0	8.87	110.32	4,261.7	-175.5	474.1	232.2	0.00	0.00	0.00
4,400.0	8.87	110.32	4,360.5	-180.9	488.5	239.2	0.00	0.00	0.00
4,500.0	8.87	110.32	4,459.3	-186.3	503.0	246.3	0.00	0.00	0.00
4,600.0	8.87	110.32	4,558.1	-191.6	517.4	253.4	0.00	0.00	0.00
4,700.0	8.87	110.32	4,656.9	-197.0	531.9	260.5	0.00	0.00	0.00
4,800.0	8.87	110.32	4,755.7	-202.3	546.4	267.6	0.00	0.00	0.00
4,900.0	8.87	110.32	4,854.5	-207.7	560.8	274.7	0.00	0.00	0.00
5,000.0	8.87	110.32	4,953.3	-213.0	575.3	281.7	0.00	0.00	0.00
5,100.0	8.87	110.32	5,052.1	-218.4	589.7	288.8	0.00	0.00	0.00

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Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey M-14-23HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-5-14)		

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)
5,200.0	8.87	110.32	5,150.9	-223.7	604.2	295.9	0.00	0.00	0.00
5,300.0	8.87	110.32	5,249.7	-229.1	618.6	303.0	0.00	0.00	0.00
5,400.0	8.87	110.32	5,348.5	-234.4	633.1	310.1	0.00	0.00	0.00
5,500.0	8.87	110.32	5,447.3	-239.8	647.6	317.1	0.00	0.00	0.00
5,600.0	8.87	110.32	5,546.1	-245.1	662.0	324.2	0.00	0.00	0.00
5,700.0	8.87	110.32	5,644.9	-250.5	676.5	331.3	0.00	0.00	0.00
5,800.0	8.87	110.32	5,743.7	-255.9	690.9	338.4	0.00	0.00	0.00
5,900.0	8.87	110.32	5,842.6	-261.2	705.4	345.5	0.00	0.00	0.00
6,000.0	8.87	110.32	5,941.4	-266.6	719.9	352.5	0.00	0.00	0.00
6,100.0	8.87	110.32	6,040.2	-271.9	734.3	359.6	0.00	0.00	0.00
6,200.0	8.87	110.32	6,139.0	-277.3	748.8	366.7	0.00	0.00	0.00
6,300.0	8.87	110.32	6,237.8	-282.6	763.2	373.8	0.00	0.00	0.00
6,400.0	8.87	110.32	6,336.6	-288.0	777.7	380.9	0.00	0.00	0.00
6,500.0	8.87	110.32	6,435.4	-293.3	792.1	388.0	0.00	0.00	0.00
6,600.0	8.87	110.32	6,534.2	-298.7	806.6	395.0	0.00	0.00	0.00
6,700.0	8.87	110.32	6,633.0	-304.0	821.1	402.1	0.00	0.00	0.00
6,800.0	8.87	110.32	6,731.8	-309.4	835.5	409.2	0.00	0.00	0.00
6,900.0	8.87	110.32	6,830.6	-314.7	850.0	416.3	0.00	0.00	0.00
7,000.0	8.87	110.32	6,929.4	-320.1	864.4	423.4	0.00	0.00	0.00
7,100.0	8.87	110.32	7,028.2	-325.5	878.9	430.4	0.00	0.00	0.00
7,200.0	8.87	110.32	7,127.0	-330.8	893.4	437.5	0.00	0.00	0.00
7,300.0	8.87	110.32	7,225.8	-336.2	907.8	444.6	0.00	0.00	0.00
7,393.9	8.87	110.32	7,318.6	-341.2	921.4	451.2	0.00	0.00	0.00
Start DLS 8.00 TFO 69.73									
7,400.0	9.05	113.23	7,324.6	-341.5	922.3	451.7	7.99	2.96	47.67
7,500.0	14.23	144.61	7,422.6	-354.7	936.6	466.5	8.00	5.18	31.38
7,600.0	21.21	157.70	7,517.9	-381.5	950.6	494.8	8.00	6.99	13.08
7,700.0	28.71	164.34	7,608.5	-421.4	964.0	536.1	8.00	7.50	6.65
7,800.0	36.42	168.39	7,692.7	-473.7	976.5	589.5	8.00	7.70	4.05
7,900.0	44.21	171.18	7,768.9	-537.3	987.8	654.0	8.00	7.80	2.79
8,000.0	52.06	173.28	7,835.6	-611.1	997.8	728.4	8.00	7.85	2.10
8,100.0	59.94	174.97	7,891.5	-693.5	1,006.2	811.3	8.00	7.88	1.69
8,200.0	67.83	176.41	7,935.4	-782.9	1,012.9	900.9	8.00	7.90	1.44
8,300.0	75.74	177.69	7,966.7	-877.7	1,017.8	995.5	8.00	7.91	1.29
8,400.0	83.65	178.89	7,984.6	-976.0	1,020.7	1,093.4	8.00	7.91	1.20
8,480.2	90.00	179.82	7,989.0	-1,056.0	1,021.6	1,173.0	8.00	7.92	1.16
7"									
8,481.2	90.00	179.81	7,989.0	-1,057.1	1,021.6	1,174.0	0.97	0.16	-0.96
8,500.0	90.00	179.81	7,989.0	-1,075.8	1,021.7	1,192.6	0.00	0.00	0.00
8,600.0	90.00	179.81	7,989.0	-1,175.8	1,022.0	1,291.9	0.00	0.00	0.00
8,700.0	90.00	179.81	7,989.0	-1,275.8	1,022.4	1,391.2	0.00	0.00	0.00
8,800.0	90.00	179.81	7,989.0	-1,375.8	1,022.7	1,490.5	0.00	0.00	0.00
8,900.0	90.00	179.81	7,989.0	-1,475.8	1,023.0	1,589.8	0.00	0.00	0.00
9,000.0	90.00	179.81	7,989.0	-1,575.8	1,023.4	1,689.1	0.00	0.00	0.00
9,100.0	90.00	179.81	7,989.0	-1,675.8	1,023.7	1,788.4	0.00	0.00	0.00
9,200.0	90.00	179.81	7,989.0	-1,775.8	1,024.0	1,887.7	0.00	0.00	0.00
9,300.0	90.00	179.81	7,989.0	-1,875.8	1,024.4	1,986.9	0.00	0.00	0.00
9,400.0	90.00	179.81	7,989.0	-1,975.8	1,024.7	2,086.2	0.00	0.00	0.00
9,500.0	90.00	179.81	7,989.0	-2,075.8	1,025.0	2,185.5	0.00	0.00	0.00
9,600.0	90.00	179.81	7,989.0	-2,175.8	1,025.3	2,284.8	0.00	0.00	0.00
9,700.0	90.00	179.81	7,989.0	-2,275.8	1,025.7	2,384.1	0.00	0.00	0.00
9,800.0	90.00	179.81	7,989.0	-2,375.8	1,026.0	2,483.4	0.00	0.00	0.00
9,900.0	90.00	179.81	7,989.0	-2,475.8	1,026.3	2,582.7	0.00	0.00	0.00
10,000.0	90.00	179.81	7,989.0	-2,575.8	1,026.7	2,682.0	0.00	0.00	0.00

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Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey M-14-23HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-5-14)		

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)
10,100.0	90.00	179.81	7,989.0	-2,675.8	1,027.0	2,781.3	0.00	0.00	0.00
10,200.0	90.00	179.81	7,989.0	-2,775.8	1,027.3	2,880.6	0.00	0.00	0.00
10,300.0	90.00	179.81	7,989.0	-2,875.8	1,027.7	2,979.8	0.00	0.00	0.00
10,400.0	90.00	179.81	7,989.0	-2,975.8	1,028.0	3,079.1	0.00	0.00	0.00
10,500.0	90.00	179.81	7,989.0	-3,075.8	1,028.3	3,178.4	0.00	0.00	0.00
10,600.0	90.00	179.81	7,989.0	-3,175.8	1,028.7	3,277.7	0.00	0.00	0.00
10,700.0	90.00	179.81	7,989.0	-3,275.8	1,029.0	3,377.0	0.00	0.00	0.00
10,800.0	90.00	179.81	7,989.0	-3,375.8	1,029.3	3,476.3	0.00	0.00	0.00
10,900.0	90.00	179.81	7,989.0	-3,475.8	1,029.7	3,575.6	0.00	0.00	0.00
11,000.0	90.00	179.81	7,989.0	-3,575.8	1,030.0	3,674.9	0.00	0.00	0.00
11,100.0	90.00	179.81	7,989.0	-3,675.8	1,030.3	3,774.2	0.00	0.00	0.00
11,200.0	90.00	179.81	7,989.0	-3,775.8	1,030.7	3,873.5	0.00	0.00	0.00
11,300.0	90.00	179.81	7,989.0	-3,875.8	1,031.0	3,972.8	0.00	0.00	0.00
11,400.0	90.00	179.81	7,989.0	-3,975.8	1,031.3	4,072.0	0.00	0.00	0.00
11,500.0	90.00	179.81	7,989.0	-4,075.8	1,031.7	4,171.3	0.00	0.00	0.00
11,600.0	90.00	179.81	7,989.0	-4,175.8	1,032.0	4,270.6	0.00	0.00	0.00
11,700.0	90.00	179.81	7,989.0	-4,275.8	1,032.3	4,369.9	0.00	0.00	0.00
11,800.0	90.00	179.81	7,989.0	-4,375.8	1,032.7	4,469.2	0.00	0.00	0.00
11,900.0	90.00	179.81	7,989.0	-4,475.8	1,033.0	4,568.5	0.00	0.00	0.00
12,000.0	90.00	179.81	7,989.0	-4,575.8	1,033.3	4,667.8	0.00	0.00	0.00
12,100.0	90.00	179.81	7,989.0	-4,675.8	1,033.6	4,767.1	0.00	0.00	0.00
12,200.0	90.00	179.81	7,989.0	-4,775.8	1,034.0	4,866.4	0.00	0.00	0.00
12,300.0	90.00	179.81	7,989.0	-4,875.8	1,034.3	4,965.7	0.00	0.00	0.00
12,400.0	90.00	179.81	7,989.0	-4,975.8	1,034.6	5,064.9	0.00	0.00	0.00
12,500.0	90.00	179.81	7,989.0	-5,075.8	1,035.0	5,164.2	0.00	0.00	0.00
12,600.0	90.00	179.81	7,989.0	-5,175.8	1,035.3	5,263.5	0.00	0.00	0.00
12,700.0	90.00	179.81	7,989.0	-5,275.8	1,035.6	5,362.8	0.00	0.00	0.00
12,800.0	90.00	179.81	7,989.0	-5,375.8	1,036.0	5,462.1	0.00	0.00	0.00
12,900.0	90.00	179.81	7,989.0	-5,475.8	1,036.3	5,561.4	0.00	0.00	0.00
13,000.0	90.00	179.81	7,989.0	-5,575.8	1,036.6	5,660.7	0.00	0.00	0.00
13,100.0	90.00	179.81	7,989.0	-5,675.8	1,037.0	5,760.0	0.00	0.00	0.00
13,200.0	90.00	179.81	7,989.0	-5,775.8	1,037.3	5,859.3	0.00	0.00	0.00
13,300.0	90.00	179.81	7,989.0	-5,875.8	1,037.6	5,958.6	0.00	0.00	0.00
13,400.0	90.00	179.81	7,989.0	-5,975.8	1,038.0	6,057.8	0.00	0.00	0.00
13,500.0	90.00	179.81	7,989.0	-6,075.8	1,038.3	6,157.1	0.00	0.00	0.00
13,600.0	90.00	179.81	7,989.0	-6,175.8	1,038.6	6,256.4	0.00	0.00	0.00
13,700.0	90.00	179.81	7,989.0	-6,275.8	1,039.0	6,355.7	0.00	0.00	0.00
13,800.0	90.00	179.81	7,989.0	-6,375.8	1,039.3	6,455.0	0.00	0.00	0.00
13,900.0	90.00	179.81	7,989.0	-6,475.8	1,039.6	6,554.3	0.00	0.00	0.00
14,000.0	90.00	179.81	7,989.0	-6,575.8	1,040.0	6,653.6	0.00	0.00	0.00
14,100.0	90.00	179.81	7,989.0	-6,675.8	1,040.3	6,752.9	0.00	0.00	0.00
14,200.0	90.00	179.81	7,989.0	-6,775.8	1,040.6	6,852.2	0.00	0.00	0.00
14,300.0	90.00	179.81	7,989.0	-6,875.8	1,040.9	6,951.5	0.00	0.00	0.00
14,400.0	90.00	179.81	7,989.0	-6,975.8	1,041.3	7,050.7	0.00	0.00	0.00
14,500.0	90.00	179.81	7,989.0	-7,075.8	1,041.6	7,150.0	0.00	0.00	0.00
14,600.0	90.00	179.81	7,989.0	-7,175.8	1,041.9	7,249.3	0.00	0.00	0.00
14,700.0	90.00	179.81	7,989.0	-7,275.8	1,042.3	7,348.6	0.00	0.00	0.00
14,800.0	90.00	179.81	7,989.0	-7,375.8	1,042.6	7,447.9	0.00	0.00	0.00
14,900.0	90.00	179.81	7,989.0	-7,475.8	1,042.9	7,547.2	0.00	0.00	0.00
15,000.0	90.00	179.81	7,989.0	-7,575.8	1,043.3	7,646.5	0.00	0.00	0.00
15,100.0	90.00	179.81	7,989.0	-7,675.8	1,043.6	7,745.8	0.00	0.00	0.00
15,200.0	90.00	179.81	7,989.0	-7,775.8	1,043.9	7,845.1	0.00	0.00	0.00
15,300.0	90.00	179.81	7,989.0	-7,875.8	1,044.3	7,944.4	0.00	0.00	0.00
15,400.0	90.00	179.81	7,989.0	-7,975.8	1,044.6	8,043.7	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey M-14-23HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-5-14)		

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)	
15,500.0	90.00	179.81	7,989.0	-8,075.8	1,044.9	8,142.9	0.00	0.00	0.00	
15,600.0	90.00	179.81	7,989.0	-8,175.8	1,045.3	8,242.2	0.00	0.00	0.00	
15,700.0	90.00	179.81	7,989.0	-8,275.8	1,045.6	8,341.5	0.00	0.00	0.00	
15,800.0	90.00	179.81	7,989.0	-8,375.8	1,045.9	8,440.8	0.00	0.00	0.00	
15,900.0	90.00	179.81	7,989.0	-8,475.8	1,046.3	8,540.1	0.00	0.00	0.00	
15,920.8	90.00	179.81	7,989.0	-8,496.5	1,046.3	8,560.7	0.00	0.00	0.00	

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
BHL 2603'FNL, 1015'I	0.00	0.00	7,989.0	-8,496.5	1,046.3	1,225,205.32	3,150,564.61	39.950319	-104.962952	
- plan hits target center										
- Point										
SHL 589'FSL, 2036'FI	0.00	0.00	1.0	0.0	0.0	1,233,695.15	3,149,467.24	39.973643	-104.966684	
- plan hits target center										
- Point										
LANDING PT. 465'FN	0.00	0.00	7,989.0	-1,056.0	1,021.6	1,232,645.30	3,150,495.17	39.970744	-104.963039	
- plan hits target center										
- Point										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
8,480.2	7,989.0	7"	7	7-1/2	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
800.0	800.0	0.0	0.0	KOP - Start Build 2.00	
7,393.9	7,318.6	-341.2	921.4	Start DLS 8.00 TFO 69.73	
15,920.8	7,989.0	-8,496.6	1,046.3	TD at 15920.8	

Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey M-14-23HC

Wellbore #1

Plan #2 (11-5-14)

Anticollision Report

07 November, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #2 (11-5-14)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 11/5/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	15,920.8	Plan #2 (11-5-14) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
Existing Pad Sec.11-T1S-R68W						
Ehler 10-14 (P&A) - Wellbore #1 - Wellbore #1						Out of range
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	2,521.6	2,470.0	109.0	52.6	1.933	CC
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	2,600.0	2,547.5	109.6	51.5	1.885	ES
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	2,700.0	2,646.3	112.4	52.0	1.861	SF
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	4,468.7	4,395.9	203.8	101.8	1.998	CC
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	4,700.0	4,624.4	206.9	99.6	1.929	ES
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	4,800.0	4,723.2	210.1	100.7	1.920	SF
Wright 1 (Exist.) - Wellbore #1 - Wellbore #1	8,670.5	7,967.5	364.6	174.9	1.922	CC, ES, SF
Ivey Pad Sec.11-T1S-R68W						
Ivey L-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	800.0	800.0	30.0	26.6	8.891	CC
Ivey L-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	900.0	900.0	30.1	26.3	7.913	ES
Ivey L-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	15,920.8	15,729.8	519.2	207.5	1.666	SF
Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	800.0	800.0	15.0	11.7	4.462	CC
Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	900.0	900.0	15.2	11.4	4.003	ES
Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	15,920.8	15,670.8	297.0	93.8	1.462	Level 3, SF
Ivey N-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	600.0	600.0	15.0	12.6	6.084	CC
Ivey N-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	700.0	699.9	15.3	12.4	5.261	ES
Ivey N-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	15,920.8	15,714.9	297.1	84.5	1.398	Level 3, SF
Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	1,824.2	1,863.0	404.9	394.6	39.195	CC
Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	7,700.0	9,487.7	420.7	354.9	6.399	SF
Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	7,729.0	9,491.3	419.1	354.2	6.460	ES
Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	7,806.8	9,440.1	92.8	30.7	1.493	Level 3, CC, ES, SF
North Washington Pad SEC.23-T1S-R68W						
North Washington 1-23 (Exist.) - Wellbore #1 North Was	14,175.2	8,343.7	295.6	126.9	1.752	CC, ES, SF
North Washington 2-23 (Exist.) - North Washington 2-23	14,036.2	8,320.2	945.4	817.9	7.412	CC, ES
North Washington 2-23 (Exist.) - North Washington 2-23	14,200.0	8,295.0	959.2	828.7	7.353	SF
North Washington 8-23 (Exist.) - Wellbore #1 N Washing	15,301.0	8,198.2	356.8	183.0	2.053	CC, ES, SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1													Offset Site Error: 0.0 ft
Survey Program: 8707-UNKNOWN													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	85.10	21.9	254.8	258.0				
100.0	100.0	65.5	65.5	0.1	1.3	85.10	21.9	254.8	255.7	254.3	1.42	179.745	
200.0	200.0	165.5	165.5	0.3	3.3	85.10	21.9	254.8	255.7	252.1	3.65	70.106	
300.0	300.0	265.5	265.5	0.6	5.3	85.10	21.9	254.8	255.7	249.8	5.87	43.545	
400.0	400.0	365.5	365.5	0.8	7.3	85.10	21.9	254.8	255.7	247.6	8.10	31.580	
500.0	500.0	465.5	465.5	1.0	9.3	85.10	21.9	254.8	255.7	245.4	10.32	24.773	
600.0	600.0	565.5	565.5	1.2	11.3	85.10	21.9	254.8	255.7	243.2	12.55	20.381	
700.0	700.0	665.5	665.5	1.5	13.3	85.10	21.9	254.8	255.7	240.9	14.77	17.311	
800.0	800.0	765.5	765.5	1.7	15.3	85.10	21.9	254.8	255.7	238.7	17.00	15.045	
900.0	900.0	865.5	865.5	1.9	17.3	-25.40	21.9	254.8	254.1	234.9	19.19	13.241	
1,000.0	999.8	965.3	965.3	2.1	19.3	-25.96	21.9	254.8	249.4	228.1	21.35	11.680	
1,100.0	1,099.5	1,065.0	1,065.0	2.3	21.3	-26.94	21.9	254.8	241.6	218.1	23.49	10.285	
1,200.0	1,198.7	1,164.2	1,164.2	2.6	23.3	-28.41	21.9	254.8	230.8	205.2	25.60	9.014	
1,300.0	1,297.6	1,263.1	1,263.1	2.8	25.3	-30.35	21.9	254.8	217.6	189.8	27.76	7.838	
1,400.0	1,396.4	1,361.9	1,361.9	3.1	27.2	-32.53	21.9	254.8	204.4	174.4	29.98	6.818	
1,500.0	1,495.2	1,460.7	1,460.7	3.4	29.2	-35.00	21.9	254.8	191.5	159.3	32.22	5.945	
1,600.0	1,594.0	1,559.5	1,559.5	3.8	31.2	-37.82	21.9	254.8	179.1	144.6	34.48	5.193	
1,700.0	1,692.8	1,658.3	1,658.3	4.1	33.2	-41.04	21.9	254.8	167.1	130.3	36.77	4.545	
1,800.0	1,791.6	1,757.1	1,757.1	4.4	35.1	-44.75	21.9	254.8	155.7	116.7	39.08	3.985	
1,900.0	1,890.4	1,855.9	1,855.9	4.8	37.1	-49.01	21.9	254.8	145.1	103.7	41.42	3.503	
2,000.0	1,989.2	1,954.7	1,954.7	5.1	39.1	-53.90	21.9	254.8	135.4	91.6	43.80	3.092	
2,100.0	2,088.0	2,053.5	2,053.5	5.5	41.1	-59.48	21.9	254.8	126.9	80.7	46.21	2.746	
2,200.0	2,186.8	2,152.3	2,152.3	5.8	43.0	-65.79	21.9	254.8	119.7	71.1	48.64	2.461	
2,300.0	2,285.6	2,251.1	2,251.1	6.2	45.0	-72.79	21.9	254.8	114.2	63.1	51.07	2.236	
2,400.0	2,384.4	2,349.9	2,349.9	6.5	47.0	-80.35	21.9	254.8	110.6	57.1	53.49	2.067	
2,500.0	2,483.2	2,448.7	2,448.7	6.9	49.0	-88.27	21.9	254.8	109.0	53.2	55.87	1.951	
2,521.6	2,504.5	2,470.0	2,470.0	7.0	49.4	-90.00	21.9	254.8	109.0	52.6	56.37	1.933 CC	
2,600.0	2,582.0	2,547.5	2,547.5	7.3	51.0	-96.25	21.9	254.8	109.6	51.5	58.17	1.885 ES	
2,700.0	2,680.8	2,646.3	2,646.3	7.6	52.9	-104.00	21.9	254.8	112.4	52.0	60.40	1.861 SF	
2,800.0	2,779.6	2,745.1	2,745.1	8.0	54.9	-111.27	21.9	254.8	117.1	54.6	62.56	1.872	
2,900.0	2,878.4	2,843.9	2,843.9	8.3	56.9	-117.88	21.9	254.8	123.6	58.9	64.66	1.912	
3,000.0	2,977.2	2,942.7	2,942.7	8.7	58.9	-123.77	21.9	254.8	131.6	64.9	66.73	1.972	
3,100.0	3,076.0	3,041.5	3,041.5	9.1	60.8	-128.96	21.9	254.8	140.8	72.0	68.79	2.047	
3,200.0	3,174.8	3,140.3	3,140.3	9.4	62.8	-133.48	21.9	254.8	151.0	80.2	70.84	2.132	
3,300.0	3,273.6	3,239.1	3,239.1	9.8	64.8	-137.42	21.9	254.8	162.1	89.2	72.91	2.223	
3,400.0	3,372.4	3,337.9	3,337.9	10.2	66.8	-140.84	21.9	254.8	173.8	98.8	74.98	2.318	
3,500.0	3,471.2	3,436.7	3,436.7	10.5	68.7	-143.83	21.9	254.8	186.1	109.0	77.06	2.415	
3,600.0	3,570.1	3,535.6	3,535.6	10.9	70.7	-146.44	21.9	254.8	198.8	119.6	79.16	2.511	
3,700.0	3,668.9	3,634.4	3,634.4	11.3	72.7	-148.74	21.9	254.8	211.9	130.6	81.26	2.607	
3,800.0	3,767.7	3,733.2	3,733.2	11.6	74.7	-150.77	21.9	254.8	225.2	141.8	83.38	2.701	
3,900.0	3,866.5	3,832.0	3,832.0	12.0	76.6	-152.57	21.9	254.8	238.8	153.3	85.51	2.793	
4,000.0	3,965.3	3,930.8	3,930.8	12.4	78.6	-154.18	21.9	254.8	252.6	165.0	87.64	2.883	
4,100.0	4,064.1	4,029.6	4,029.6	12.7	80.6	-155.62	21.9	254.8	266.6	176.9	89.78	2.970	
4,200.0	4,162.9	4,128.4	4,128.4	13.1	82.6	-156.92	21.9	254.8	280.8	188.8	91.93	3.054	
4,300.0	4,261.7	4,227.2	4,227.2	13.5	84.5	-158.09	21.9	254.8	295.1	201.0	94.09	3.136	
4,400.0	4,360.5	4,326.0	4,326.0	13.8	86.5	-159.15	21.9	254.8	309.4	213.2	96.25	3.215	
4,500.0	4,459.3	4,424.8	4,424.8	14.2	88.5	-160.12	21.9	254.8	323.9	225.5	98.41	3.291	
4,600.0	4,558.1	4,523.6	4,523.6	14.6	90.5	-161.01	21.9	254.8	338.5	237.9	100.58	3.365	
4,700.0	4,656.9	4,622.4	4,622.4	15.0	92.4	-161.82	21.9	254.8	353.1	250.4	102.75	3.437	
4,800.0	4,755.7	4,721.2	4,721.2	15.3	94.4	-162.57	21.9	254.8	367.8	262.9	104.92	3.506	
4,900.0	4,854.5	4,820.0	4,820.0	15.7	96.4	-163.26	21.9	254.8	382.5	275.5	107.09	3.572	
5,000.0	4,953.3	4,918.8	4,918.8	16.1	98.4	-163.90	21.9	254.8	397.4	288.1	109.27	3.636	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1													Offset Site Error: 0.0 ft
Survey Program: 8707-UNKNOWN													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,100.0	5,052.1	5,017.6	5,017.6	16.4	100.4	-164.49	21.9	254.8	412.2	300.8	111.45	3.699	
5,200.0	5,150.9	5,116.4	5,116.4	16.8	102.3	-165.05	21.9	254.8	427.1	313.5	113.63	3.759	
5,300.0	5,249.7	5,215.2	5,215.2	17.2	104.3	-165.56	21.9	254.8	442.0	326.2	115.81	3.817	
5,400.0	5,348.5	5,314.0	5,314.0	17.5	106.3	-166.04	21.9	254.8	457.0	339.0	118.00	3.873	
5,500.0	5,447.3	5,412.8	5,412.8	17.9	108.3	-166.50	21.9	254.8	472.0	351.8	120.18	3.927	
5,600.0	5,546.1	5,511.6	5,511.6	18.3	110.2	-166.92	21.9	254.8	487.0	364.6	122.37	3.980	
5,700.0	5,644.9	5,610.4	5,610.4	18.7	112.2	-167.32	21.9	254.8	502.0	377.5	124.56	4.030	
5,800.0	5,743.7	5,709.2	5,709.2	19.0	114.2	-167.69	21.9	254.8	517.1	390.3	126.75	4.080	
5,900.0	5,842.6	5,808.1	5,808.1	19.4	116.2	-168.05	21.9	254.8	532.2	403.2	128.94	4.127	
6,000.0	5,941.4	5,906.9	5,906.9	19.8	118.1	-168.38	21.9	254.8	547.3	416.1	131.13	4.174	
6,100.0	6,040.2	6,005.7	6,005.7	20.1	120.1	-168.70	21.9	254.8	562.4	429.1	133.32	4.218	
6,200.0	6,139.0	6,104.5	6,104.5	20.5	122.1	-169.00	21.9	254.8	577.5	442.0	135.51	4.262	
6,300.0	6,237.8	6,203.3	6,203.3	20.9	124.1	-169.28	21.9	254.8	592.7	455.0	137.70	4.304	
6,400.0	6,336.6	6,302.1	6,302.1	21.3	126.0	-169.55	21.9	254.8	607.8	467.9	139.89	4.345	
6,500.0	6,435.4	6,400.9	6,400.9	21.6	128.0	-169.81	21.9	254.8	623.0	480.9	142.09	4.385	
6,600.0	6,534.2	6,499.7	6,499.7	22.0	130.0	-170.05	21.9	254.8	638.2	493.9	144.28	4.423	
6,700.0	6,633.0	6,598.5	6,598.5	22.4	132.0	-170.29	21.9	254.8	653.4	506.9	146.48	4.461	
6,800.0	6,731.8	6,697.3	6,697.3	22.7	133.9	-170.51	21.9	254.8	668.6	519.9	148.67	4.497	
6,900.0	6,830.6	6,796.1	6,796.1	23.1	135.9	-170.72	21.9	254.8	683.8	532.9	150.87	4.533	
7,000.0	6,929.4	6,894.9	6,894.9	23.5	137.9	-170.93	21.9	254.8	699.0	546.0	153.06	4.567	
7,100.0	7,028.2	6,993.7	6,993.7	23.9	139.9	-171.12	21.9	254.8	714.3	559.0	155.26	4.601	
7,200.0	7,127.0	7,092.5	7,092.5	24.2	141.9	-171.31	21.9	254.8	729.5	572.0	157.45	4.633	
7,300.0	7,225.8	7,191.3	7,191.3	24.6	143.8	-171.49	21.9	254.8	744.8	585.1	159.65	4.665	
7,400.0	7,324.6	7,290.1	7,290.1	25.0	145.8	-174.60	21.9	254.8	760.0	598.3	161.75	4.699	
7,500.0	7,422.6	7,388.1	7,388.1	25.3	147.8	153.59	21.9	254.8	778.9	616.9	162.03	4.807	
7,600.0	7,517.9	7,483.4	7,483.4	25.8	149.7	140.44	21.9	254.8	804.3	642.6	161.71	4.974	
7,700.0	7,608.5	7,574.0	7,574.0	26.3	151.5	133.90	21.9	254.8	836.4	675.5	160.91	5.198	
7,800.0	7,692.7	7,658.2	7,658.2	26.9	153.2	129.89	21.9	254.8	875.5	715.6	159.89	5.476	
7,900.0	7,768.9	7,734.4	7,734.4	27.5	154.7	126.74	21.9	254.8	922.0	762.8	159.21	5.791	
8,000.0	7,835.6	7,801.1	7,801.1	28.3	156.0	123.54	21.9	254.8	976.1	816.3	159.77	6.109	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 8250-UNKNOWN													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance										Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	89.34	6.6	569.2	570.2					
100.0	100.0	67.5	67.5	0.1	1.4	89.34	6.6	569.2	569.3	567.8	1.46	389.222		
200.0	200.0	167.5	167.5	0.3	3.4	89.34	6.6	569.2	569.3	565.6	3.69	154.384		
300.0	300.0	267.5	267.5	0.6	5.4	89.34	6.6	569.2	569.3	563.4	5.91	96.289		
400.0	400.0	367.5	367.5	0.8	7.4	89.34	6.6	569.2	569.3	561.1	8.14	69.962		
500.0	500.0	467.5	467.5	1.0	9.4	89.34	6.6	569.2	569.3	558.9	10.36	54.940		
600.0	600.0	567.5	567.5	1.2	11.4	89.34	6.6	569.2	569.3	556.7	12.59	45.229		
700.0	700.0	667.5	667.5	1.5	13.4	89.34	6.6	569.2	569.3	554.5	14.81	38.435		
800.0	800.0	767.5	767.5	1.7	15.4	89.34	6.6	569.2	569.3	552.2	17.04	33.416		
900.0	900.0	867.5	867.5	1.9	17.3	-21.05	6.6	569.2	567.6	548.4	19.23	29.515		
1,000.0	999.8	967.3	967.3	2.1	19.3	-21.28	6.6	569.2	562.8	541.4	21.39	26.310		
1,100.0	1,099.5	1,067.0	1,067.0	2.3	21.3	-21.67	6.6	569.2	554.6	531.1	23.52	23.582		
1,200.0	1,198.7	1,166.2	1,166.2	2.6	23.3	-22.23	6.6	569.2	543.3	517.7	25.62	21.208		
1,300.0	1,297.6	1,265.1	1,265.1	2.8	25.3	-22.89	6.6	569.2	529.4	501.6	27.76	19.073		
1,400.0	1,396.4	1,363.9	1,363.9	3.1	27.3	-23.56	6.6	569.2	515.2	485.2	29.95	17.201		
1,500.0	1,495.2	1,462.7	1,462.7	3.4	29.3	-24.26	6.6	569.2	501.1	468.9	32.15	15.583		
1,600.0	1,594.0	1,561.5	1,561.5	3.8	31.2	-25.00	6.6	569.2	487.0	452.6	34.36	14.172		
1,700.0	1,692.8	1,660.3	1,660.3	4.1	33.2	-25.79	6.6	569.2	473.0	436.5	36.58	12.931		
1,800.0	1,791.6	1,759.1	1,759.1	4.4	35.2	-26.63	6.6	569.2	459.2	420.4	38.81	11.831		
1,900.0	1,890.4	1,857.9	1,857.9	4.8	37.2	-27.51	6.6	569.2	445.4	404.4	41.05	10.852		
2,000.0	1,989.2	1,956.7	1,956.7	5.1	39.1	-28.46	6.6	569.2	431.8	388.5	43.29	9.975		
2,100.0	2,088.0	2,055.5	2,055.5	5.5	41.1	-29.46	6.6	569.2	418.2	372.7	45.54	9.185		
2,200.0	2,186.8	2,154.3	2,154.3	5.8	43.1	-30.53	6.6	569.2	404.8	357.0	47.80	8.470		
2,300.0	2,285.6	2,253.1	2,253.1	6.2	45.1	-31.67	6.6	569.2	391.6	341.5	50.06	7.822		
2,400.0	2,384.4	2,351.9	2,351.9	6.5	47.0	-32.89	6.6	569.2	378.5	326.2	52.34	7.232		
2,500.0	2,483.2	2,450.7	2,450.7	6.9	49.0	-34.20	6.6	569.2	365.6	311.0	54.63	6.693		
2,600.0	2,582.0	2,549.5	2,549.5	7.3	51.0	-35.60	6.6	569.2	352.9	296.0	56.92	6.200		
2,700.0	2,680.8	2,648.3	2,648.3	7.6	53.0	-37.11	6.6	569.2	340.5	281.2	59.23	5.748		
2,800.0	2,779.6	2,747.1	2,747.1	8.0	54.9	-38.72	6.6	569.2	328.2	266.7	61.56	5.332		
2,900.0	2,878.4	2,845.9	2,845.9	8.3	56.9	-40.46	6.6	569.2	316.3	252.4	63.90	4.950		
3,000.0	2,977.2	2,944.7	2,944.7	8.7	58.9	-42.33	6.6	569.2	304.7	238.4	66.25	4.599		
3,100.0	3,076.0	3,043.5	3,043.5	9.1	60.9	-44.35	6.6	569.2	293.4	224.8	68.62	4.276		
3,200.0	3,174.8	3,142.3	3,142.3	9.4	62.8	-46.52	6.6	569.2	282.5	211.5	71.01	3.978		
3,300.0	3,273.6	3,241.1	3,241.1	9.8	64.8	-48.86	6.6	569.2	272.1	198.6	73.42	3.706		
3,400.0	3,372.4	3,339.9	3,339.9	10.2	66.8	-51.38	6.6	569.2	262.1	186.3	75.84	3.456		
3,500.0	3,471.2	3,438.7	3,438.7	10.5	68.8	-54.09	6.6	569.2	252.7	174.4	78.28	3.228		
3,600.0	3,570.1	3,537.6	3,537.6	10.9	70.8	-57.00	6.6	569.2	243.9	163.1	80.74	3.021		
3,700.0	3,668.9	3,636.4	3,636.4	11.3	72.7	-60.12	6.6	569.2	235.8	152.6	83.21	2.833		
3,800.0	3,767.7	3,735.2	3,735.2	11.6	74.7	-63.44	6.6	569.2	228.4	142.7	85.70	2.665		
3,900.0	3,866.5	3,834.0	3,834.0	12.0	76.7	-66.97	6.6	569.2	221.9	133.7	88.18	2.516		
4,000.0	3,965.3	3,932.8	3,932.8	12.4	78.7	-70.69	6.6	569.2	216.3	125.6	90.67	2.385		
4,100.0	4,064.1	4,031.6	4,031.6	12.7	80.6	-74.59	6.6	569.2	211.6	118.5	93.14	2.272		
4,200.0	4,162.9	4,130.4	4,130.4	13.1	82.6	-78.64	6.6	569.2	208.0	112.4	95.60	2.176		
4,300.0	4,261.7	4,229.2	4,229.2	13.5	84.6	-82.81	6.6	569.2	205.5	107.5	98.02	2.096		
4,400.0	4,360.5	4,328.0	4,328.0	13.8	86.6	-87.06	6.6	569.2	204.1	103.7	100.40	2.033		
4,468.7	4,428.4	4,395.9	4,395.9	14.1	87.9	-90.00	6.6	569.2	203.8	101.8	102.02	1.998 CC		
4,500.0	4,459.3	4,426.8	4,426.8	14.2	88.5	-91.34	6.6	569.2	203.9	101.1	102.74	1.984		
4,600.0	4,558.1	4,525.6	4,525.6	14.6	90.5	-95.60	6.6	569.2	204.8	99.8	105.03	1.950		
4,700.0	4,656.9	4,624.4	4,624.4	15.0	92.5	-99.81	6.6	569.2	206.9	99.6	107.27	1.929 ES		
4,800.0	4,755.7	4,723.2	4,723.2	15.3	94.5	-103.91	6.6	569.2	210.1	100.7	109.46	1.920 SF		
4,900.0	4,854.5	4,822.0	4,822.0	15.7	96.4	-107.87	6.6	569.2	214.4	102.8	111.61	1.921		
5,000.0	4,953.3	4,920.8	4,920.8	16.1	98.4	-111.66	6.6	569.2	219.7	106.0	113.71	1.932		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 8250-UNKNOWN													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.0	5,052.1	5,019.6	5,019.6	16.4	100.4	-115.26	6.6	569.2	225.9	110.1	115.79	1.951		
5,200.0	5,150.9	5,118.4	5,118.4	16.8	102.4	-118.66	6.6	569.2	232.9	115.1	117.83	1.977		
5,300.0	5,249.7	5,217.2	5,217.2	17.2	104.3	-121.85	6.6	569.2	240.8	120.9	119.87	2.009		
5,400.0	5,348.5	5,316.0	5,316.0	17.5	106.3	-124.84	6.6	569.2	249.3	127.4	121.89	2.045		
5,500.0	5,447.3	5,414.8	5,414.8	17.9	108.3	-127.62	6.6	569.2	258.5	134.6	123.90	2.086		
5,600.0	5,546.1	5,513.6	5,513.6	18.3	110.3	-130.22	6.6	569.2	268.3	142.3	125.92	2.130		
5,700.0	5,644.9	5,612.4	5,612.4	18.7	112.2	-132.62	6.6	569.2	278.5	150.6	127.94	2.177		
5,800.0	5,743.7	5,711.2	5,711.2	19.0	114.2	-134.86	6.6	569.2	289.3	159.3	129.96	2.226		
5,900.0	5,842.6	5,810.1	5,810.1	19.4	116.2	-136.93	6.6	569.2	300.4	168.4	131.98	2.276		
6,000.0	5,941.4	5,908.9	5,908.9	19.8	118.2	-138.85	6.6	569.2	311.9	177.9	134.02	2.327		
6,100.0	6,040.2	6,007.7	6,007.7	20.1	120.2	-140.64	6.6	569.2	323.7	187.7	136.06	2.379		
6,200.0	6,139.0	6,106.5	6,106.5	20.5	122.1	-142.30	6.6	569.2	335.8	197.7	138.11	2.432		
6,300.0	6,237.8	6,205.3	6,205.3	20.9	124.1	-143.85	6.6	569.2	348.2	208.1	140.17	2.484		
6,400.0	6,336.6	6,304.1	6,304.1	21.3	126.1	-145.29	6.6	569.2	360.8	218.6	142.24	2.537		
6,500.0	6,435.4	6,402.9	6,402.9	21.6	128.1	-146.63	6.6	569.2	373.7	229.3	144.32	2.589		
6,600.0	6,534.2	6,501.7	6,501.7	22.0	130.0	-147.88	6.6	569.2	386.7	240.3	146.40	2.641		
6,700.0	6,633.0	6,600.5	6,600.5	22.4	132.0	-149.05	6.6	569.2	399.9	251.4	148.50	2.693		
6,800.0	6,731.8	6,699.3	6,699.3	22.7	134.0	-150.15	6.6	569.2	413.2	262.6	150.60	2.744		
6,900.0	6,830.6	6,798.1	6,798.1	23.1	136.0	-151.18	6.6	569.2	426.7	274.0	152.70	2.794		
7,000.0	6,929.4	6,896.9	6,896.9	23.5	137.9	-152.14	6.6	569.2	440.3	285.5	154.81	2.844		
7,100.0	7,028.2	6,995.7	6,995.7	23.9	139.9	-153.05	6.6	569.2	454.0	297.1	156.93	2.893		
7,200.0	7,127.0	7,094.5	7,094.5	24.2	141.9	-153.90	6.6	569.2	467.8	308.8	159.05	2.941		
7,300.0	7,225.8	7,193.3	7,193.3	24.6	143.9	-154.71	6.6	569.2	481.8	320.6	161.18	2.989		
7,400.0	7,324.6	7,292.1	7,292.1	25.0	145.8	-155.39	6.6	569.2	495.8	332.6	163.18	3.038		
7,500.0	7,422.6	7,390.1	7,390.1	25.3	147.8	-156.59	6.6	569.2	515.3	353.0	162.30	3.175		
7,600.0	7,517.9	7,485.4	7,485.4	25.8	149.7	-156.36	6.6	569.2	544.1	384.2	159.93	3.402		
7,700.0	7,608.5	7,576.0	7,576.0	26.3	151.5	-149.81	6.6	569.2	582.3	426.1	156.18	3.728		
7,800.0	7,692.7	7,660.2	7,660.2	26.9	153.2	-145.78	6.6	569.2	629.7	478.3	151.41	4.159		
7,900.0	7,768.9	7,736.4	7,736.4	27.5	154.7	-142.56	6.6	569.2	686.3	539.9	146.44	4.687		
8,000.0	7,835.6	7,803.1	7,803.1	28.3	156.1	-139.11	6.6	569.2	751.8	608.9	142.88	5.262		
8,100.0	7,891.5	7,859.0	7,859.0	29.1	157.2	-134.59	6.6	569.2	825.2	682.1	143.13	5.765		
8,200.0	7,935.4	7,902.9	7,902.9	30.0	158.1	-128.05	6.6	569.2	905.6	755.7	149.89	6.042		
8,300.0	7,966.7	7,934.2	7,934.2	31.0	158.7	-118.30	6.6	569.2	991.6	827.5	164.01	6.046		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Wright 1 (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8105-UNKNOWN												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
7,500.0	7,422.6	7,401.1	7,401.1	25.3	148.0	8.83	-1,245.1	1,386.9	997.8	833.0	164.71	6.058	
7,600.0	7,517.9	7,496.4	7,496.4	25.8	149.9	-4.82	-1,245.1	1,386.9	967.5	807.0	160.50	6.028	
7,700.0	7,608.5	7,587.0	7,587.0	26.3	151.7	-13.08	-1,245.1	1,386.9	925.9	772.0	153.85	6.018	
7,800.0	7,692.7	7,671.2	7,671.2	26.9	153.4	-20.09	-1,245.1	1,386.9	873.7	727.8	145.94	5.987	
7,900.0	7,768.9	7,747.4	7,747.4	27.5	154.9	-27.66	-1,245.1	1,386.9	812.5	673.1	139.34	5.831	
8,000.0	7,835.6	7,814.1	7,814.1	28.3	156.3	-36.94	-1,245.1	1,386.9	743.9	605.3	138.57	5.368	
8,100.0	7,891.5	7,870.0	7,870.0	29.1	157.4	-48.56	-1,245.1	1,386.9	670.2	522.4	147.78	4.535	
8,200.0	7,935.4	7,913.9	7,913.9	30.0	158.3	-62.02	-1,245.1	1,386.9	594.5	430.1	164.38	3.616	
8,300.0	7,966.7	7,945.2	7,945.2	31.0	158.9	-75.11	-1,245.1	1,386.9	520.7	342.0	178.74	2.913	
8,400.0	7,984.6	7,963.1	7,963.1	32.1	159.3	-85.16	-1,245.1	1,386.9	454.4	269.0	185.43	2.450	
8,500.0	7,989.0	7,967.5	7,967.5	33.2	159.4	-90.00	-1,245.1	1,386.9	402.5	215.3	187.22	2.150	
8,600.0	7,989.0	7,967.5	7,967.5	34.4	159.4	-90.00	-1,245.1	1,386.9	371.3	182.7	188.64	1.969	
8,670.5	7,989.0	7,967.5	7,967.5	35.3	159.4	-90.00	-1,245.1	1,386.9	364.6	174.9	189.68	1.922 CC, ES, SF	
8,700.0	7,989.0	7,967.5	7,967.5	35.6	159.4	-90.00	-1,245.1	1,386.9	365.8	175.7	190.11	1.924	
8,800.0	7,989.0	7,967.5	7,967.5	37.0	159.4	-90.00	-1,245.1	1,386.9	386.9	195.3	191.63	2.019	
8,900.0	7,989.0	7,967.5	7,967.5	38.3	159.4	-90.00	-1,245.1	1,386.9	430.8	237.6	193.19	2.230	
9,000.0	7,989.0	7,967.5	7,967.5	39.7	159.4	-90.00	-1,245.1	1,386.9	491.4	296.6	194.79	2.523	
9,100.0	7,989.0	7,967.5	7,967.5	41.2	159.4	-90.00	-1,245.1	1,386.9	563.4	367.0	196.41	2.868	
9,200.0	7,989.0	7,967.5	7,967.5	42.7	159.4	-90.00	-1,245.1	1,386.9	642.9	444.8	198.06	3.246	
9,300.0	7,989.0	7,967.5	7,967.5	44.2	159.4	-90.00	-1,245.1	1,386.9	727.5	527.7	199.74	3.642	
9,400.0	7,989.0	7,967.5	7,967.5	45.8	159.4	-90.00	-1,245.1	1,386.9	815.5	614.1	201.43	4.049	
9,500.0	7,989.0	7,967.5	7,967.5	47.3	159.4	-90.00	-1,245.1	1,386.9	906.1	703.0	203.14	4.460	
9,600.0	7,989.0	7,967.5	7,967.5	49.0	159.4	-90.00	-1,245.1	1,386.9	998.5	793.6	204.87	4.874	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey L-14-23HN - Wellbore #1 - Plan #2 (11-4-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-157.46	-27.7	-11.5	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	-157.46	-27.7	-11.5	30.0	29.8	0.22	133.364		
200.0	200.0	200.0	200.0	0.3	0.3	-157.46	-27.7	-11.5	30.0	29.3	0.67	44.455		
300.0	300.0	300.0	300.0	0.6	0.6	-157.46	-27.7	-11.5	30.0	28.9	1.12	26.673		
400.0	400.0	400.0	400.0	0.8	0.8	-157.46	-27.7	-11.5	30.0	28.4	1.57	19.052		
500.0	500.0	500.0	500.0	1.0	1.0	-157.46	-27.7	-11.5	30.0	28.0	2.02	14.818		
600.0	600.0	600.0	600.0	1.2	1.2	-157.46	-27.7	-11.5	30.0	27.5	2.47	12.124		
700.0	700.0	700.0	700.0	1.5	1.5	-157.46	-27.7	-11.5	30.0	27.1	2.92	10.259		
800.0	800.0	800.0	800.0	1.7	1.7	-157.46	-27.7	-11.5	30.0	26.6	3.37	8.891 CC		
900.0	900.0	900.0	900.0	1.9	1.9	95.54	-27.7	-11.5	30.1	26.3	3.80	7.913 ES		
1,000.0	999.8	999.8	999.8	2.1	2.1	105.17	-27.7	-11.5	31.0	26.8	4.23	7.345		
1,100.0	1,099.5	1,099.5	1,099.5	2.3	2.4	119.23	-27.7	-11.5	34.4	29.7	4.66	7.376		
1,200.0	1,198.7	1,198.7	1,198.7	2.6	2.6	133.84	-27.7	-11.5	41.7	36.6	5.10	8.186		
1,300.0	1,297.6	1,298.8	1,298.8	2.8	2.8	144.34	-28.5	-10.0	52.1	46.6	5.52	9.454		
1,400.0	1,396.4	1,399.8	1,399.6	3.1	3.0	149.36	-31.2	-5.5	61.3	55.4	5.93	10.338		
1,500.0	1,495.2	1,501.3	1,500.8	3.4	3.2	151.27	-35.6	2.2	68.0	61.6	6.36	10.681		
1,600.0	1,594.0	1,601.6	1,600.4	3.8	3.4	151.66	-41.2	11.9	72.8	66.0	6.82	10.672		
1,700.0	1,692.8	1,701.5	1,699.7	4.1	3.6	151.96	-46.8	21.6	77.5	70.3	7.29	10.636		
1,800.0	1,791.6	1,801.4	1,798.9	4.4	3.9	152.23	-52.4	31.3	82.3	74.5	7.77	10.591		
1,900.0	1,890.4	1,901.3	1,898.2	4.8	4.2	152.47	-58.1	41.0	87.1	78.8	8.26	10.541		
2,000.0	1,989.2	2,001.1	1,997.4	5.1	4.4	152.68	-63.7	50.7	91.8	83.1	8.75	10.489		
2,100.0	2,088.0	2,101.0	2,096.7	5.5	4.7	152.87	-69.3	60.5	96.6	87.3	9.26	10.437		
2,200.0	2,186.8	2,200.9	2,195.9	5.8	5.0	153.05	-74.9	70.2	101.4	91.6	9.76	10.384		
2,300.0	2,285.6	2,300.8	2,295.2	6.2	5.2	153.21	-80.5	79.9	106.1	95.9	10.27	10.334		
2,400.0	2,384.4	2,400.7	2,394.4	6.5	5.5	153.35	-86.2	89.6	110.9	100.1	10.78	10.284		
2,500.0	2,483.2	2,500.6	2,493.7	6.9	5.8	153.49	-91.8	99.3	115.7	104.4	11.30	10.237		
2,600.0	2,582.0	2,600.5	2,593.0	7.3	6.1	153.61	-97.4	109.0	120.4	108.6	11.82	10.192		
2,700.0	2,680.8	2,700.3	2,692.2	7.6	6.4	153.72	-103.0	118.7	125.2	112.9	12.34	10.148		
2,800.0	2,779.6	2,800.2	2,791.5	8.0	6.7	153.83	-108.6	128.5	130.0	117.1	12.86	10.107		
2,900.0	2,878.4	2,900.1	2,890.7	8.3	7.0	153.92	-114.2	138.2	134.7	121.3	13.38	10.068		
3,000.0	2,977.2	3,000.0	2,990.0	8.7	7.3	154.02	-119.9	147.9	139.5	125.6	13.91	10.031		
3,100.0	3,076.0	3,099.9	3,089.2	9.1	7.6	154.10	-125.5	157.6	144.3	129.8	14.43	9.996		
3,200.0	3,174.8	3,199.8	3,188.5	9.4	7.9	154.18	-131.1	167.3	149.0	134.1	14.96	9.962		
3,300.0	3,273.6	3,299.7	3,287.7	9.8	8.2	154.25	-136.7	177.0	153.8	138.3	15.49	9.930		
3,400.0	3,372.4	3,399.5	3,387.0	10.2	8.5	154.32	-142.3	186.7	158.6	142.6	16.02	9.900		
3,500.0	3,471.2	3,499.4	3,486.2	10.5	8.8	154.39	-147.9	196.4	163.3	146.8	16.55	9.871		
3,600.0	3,570.1	3,599.3	3,585.5	10.9	9.1	154.45	-153.6	206.2	168.1	151.0	17.08	9.843		
3,700.0	3,668.9	3,699.2	3,684.7	11.3	9.4	154.51	-159.2	215.9	172.9	155.3	17.61	9.817		
3,800.0	3,767.7	3,799.1	3,784.0	11.6	9.7	154.57	-164.8	225.6	177.7	159.5	18.14	9.792		
3,900.0	3,866.5	3,899.0	3,883.2	12.0	10.0	154.62	-170.4	235.3	182.4	163.8	18.68	9.768		
4,000.0	3,965.3	3,998.9	3,982.5	12.4	10.3	154.67	-176.0	245.0	187.2	168.0	19.21	9.745		
4,100.0	4,064.1	4,098.7	4,081.8	12.7	10.6	154.72	-181.7	254.7	192.0	172.2	19.74	9.723		
4,200.0	4,162.9	4,198.6	4,181.0	13.1	10.9	154.76	-187.3	264.4	196.7	176.5	20.28	9.702		
4,300.0	4,261.7	4,298.5	4,280.3	13.5	11.2	154.81	-192.9	274.1	201.5	180.7	20.81	9.683		
4,400.0	4,360.5	4,398.4	4,379.5	13.8	11.5	154.85	-198.5	283.9	206.3	184.9	21.35	9.663		
4,500.0	4,459.3	4,498.3	4,478.8	14.2	11.8	154.89	-204.1	293.6	211.1	189.2	21.88	9.645		
4,600.0	4,558.1	4,598.2	4,578.0	14.6	12.1	154.92	-209.7	303.3	215.8	193.4	22.42	9.628		
4,700.0	4,656.9	4,698.1	4,677.3	15.0	12.4	154.96	-215.4	313.0	220.6	197.7	22.95	9.611		
4,800.0	4,755.7	4,797.9	4,776.5	15.3	12.7	154.99	-221.0	322.7	225.4	201.9	23.49	9.595		
4,900.0	4,854.5	4,897.8	4,875.8	15.7	13.0	155.03	-226.6	332.4	230.2	206.1	24.03	9.579		
5,000.0	4,953.3	4,997.7	4,975.0	16.1	13.3	155.06	-232.2	342.1	234.9	210.4	24.56	9.564		
5,100.0	5,052.1	5,097.6	5,074.3	16.4	13.6	155.09	-237.8	351.9	239.7	214.6	25.10	9.550		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey L-14-23HN - Wellbore #1 - Plan #2 (11-4-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,150.9	5,197.5	5,173.5	16.8	13.9	155.12	-243.4	361.6	244.5	218.8	25.64	9.536	
5,300.0	5,249.7	5,297.4	5,272.8	17.2	14.2	155.15	-249.1	371.3	249.2	223.1	26.17	9.522	
5,400.0	5,348.5	5,397.3	5,372.1	17.5	14.6	155.17	-254.7	381.0	254.0	227.3	26.71	9.509	
5,500.0	5,447.3	5,497.1	5,471.3	17.9	14.9	155.20	-260.3	390.7	258.8	231.5	27.25	9.497	
5,600.0	5,546.1	5,597.0	5,570.6	18.3	15.2	155.22	-265.9	400.4	263.6	235.8	27.79	9.485	
5,700.0	5,644.9	5,696.9	5,669.8	18.7	15.5	155.25	-271.5	410.1	268.3	240.0	28.32	9.473	
5,800.0	5,743.7	5,796.8	5,769.1	19.0	15.8	155.27	-277.2	419.8	273.1	244.2	28.86	9.462	
5,900.0	5,842.6	5,896.7	5,868.3	19.4	16.1	155.29	-282.8	429.6	277.9	248.5	29.40	9.451	
6,000.0	5,941.4	5,996.6	5,967.6	19.8	16.4	155.32	-288.4	439.3	282.7	252.7	29.94	9.441	
6,100.0	6,040.2	6,096.5	6,066.8	20.1	16.7	155.34	-294.0	449.0	287.4	256.9	30.48	9.431	
6,200.0	6,139.0	6,196.3	6,166.1	20.5	17.0	155.36	-299.6	458.7	292.2	261.2	31.02	9.421	
6,300.0	6,237.8	6,296.2	6,265.3	20.9	17.3	155.38	-305.2	468.4	297.0	265.4	31.55	9.411	
6,400.0	6,336.6	6,396.1	6,364.6	21.3	17.6	155.40	-310.9	478.1	301.7	269.6	32.09	9.402	
6,500.0	6,435.4	6,496.0	6,463.8	21.6	17.9	155.41	-316.5	487.8	306.5	273.9	32.63	9.393	
6,600.0	6,534.2	6,595.9	6,563.1	22.0	18.3	155.43	-322.1	497.5	311.3	278.1	33.17	9.384	
6,700.0	6,633.0	6,695.8	6,662.4	22.4	18.6	155.45	-327.7	507.3	316.1	282.4	33.71	9.376	
6,800.0	6,731.8	6,788.5	6,754.6	22.7	18.8	155.57	-332.4	515.4	321.8	287.6	34.18	9.413	
6,900.0	6,830.6	6,879.6	6,845.4	23.1	19.0	155.96	-335.6	520.9	330.1	295.5	34.57	9.548	
7,000.0	6,929.4	6,970.0	6,935.8	23.5	19.1	156.60	-337.3	523.9	341.1	306.2	34.90	9.773	
7,100.0	7,028.2	7,062.4	7,028.2	23.9	19.3	157.46	-337.7	524.5	354.6	319.4	35.20	10.075	
7,200.0	7,127.0	7,161.2	7,127.0	24.2	19.5	158.38	-337.7	524.5	368.9	333.4	35.50	10.393	
7,300.0	7,225.8	7,259.4	7,225.0	24.6	19.6	158.30	-343.8	524.5	383.4	347.4	36.00	10.648	
7,400.0	7,324.6	7,355.6	7,319.2	25.0	19.9	153.40	-362.6	524.6	398.3	361.4	36.92	10.789	
7,500.0	7,422.6	7,450.0	7,408.4	25.3	20.3	118.85	-393.2	524.7	414.0	375.7	38.29	10.813	
7,600.0	7,517.9	7,539.9	7,488.9	25.8	20.7	103.03	-433.1	524.8	429.9	390.2	39.76	10.812	
7,700.0	7,608.5	7,629.3	7,563.4	26.3	21.1	94.01	-482.3	524.9	445.6	404.3	41.29	10.791	
7,800.0	7,692.7	7,717.2	7,630.2	26.9	21.7	88.00	-539.5	525.1	460.4	417.6	42.78	10.763	
7,900.0	7,768.9	7,804.0	7,688.7	27.5	22.3	83.65	-603.5	525.3	474.1	429.9	44.18	10.731	
8,000.0	7,835.6	7,889.8	7,738.5	28.3	23.1	80.40	-673.3	525.5	486.2	440.7	45.47	10.692	
8,100.0	7,891.5	7,974.9	7,779.4	29.1	23.9	77.97	-747.9	525.7	496.4	449.7	46.66	10.638	
8,200.0	7,935.4	8,059.3	7,810.8	30.0	24.8	76.19	-826.2	526.0	504.5	456.7	47.78	10.559	
8,300.0	7,966.7	8,143.3	7,832.8	31.0	25.8	74.98	-907.2	526.2	510.3	461.5	48.87	10.442	
8,400.0	7,984.6	8,227.0	7,845.1	32.1	26.9	74.29	-989.9	526.5	513.7	463.8	49.99	10.277	
8,500.0	7,989.0	8,314.3	7,848.0	33.2	28.0	74.09	-1,077.2	526.7	514.7	463.2	51.47	9.999	
8,600.0	7,989.0	8,414.3	7,847.7	34.4	29.4	74.07	-1,177.2	527.1	514.7	460.5	54.21	9.495	
8,700.0	7,989.0	8,514.3	7,847.5	35.6	30.8	74.05	-1,277.2	527.4	514.8	457.7	57.05	9.023	
8,800.0	7,989.0	8,614.3	7,847.3	37.0	32.3	74.03	-1,377.2	527.7	514.9	454.9	59.99	8.583	
8,900.0	7,989.0	8,714.3	7,847.1	38.3	33.8	74.00	-1,477.2	528.1	514.9	451.9	63.00	8.173	
9,000.0	7,989.0	8,814.3	7,846.9	39.7	35.4	73.98	-1,577.2	528.4	515.0	448.9	66.09	7.792	
9,100.0	7,989.0	8,914.3	7,846.7	41.2	37.0	73.96	-1,677.2	528.7	515.0	445.8	69.23	7.439	
9,200.0	7,989.0	9,014.3	7,846.4	42.7	38.6	73.93	-1,777.2	529.1	515.1	442.7	72.43	7.112	
9,300.0	7,989.0	9,114.3	7,846.2	44.2	40.3	73.91	-1,877.2	529.4	515.1	439.5	75.67	6.808	
9,400.0	7,989.0	9,214.3	7,846.0	45.8	42.0	73.89	-1,977.2	529.7	515.2	436.2	78.95	6.526	
9,500.0	7,989.0	9,314.3	7,845.8	47.3	43.7	73.86	-2,077.2	530.1	515.3	433.0	82.26	6.264	
9,600.0	7,989.0	9,414.3	7,845.6	49.0	45.4	73.84	-2,177.2	530.4	515.3	429.7	85.61	6.020	
9,700.0	7,989.0	9,514.3	7,845.4	50.6	47.1	73.82	-2,277.1	530.7	515.4	426.4	88.98	5.792	
9,800.0	7,989.0	9,614.3	7,845.2	52.2	48.8	73.79	-2,377.1	531.1	515.4	423.1	92.37	5.580	
9,900.0	7,989.0	9,714.3	7,844.9	53.9	50.6	73.77	-2,477.1	531.4	515.5	419.7	95.79	5.381	
10,000.0	7,989.0	9,814.3	7,844.7	55.6	52.4	73.75	-2,577.1	531.7	515.5	416.3	99.22	5.196	
10,100.0	7,989.0	9,914.3	7,844.5	57.3	54.1	73.73	-2,677.1	532.1	515.6	412.9	102.68	5.022	
10,200.0	7,989.0	10,014.3	7,844.3	59.0	55.9	73.70	-2,777.1	532.4	515.7	409.5	106.14	4.858	
10,300.0	7,989.0	10,114.3	7,844.1	60.7	57.7	73.68	-2,877.1	532.7	515.7	406.1	109.63	4.704	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey L-14-23HN - Wellbore #1 - Plan #2 (11-4-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWDD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	7,989.0	10,214.3	7,843.9	62.4	59.5	73.66	-2,977.1	533.1	515.8	402.7	113.12	4.560	
10,500.0	7,989.0	10,314.3	7,843.7	64.2	61.3	73.63	-3,077.1	533.4	515.8	399.2	116.63	4.423	
10,600.0	7,989.0	10,414.3	7,843.4	65.9	63.1	73.61	-3,177.1	533.7	515.9	395.8	120.14	4.294	
10,700.0	7,989.0	10,514.3	7,843.2	67.7	65.0	73.59	-3,277.1	534.1	516.0	392.3	123.66	4.172	
10,800.0	7,989.0	10,614.3	7,843.0	69.5	66.8	73.56	-3,377.1	534.4	516.0	388.8	127.20	4.057	
10,900.0	7,989.0	10,714.3	7,842.8	71.2	68.6	73.54	-3,477.1	534.7	516.1	385.3	130.74	3.947	
11,000.0	7,989.0	10,814.3	7,842.6	73.0	70.4	73.52	-3,577.1	535.1	516.1	381.8	134.28	3.844	
11,100.0	7,989.0	10,914.3	7,842.4	74.8	72.3	73.50	-3,677.1	535.4	516.2	378.4	137.84	3.745	
11,200.0	7,989.0	11,014.3	7,842.1	76.6	74.1	73.47	-3,777.1	535.7	516.2	374.9	141.40	3.651	
11,300.0	7,989.0	11,114.3	7,841.9	78.4	76.0	73.45	-3,877.1	536.1	516.3	371.3	144.96	3.562	
11,400.0	7,989.0	11,214.3	7,841.7	80.2	77.8	73.43	-3,977.1	536.4	516.4	367.8	148.53	3.476	
11,500.0	7,989.0	11,314.3	7,841.5	82.0	79.7	73.40	-4,077.1	536.7	516.4	364.3	152.11	3.395	
11,600.0	7,989.0	11,414.3	7,841.3	83.8	81.5	73.38	-4,177.1	537.1	516.5	360.8	155.68	3.318	
11,700.0	7,989.0	11,514.3	7,841.1	85.7	83.4	73.36	-4,277.1	537.4	516.5	357.3	159.27	3.243	
11,800.0	7,989.0	11,614.3	7,840.9	87.5	85.3	73.34	-4,377.1	537.7	516.6	353.8	162.85	3.172	
11,900.0	7,989.0	11,714.3	7,840.6	89.3	87.1	73.31	-4,477.1	538.1	516.7	350.2	166.44	3.104	
12,000.0	7,989.0	11,814.3	7,840.4	91.1	89.0	73.29	-4,577.1	538.4	516.7	346.7	170.03	3.039	
12,100.0	7,989.0	11,914.3	7,840.2	93.0	90.9	73.27	-4,677.1	538.7	516.8	343.2	173.63	2.976	
12,200.0	7,989.0	12,014.3	7,840.0	94.8	92.7	73.24	-4,777.1	539.1	516.8	339.6	177.23	2.916	
12,300.0	7,989.0	12,114.3	7,839.8	96.7	94.6	73.22	-4,877.1	539.4	516.9	336.1	180.82	2.859	
12,400.0	7,989.0	12,214.3	7,839.6	98.5	96.5	73.20	-4,977.1	539.7	517.0	332.5	184.43	2.803	
12,500.0	7,989.0	12,314.3	7,839.3	100.4	98.3	73.18	-5,077.1	540.1	517.0	329.0	188.03	2.750	
12,600.0	7,989.0	12,414.3	7,839.1	102.2	100.2	73.15	-5,177.1	540.4	517.1	325.5	191.63	2.698	
12,700.0	7,989.0	12,514.3	7,838.9	104.1	102.1	73.13	-5,277.1	540.7	517.1	321.9	195.24	2.649	
12,800.0	7,989.0	12,614.3	7,838.7	105.9	104.0	73.11	-5,377.1	541.1	517.2	318.4	198.85	2.601	
12,900.0	7,989.0	12,714.3	7,838.5	107.8	105.9	73.08	-5,477.1	541.4	517.3	314.8	202.46	2.555	
13,000.0	7,989.0	12,814.3	7,838.3	109.6	107.7	73.06	-5,577.1	541.8	517.3	311.3	206.07	2.510	
13,100.0	7,989.0	12,914.3	7,838.1	111.5	109.6	73.04	-5,677.1	542.1	517.4	307.7	209.68	2.467	
13,200.0	7,989.0	13,014.3	7,837.8	113.4	111.5	73.02	-5,777.1	542.4	517.5	304.2	213.30	2.426	
13,300.0	7,989.0	13,114.3	7,837.6	115.2	113.4	72.99	-5,877.1	542.8	517.5	300.6	216.91	2.386	
13,400.0	7,989.0	13,214.3	7,837.4	117.1	115.3	72.97	-5,977.1	543.1	517.6	297.0	220.53	2.347	
13,500.0	7,989.0	13,314.3	7,837.2	119.0	117.2	72.95	-6,077.1	543.4	517.6	293.5	224.14	2.309	
13,600.0	7,989.0	13,414.3	7,837.0	120.8	119.1	72.92	-6,177.1	543.8	517.7	289.9	227.76	2.273	
13,700.0	7,989.0	13,514.3	7,836.8	122.7	120.9	72.90	-6,277.1	544.1	517.8	286.4	231.38	2.238	
13,800.0	7,989.0	13,614.3	7,836.6	124.6	122.8	72.88	-6,377.1	544.4	517.8	282.8	235.00	2.204	
13,900.0	7,989.0	13,714.3	7,836.3	126.4	124.7	72.86	-6,477.1	544.8	517.9	279.3	238.61	2.170	
14,000.0	7,989.0	13,814.3	7,836.1	128.3	126.6	72.83	-6,577.1	545.1	517.9	275.7	242.23	2.138	
14,100.0	7,989.0	13,914.3	7,835.9	130.2	128.5	72.81	-6,677.1	545.4	518.0	272.2	245.85	2.107	
14,200.0	7,989.0	14,014.3	7,835.7	132.1	130.4	72.79	-6,777.1	545.8	518.1	268.6	249.47	2.077	
14,300.0	7,989.0	14,114.3	7,835.5	133.9	132.3	72.76	-6,877.1	546.1	518.1	265.0	253.09	2.047	
14,400.0	7,989.0	14,214.3	7,835.3	135.8	134.2	72.74	-6,977.1	546.4	518.2	261.5	256.71	2.019	
14,500.0	7,989.0	14,314.3	7,835.0	137.7	136.1	72.72	-7,077.1	546.8	518.3	257.9	260.33	1.991	
14,600.0	7,989.0	14,414.3	7,834.8	139.6	138.0	72.70	-7,177.1	547.1	518.3	254.4	263.95	1.964	
14,700.0	7,989.0	14,514.3	7,834.6	141.5	139.9	72.67	-7,277.1	547.4	518.4	250.8	267.58	1.937	
14,800.0	7,989.0	14,614.3	7,834.4	143.4	141.8	72.65	-7,377.1	547.8	518.4	247.2	271.20	1.912	
14,900.0	7,989.0	14,714.3	7,834.2	145.2	143.7	72.63	-7,477.1	548.1	518.5	243.7	274.82	1.887	
15,000.0	7,989.0	14,814.3	7,834.0	147.1	145.6	72.60	-7,577.1	548.4	518.6	240.1	278.44	1.862	
15,100.0	7,989.0	14,914.3	7,833.8	149.0	147.5	72.58	-7,677.1	548.8	518.6	236.6	282.06	1.839	
15,200.0	7,989.0	15,014.3	7,833.5	150.9	149.4	72.56	-7,777.1	549.1	518.7	233.0	285.68	1.816	
15,300.0	7,989.0	15,114.3	7,833.3	152.8	151.3	72.54	-7,877.1	549.4	518.8	229.4	289.30	1.793	
15,400.0	7,989.0	15,214.3	7,833.1	154.7	153.2	72.51	-7,977.1	549.8	518.8	225.9	292.92	1.771	
15,500.0	7,989.0	15,314.3	7,832.9	156.6	155.1	72.49	-8,077.1	550.1	518.9	222.3	296.54	1.750	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey L-14-23HN - Wellbore #1 - Plan #2 (11-4-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
15,600.0	7,989.0	15,414.3	7,832.7	158.4	157.0	72.47	-8,177.1	550.4	518.9	218.8	300.16	1.729		
15,700.0	7,989.0	15,514.3	7,832.5	160.3	158.9	72.45	-8,277.1	550.8	519.0	215.2	303.78	1.708		
15,800.0	7,989.0	15,614.3	7,832.2	162.2	160.8	72.42	-8,377.1	551.1	519.1	211.7	307.41	1.689		
15,900.0	7,989.0	15,714.3	7,832.0	164.1	162.7	72.40	-8,477.1	551.4	519.1	208.1	311.03	1.669		
15,904.8	7,989.0	15,719.1	7,832.0	164.2	162.8	72.40	-8,481.9	551.5	519.1	207.9	311.20	1.668		
15,920.8	7,989.0	15,729.8	7,832.0	164.5	163.0	72.40	-8,492.6	551.5	519.2	207.5	311.68	1.666 SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance		Minimum		Separation		Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-156.97	-13.8	-5.9	15.0	15.0	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	-156.97	-13.8	-5.9	15.0	14.8	0.22	66.923		
200.0	200.0	200.0	200.0	0.3	0.3	-156.97	-13.8	-5.9	15.0	14.4	0.67	22.308		
300.0	300.0	300.0	300.0	0.6	0.6	-156.97	-13.8	-5.9	15.0	13.9	1.12	13.385		
400.0	400.0	400.0	400.0	0.8	0.8	-156.97	-13.8	-5.9	15.0	13.5	1.57	9.560		
500.0	500.0	500.0	500.0	1.0	1.0	-156.97	-13.8	-5.9	15.0	13.0	2.02	7.436		
600.0	600.0	600.0	600.0	1.2	1.2	-156.97	-13.8	-5.9	15.0	12.6	2.47	6.084		
700.0	700.0	700.0	700.0	1.5	1.5	-156.97	-13.8	-5.9	15.0	12.1	2.92	5.148		
800.0	800.0	800.0	800.0	1.7	1.7	-156.97	-13.8	-5.9	15.0	11.7	3.37	4.462 CC		
800.0	800.0	800.0	800.0	1.7	1.7	-156.97	-13.8	-5.9	15.0	11.7	3.37	4.462		
900.0	900.0	900.0	900.0	1.9	1.9	99.28	-13.8	-5.9	15.2	11.4	3.80	4.003 ES		
1,000.0	999.8	999.8	999.8	2.1	2.1	117.05	-13.8	-5.9	16.9	12.7	4.22	3.996		
1,100.0	1,099.5	1,100.0	1,099.9	2.3	2.3	134.10	-14.5	-4.3	21.1	16.4	4.63	4.545		
1,200.0	1,198.7	1,200.3	1,200.2	2.6	2.5	144.61	-16.6	0.6	26.5	21.5	5.03	5.277		
1,300.0	1,297.6	1,301.0	1,300.4	2.8	2.8	150.68	-20.0	8.7	32.2	26.7	5.44	5.910		
1,400.0	1,396.4	1,401.9	1,400.6	3.1	3.0	152.48	-24.8	20.0	35.3	29.4	5.89	5.989		
1,500.0	1,495.2	1,502.0	1,499.7	3.4	3.2	152.58	-30.3	33.0	36.7	30.4	6.35	5.783		
1,600.0	1,594.0	1,602.0	1,598.6	3.8	3.5	152.67	-35.8	46.0	38.2	31.4	6.84	5.593		
1,700.0	1,692.8	1,701.9	1,697.6	4.1	3.8	152.75	-41.2	59.0	39.7	32.4	7.33	5.419		
1,800.0	1,791.6	1,801.9	1,796.6	4.4	4.1	152.83	-46.7	72.0	41.2	33.4	7.83	5.262		
1,900.0	1,890.4	1,901.9	1,895.6	4.8	4.4	152.90	-52.2	85.0	42.7	34.4	8.34	5.119		
2,000.0	1,989.2	2,001.9	1,994.6	5.1	4.7	152.96	-57.7	98.0	44.2	35.3	8.86	4.989		
2,100.0	2,088.0	2,101.9	2,093.6	5.5	5.0	153.02	-63.2	111.0	45.7	36.3	9.38	4.871		
2,200.0	2,186.8	2,201.9	2,192.6	5.8	5.4	153.08	-68.7	123.9	47.2	37.3	9.90	4.763		
2,300.0	2,285.6	2,301.9	2,291.6	6.2	5.7	153.13	-74.1	136.9	48.7	38.2	10.43	4.664		
2,400.0	2,384.4	2,401.9	2,390.6	6.5	6.0	153.19	-79.6	149.9	50.1	39.2	10.96	4.574		
2,500.0	2,483.2	2,501.9	2,489.6	6.9	6.4	153.23	-85.1	162.9	51.6	40.1	11.50	4.491		
2,600.0	2,582.0	2,601.8	2,588.5	7.3	6.7	153.28	-90.6	175.9	53.1	41.1	12.03	4.415		
2,700.0	2,680.8	2,701.8	2,687.5	7.6	7.0	153.32	-96.1	188.9	54.6	42.0	12.57	4.345		
2,800.0	2,779.6	2,801.8	2,786.5	8.0	7.4	153.36	-101.6	201.9	56.1	43.0	13.11	4.279		
2,900.0	2,878.4	2,901.8	2,885.5	8.3	7.7	153.40	-107.1	214.9	57.6	43.9	13.65	4.219		
3,000.0	2,977.2	3,001.8	2,984.5	8.7	8.0	153.44	-112.5	227.8	59.1	44.9	14.19	4.163		
3,100.0	3,076.0	3,101.8	3,083.5	9.1	8.4	153.47	-118.0	240.8	60.6	45.8	14.73	4.110		
3,200.0	3,174.8	3,201.8	3,182.5	9.4	8.7	153.50	-123.5	253.8	62.0	46.8	15.28	4.061		
3,300.0	3,273.6	3,301.8	3,281.5	9.8	9.1	153.54	-129.0	266.8	63.5	47.7	15.82	4.015		
3,400.0	3,372.4	3,401.8	3,380.5	10.2	9.4	153.57	-134.5	279.8	65.0	48.7	16.37	3.972		
3,500.0	3,471.2	3,501.7	3,479.5	10.5	9.8	153.59	-140.0	292.8	66.5	49.6	16.91	3.932		
3,600.0	3,570.1	3,601.7	3,578.4	10.9	10.1	153.62	-145.4	305.8	68.0	50.5	17.46	3.894		
3,700.0	3,668.9	3,701.7	3,677.4	11.3	10.4	153.65	-150.9	318.8	69.5	51.5	18.01	3.858		
3,800.0	3,767.7	3,801.7	3,776.4	11.6	10.8	153.67	-156.4	331.7	71.0	52.4	18.56	3.825		
3,900.0	3,866.5	3,901.7	3,875.4	12.0	11.1	153.70	-161.9	344.7	72.5	53.4	19.11	3.793		
4,000.0	3,965.3	4,001.7	3,974.4	12.4	11.5	153.72	-167.4	357.7	74.0	54.3	19.66	3.762		
4,100.0	4,064.1	4,101.7	4,073.4	12.7	11.8	153.74	-172.9	370.7	75.4	55.2	20.21	3.734		
4,200.0	4,162.9	4,201.7	4,172.4	13.1	12.2	153.76	-178.3	383.7	76.9	56.2	20.76	3.707		
4,300.0	4,261.7	4,301.7	4,271.4	13.5	12.5	153.78	-183.8	396.7	78.4	57.1	21.31	3.681		
4,400.0	4,360.5	4,401.6	4,370.4	13.8	12.9	153.80	-189.3	409.7	79.9	58.1	21.86	3.656		
4,500.0	4,459.3	4,501.6	4,469.4	14.2	13.2	153.82	-194.8	422.7	81.4	59.0	22.41	3.633		
4,600.0	4,558.1	4,601.6	4,568.3	14.6	13.6	153.84	-200.3	435.6	82.9	59.9	22.96	3.610		
4,700.0	4,656.9	4,701.6	4,667.3	15.0	13.9	153.86	-205.8	448.6	84.4	60.9	23.51	3.589		
4,800.0	4,755.7	4,801.6	4,766.3	15.3	14.3	153.88	-211.2	461.6	85.9	61.8	24.06	3.569		
4,900.0	4,854.5	4,901.6	4,865.3	15.7	14.6	153.89	-216.7	474.6	87.4	62.7	24.61	3.549		
5,000.0	4,953.3	5,001.6	4,964.3	16.1	15.0	153.91	-222.2	487.6	88.8	63.7	25.16	3.530		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,052.1	5,101.6	5,063.3	16.4	15.3	153.92	-227.7	500.6	90.3	64.6	25.72	3.513	
5,200.0	5,150.9	5,201.6	5,162.3	16.8	15.7	153.94	-233.2	513.6	91.8	65.5	26.27	3.495	
5,300.0	5,249.7	5,301.5	5,261.3	17.2	16.0	153.95	-238.7	526.6	93.3	66.5	26.82	3.479	
5,400.0	5,348.5	5,401.5	5,360.3	17.5	16.4	153.97	-244.1	539.5	94.8	67.4	27.37	3.463	
5,500.0	5,447.3	5,501.5	5,459.3	17.9	16.7	153.98	-249.6	552.5	96.3	68.4	27.93	3.448	
5,600.0	5,546.1	5,601.5	5,558.2	18.3	17.1	153.99	-255.1	565.5	97.8	69.3	28.48	3.433	
5,700.0	5,644.9	5,701.5	5,657.2	18.7	17.4	154.01	-260.6	578.5	99.3	70.2	29.03	3.419	
5,800.0	5,743.7	5,801.5	5,756.2	19.0	17.8	154.02	-266.1	591.5	100.7	71.2	29.58	3.405	
5,900.0	5,842.6	5,901.5	5,855.2	19.4	18.1	154.03	-271.6	604.5	102.2	72.1	30.14	3.392	
6,000.0	5,941.4	6,001.5	5,954.2	19.8	18.5	154.04	-277.1	617.5	103.7	73.0	30.69	3.380	
6,100.0	6,040.2	6,101.5	6,053.2	20.1	18.8	154.05	-282.5	630.5	105.2	74.0	31.24	3.368	
6,200.0	6,139.0	6,201.4	6,152.2	20.5	19.2	154.07	-288.0	643.4	106.7	74.9	31.80	3.356	
6,300.0	6,237.8	6,301.4	6,251.2	20.9	19.5	154.08	-293.5	656.4	108.2	75.8	32.35	3.344	
6,400.0	6,336.6	6,401.4	6,350.2	21.3	19.9	154.09	-299.0	669.4	109.7	76.8	32.90	3.333	
6,500.0	6,435.4	6,501.4	6,449.2	21.6	20.2	154.10	-304.5	682.4	111.2	77.7	33.46	3.323	
6,600.0	6,534.2	6,601.4	6,548.1	22.0	20.6	154.11	-310.0	695.4	112.7	78.6	34.01	3.312	
6,700.0	6,633.0	6,701.4	6,647.1	22.4	20.9	154.12	-315.4	708.4	114.1	79.6	34.56	3.302	
6,800.0	6,731.8	6,801.4	6,746.1	22.7	21.3	154.13	-320.9	721.4	115.6	80.5	35.12	3.293	
6,900.0	6,830.6	6,901.4	6,845.1	23.1	21.6	154.14	-326.4	734.4	117.1	81.4	35.67	3.283	
7,000.0	6,929.4	7,001.4	6,944.1	23.5	22.0	154.14	-331.9	747.3	118.6	82.4	36.23	3.274	
7,100.0	7,028.2	7,101.3	7,043.1	23.9	22.3	154.15	-337.4	760.3	120.1	83.3	36.78	3.265	
7,200.0	7,127.0	7,200.0	7,140.6	24.2	22.6	153.17	-344.9	773.1	121.8	84.3	37.34	3.245	
7,300.0	7,225.8	7,296.5	7,234.3	24.6	23.0	146.88	-364.0	785.5	125.8	86.2	39.57	3.178	
7,400.0	7,324.6	7,387.4	7,319.5	25.0	23.4	133.71	-393.4	796.7	135.9	93.2	42.73	3.182	
7,500.0	7,422.6	7,473.6	7,396.3	25.3	23.9	92.24	-431.2	806.9	152.9	107.1	45.79	3.339	
7,600.0	7,517.9	7,557.2	7,465.9	25.8	24.4	71.67	-476.4	816.2	172.6	125.0	47.62	3.624	
7,700.0	7,608.5	7,638.5	7,528.2	26.3	24.9	59.61	-528.0	824.6	193.0	144.8	48.24	4.002	
7,800.0	7,692.7	7,718.0	7,583.0	26.9	25.5	51.71	-585.0	832.0	212.8	165.0	47.82	4.450	
7,900.0	7,768.9	7,800.0	7,632.7	27.5	26.2	46.13	-649.8	838.7	231.1	184.5	46.59	4.961	
8,000.0	7,835.6	7,872.8	7,670.4	28.3	26.9	42.34	-711.8	843.9	247.2	202.6	44.66	5.536	
8,100.0	7,891.5	7,950.0	7,703.3	29.1	27.6	39.53	-781.4	848.5	260.8	218.5	42.29	6.167	
8,200.0	7,935.4	8,023.7	7,727.7	30.0	28.4	37.60	-850.9	851.9	271.5	231.9	39.63	6.850	
8,300.0	7,966.7	8,100.0	7,745.3	31.0	29.2	36.31	-925.0	854.5	279.1	242.2	36.94	7.557	
8,400.0	7,984.6	8,172.4	7,754.7	32.1	30.0	35.62	-996.8	856.0	283.6	249.2	34.40	8.242	
8,500.0	7,989.0	8,251.6	7,757.0	33.2	31.0	35.43	-1,075.9	856.6	284.8	251.8	32.97	8.637	
8,600.0	7,989.0	8,351.6	7,756.8	34.4	32.2	35.41	-1,175.9	856.9	284.9	250.4	34.57	8.241	
8,700.0	7,989.0	8,451.6	7,756.6	35.6	33.5	35.38	-1,275.9	857.3	285.1	248.8	36.31	7.852	
8,800.0	7,989.0	8,551.6	7,756.4	37.0	34.9	35.36	-1,375.9	857.6	285.3	247.1	38.13	7.481	
8,900.0	7,989.0	8,651.6	7,756.2	38.3	36.3	35.33	-1,475.9	858.0	285.4	245.4	40.02	7.132	
9,000.0	7,989.0	8,751.6	7,756.0	39.7	37.8	35.31	-1,575.9	858.3	285.6	243.6	41.98	6.804	
9,100.0	7,989.0	8,851.6	7,755.8	41.2	39.3	35.29	-1,675.9	858.6	285.7	241.8	43.98	6.497	
9,200.0	7,989.0	8,951.6	7,755.5	42.7	40.9	35.26	-1,775.9	859.0	285.9	239.9	46.04	6.210	
9,300.0	7,989.0	9,051.6	7,755.3	44.2	42.4	35.24	-1,875.9	859.3	286.1	237.9	48.13	5.944	
9,400.0	7,989.0	9,151.6	7,755.1	45.8	44.0	35.21	-1,975.9	859.6	286.2	236.0	50.26	5.695	
9,500.0	7,989.0	9,251.6	7,754.9	47.3	45.7	35.19	-2,075.9	860.0	286.4	234.0	52.42	5.463	
9,600.0	7,989.0	9,351.6	7,754.7	49.0	47.3	35.17	-2,175.9	860.3	286.6	232.0	54.61	5.248	
9,700.0	7,989.0	9,451.6	7,754.5	50.6	49.0	35.14	-2,275.9	860.6	286.7	229.9	56.82	5.047	
9,800.0	7,989.0	9,551.6	7,754.3	52.2	50.7	35.12	-2,375.9	861.0	286.9	227.8	59.05	4.859	
9,900.0	7,989.0	9,651.6	7,754.1	53.9	52.4	35.10	-2,475.9	861.3	287.1	225.8	61.29	4.683	
10,000.0	7,989.0	9,751.6	7,753.9	55.6	54.1	35.07	-2,575.9	861.6	287.2	223.7	63.56	4.519	
10,100.0	7,989.0	9,851.6	7,753.7	57.3	55.8	35.05	-2,675.9	862.0	287.4	221.5	65.83	4.365	
10,200.0	7,989.0	9,951.6	7,753.5	59.0	57.6	35.03	-2,775.9	862.3	287.5	219.4	68.12	4.221	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWDD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,989.0	10,051.6	7,753.3	60.7	59.3	35.00	-2,875.9	862.6	287.7	217.3	70.42	4.085	
10,400.0	7,989.0	10,151.6	7,753.1	62.4	61.1	34.98	-2,975.9	863.0	287.9	215.1	72.73	3.958	
10,500.0	7,989.0	10,251.6	7,752.9	64.2	62.8	34.95	-3,075.9	863.3	288.0	213.0	75.05	3.838	
10,600.0	7,989.0	10,351.6	7,752.7	65.9	64.6	34.93	-3,175.9	863.6	288.2	210.8	77.38	3.725	
10,700.0	7,989.0	10,451.6	7,752.5	67.7	66.4	34.91	-3,275.9	864.0	288.4	208.6	79.71	3.618	
10,800.0	7,989.0	10,551.6	7,752.3	69.5	68.2	34.88	-3,375.9	864.3	288.5	206.5	82.05	3.516	
10,900.0	7,989.0	10,651.6	7,752.1	71.2	70.0	34.86	-3,475.9	864.7	288.7	204.3	84.39	3.421	
11,000.0	7,989.0	10,751.6	7,751.9	73.0	71.8	34.84	-3,575.9	865.0	288.8	202.1	86.74	3.330	
11,100.0	7,989.0	10,851.6	7,751.7	74.8	73.6	34.81	-3,675.9	865.3	289.0	199.9	89.10	3.244	
11,200.0	7,989.0	10,951.6	7,751.5	76.6	75.4	34.79	-3,775.9	865.7	289.2	197.7	91.45	3.162	
11,300.0	7,989.0	11,051.6	7,751.3	78.4	77.2	34.77	-3,875.9	866.0	289.3	195.5	93.81	3.084	
11,400.0	7,989.0	11,151.6	7,751.1	80.2	79.1	34.74	-3,975.9	866.3	289.5	193.3	96.18	3.010	
11,500.0	7,989.0	11,251.6	7,750.9	82.0	80.9	34.72	-4,075.9	866.7	289.7	191.1	98.54	2.940	
11,600.0	7,989.0	11,351.6	7,750.7	83.8	82.7	34.70	-4,175.9	867.0	289.8	188.9	100.91	2.872	
11,700.0	7,989.0	11,451.6	7,750.5	85.7	84.6	34.67	-4,275.9	867.3	290.0	186.7	103.28	2.808	
11,800.0	7,989.0	11,551.6	7,750.3	87.5	86.4	34.65	-4,375.9	867.7	290.2	184.5	105.65	2.746	
11,900.0	7,989.0	11,651.6	7,750.1	89.3	88.3	34.63	-4,475.9	868.0	290.3	182.3	108.03	2.687	
12,000.0	7,989.0	11,751.6	7,749.9	91.1	90.1	34.61	-4,575.9	868.3	290.5	180.1	110.40	2.631	
12,100.0	7,989.0	11,851.6	7,749.7	93.0	92.0	34.58	-4,675.9	868.7	290.7	177.9	112.78	2.577	
12,200.0	7,989.0	11,951.6	7,749.5	94.8	93.8	34.56	-4,775.9	869.0	290.8	175.7	115.16	2.525	
12,300.0	7,989.0	12,051.6	7,749.3	96.7	95.7	34.54	-4,875.9	869.3	291.0	173.4	117.53	2.476	
12,400.0	7,989.0	12,151.6	7,749.1	98.5	97.5	34.51	-4,975.9	869.7	291.1	171.2	119.91	2.428	
12,500.0	7,989.0	12,251.6	7,748.9	100.4	99.4	34.49	-5,075.9	870.0	291.3	169.0	122.29	2.382	
12,600.0	7,989.0	12,351.6	7,748.7	102.2	101.2	34.47	-5,175.9	870.4	291.5	166.8	124.67	2.338	
12,700.0	7,989.0	12,451.6	7,748.5	104.1	103.1	34.44	-5,275.9	870.7	291.6	164.6	127.05	2.295	
12,800.0	7,989.0	12,551.6	7,748.3	105.9	105.0	34.42	-5,375.9	871.0	291.8	162.4	129.43	2.255	
12,900.0	7,989.0	12,651.6	7,748.1	107.8	106.8	34.40	-5,475.9	871.4	292.0	160.2	131.81	2.215	
13,000.0	7,989.0	12,751.6	7,747.9	109.6	108.7	34.38	-5,575.9	871.7	292.1	157.9	134.19	2.177	
13,100.0	7,989.0	12,851.6	7,747.7	111.5	110.6	34.35	-5,675.9	872.0	292.3	155.7	136.57	2.140	
13,200.0	7,989.0	12,951.6	7,747.5	113.4	112.5	34.33	-5,775.9	872.4	292.5	153.5	138.95	2.105	
13,300.0	7,989.0	13,051.6	7,747.3	115.2	114.3	34.31	-5,875.9	872.7	292.6	151.3	141.32	2.071	
13,400.0	7,989.0	13,151.6	7,747.1	117.1	116.2	34.28	-5,975.9	873.0	292.8	149.1	143.70	2.037	
13,500.0	7,989.0	13,251.6	7,746.9	119.0	118.1	34.26	-6,075.8	873.4	293.0	146.9	146.08	2.005	
13,600.0	7,989.0	13,351.6	7,746.7	120.8	120.0	34.24	-6,175.8	873.7	293.1	144.7	148.46	1.974	
13,700.0	7,989.0	13,451.6	7,746.5	122.7	121.8	34.22	-6,275.8	874.0	293.3	142.5	150.83	1.944	
13,800.0	7,989.0	13,551.6	7,746.3	124.6	123.7	34.19	-6,375.8	874.4	293.5	140.2	153.21	1.915	
13,900.0	7,989.0	13,651.6	7,746.1	126.4	125.6	34.17	-6,475.8	874.7	293.6	138.0	155.58	1.887	
14,000.0	7,989.0	13,751.6	7,745.9	128.3	127.5	34.15	-6,575.8	875.0	293.8	135.8	157.96	1.860	
14,100.0	7,989.0	13,851.6	7,745.7	130.2	129.4	34.13	-6,675.8	875.4	293.9	133.6	160.33	1.833	
14,200.0	7,989.0	13,951.6	7,745.5	132.1	131.2	34.10	-6,775.8	875.7	294.1	131.4	162.70	1.808	
14,300.0	7,989.0	14,051.6	7,745.3	133.9	133.1	34.08	-6,875.8	876.0	294.3	129.2	165.07	1.783	
14,400.0	7,989.0	14,151.6	7,745.1	135.8	135.0	34.06	-6,975.8	876.4	294.4	127.0	167.45	1.758	
14,500.0	7,989.0	14,251.6	7,744.9	137.7	136.9	34.04	-7,075.8	876.7	294.6	124.8	169.82	1.735	
14,600.0	7,989.0	14,351.6	7,744.7	139.6	138.8	34.01	-7,175.8	877.1	294.8	122.6	172.18	1.712	
14,700.0	7,989.0	14,451.6	7,744.5	141.5	140.7	33.99	-7,275.8	877.4	294.9	120.4	174.55	1.690	
14,800.0	7,989.0	14,551.6	7,744.3	143.4	142.6	33.97	-7,375.8	877.7	295.1	118.2	176.92	1.668	
14,900.0	7,989.0	14,651.6	7,744.1	145.2	144.5	33.95	-7,475.8	878.1	295.3	116.0	179.28	1.647	
15,000.0	7,989.0	14,751.6	7,743.9	147.1	146.3	33.92	-7,575.8	878.4	295.4	113.8	181.65	1.626	
15,100.0	7,989.0	14,851.6	7,743.7	149.0	148.2	33.90	-7,675.8	878.7	295.6	111.6	184.01	1.606	
15,200.0	7,989.0	14,951.6	7,743.5	150.9	150.1	33.88	-7,775.8	879.1	295.8	109.4	186.37	1.587	
15,300.0	7,989.0	15,051.6	7,743.2	152.8	152.0	33.86	-7,875.8	879.4	295.9	107.2	188.74	1.568	
15,400.0	7,989.0	15,151.6	7,743.0	154.7	153.9	33.83	-7,975.8	879.7	296.1	105.0	191.10	1.549	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,500.0	7,989.0	15,251.6	7,742.8	156.6	155.8	33.81	-8,075.8	880.1	296.3	102.8	193.45	1.531	
15,600.0	7,989.0	15,351.6	7,742.6	158.4	157.7	33.79	-8,175.8	880.4	296.4	100.6	195.81	1.514	
15,700.0	7,989.0	15,451.6	7,742.4	160.3	159.6	33.77	-8,275.8	880.7	296.6	98.4	198.17	1.497	Level 3
15,800.0	7,989.0	15,551.6	7,742.2	162.2	161.5	33.75	-8,375.8	881.1	296.8	96.2	200.52	1.480	Level 3
15,900.0	7,989.0	15,651.6	7,742.0	164.1	163.2	33.72	-8,475.8	881.4	296.9	94.2	202.72	1.465	Level 3
15,920.8	7,989.0	15,670.8	7,742.0	164.5	163.5	33.72	-8,495.1	881.5	297.0	93.8	203.13	1.462	Level 3, SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-14-23HN - Wellbore #1 - Plan #2 (11-5-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis			Distance								Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	23.03	13.8	5.9	15.0	15.0	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	23.03	13.8	5.9	15.0	14.8	0.22	66.923		
200.0	200.0	200.0	200.0	0.3	0.3	23.03	13.8	5.9	15.0	14.4	0.67	22.308		
300.0	300.0	300.0	300.0	0.6	0.6	23.03	13.8	5.9	15.0	13.9	1.12	13.385		
400.0	400.0	400.0	400.0	0.8	0.8	23.03	13.8	5.9	15.0	13.5	1.57	9.560		
500.0	500.0	500.0	500.0	1.0	1.0	23.03	13.8	5.9	15.0	13.0	2.02	7.436		
600.0	600.0	600.0	600.0	1.2	1.2	23.03	13.8	5.9	15.0	12.6	2.47	6.084 CC		
700.0	700.0	699.9	699.9	1.5	1.4	29.56	13.3	7.5	15.3	12.4	2.90	5.261 ES		
800.0	800.0	799.6	799.4	1.7	1.6	46.97	11.6	12.5	17.1	13.8	3.33	5.129		
900.0	900.0	898.9	898.4	1.9	1.9	-46.82	8.9	20.7	21.3	17.6	3.75	5.693		
1,000.0	999.8	998.1	996.8	2.1	2.1	-36.58	5.1	32.1	26.8	22.6	4.16	6.440		
1,100.0	1,099.5	1,096.9	1,094.5	2.3	2.4	-30.14	0.3	46.7	32.9	28.3	4.59	7.157		
1,200.0	1,198.7	1,196.6	1,192.6	2.6	2.7	-26.68	-5.3	63.4	38.0	33.0	5.03	7.554		
1,300.0	1,297.6	1,296.6	1,291.0	2.8	3.1	-25.74	-10.9	80.2	40.6	35.1	5.50	7.384		
1,400.0	1,396.4	1,396.6	1,389.4	3.1	3.4	-25.12	-16.5	97.0	43.0	37.0	6.00	7.168		
1,500.0	1,495.2	1,496.6	1,487.8	3.4	3.8	-24.56	-22.1	113.8	45.3	38.8	6.50	6.976		
1,600.0	1,594.0	1,596.5	1,586.1	3.8	4.2	-24.05	-27.6	130.6	47.7	40.7	7.01	6.807		
1,700.0	1,692.8	1,696.5	1,684.5	4.1	4.6	-23.59	-33.2	147.4	50.0	42.5	7.52	6.655		
1,800.0	1,791.6	1,796.5	1,782.9	4.4	5.0	-23.17	-38.8	164.2	52.4	44.4	8.04	6.521		
1,900.0	1,890.4	1,896.4	1,881.3	4.8	5.4	-22.79	-44.4	181.0	54.8	46.2	8.56	6.401		
2,000.0	1,989.2	1,996.4	1,979.7	5.1	5.8	-22.44	-50.0	197.8	57.1	48.0	9.08	6.293		
2,100.0	2,088.0	2,096.4	2,078.1	5.5	6.2	-22.12	-55.6	214.6	59.5	49.9	9.60	6.196		
2,200.0	2,186.8	2,196.4	2,176.5	5.8	6.5	-21.82	-61.2	231.4	61.9	51.7	10.12	6.109		
2,300.0	2,285.6	2,296.3	2,274.9	6.2	6.9	-21.55	-66.8	248.2	64.2	53.6	10.65	6.030		
2,400.0	2,384.4	2,396.3	2,373.3	6.5	7.3	-21.29	-72.3	265.0	66.6	55.4	11.18	5.958		
2,500.0	2,483.2	2,496.3	2,471.7	6.9	7.7	-21.06	-77.9	281.8	69.0	57.3	11.70	5.892		
2,600.0	2,582.0	2,596.2	2,570.1	7.3	8.2	-20.83	-83.5	298.6	71.3	59.1	12.23	5.832		
2,700.0	2,680.8	2,696.2	2,668.5	7.6	8.6	-20.62	-89.1	315.4	73.7	60.9	12.76	5.776		
2,800.0	2,779.6	2,796.2	2,766.8	8.0	9.0	-20.43	-94.7	332.2	76.1	62.8	13.29	5.725		
2,900.0	2,878.4	2,896.2	2,865.2	8.3	9.4	-20.25	-100.3	349.0	78.4	64.6	13.82	5.678		
3,000.0	2,977.2	2,996.1	2,963.6	8.7	9.8	-20.07	-105.9	365.8	80.8	66.5	14.35	5.634		
3,100.0	3,076.0	3,096.1	3,062.0	9.1	10.2	-19.91	-111.5	382.6	83.2	68.3	14.88	5.593		
3,200.0	3,174.8	3,196.1	3,160.4	9.4	10.6	-19.76	-117.0	399.4	85.6	70.2	15.40	5.555		
3,300.0	3,273.6	3,296.0	3,258.8	9.8	11.0	-19.61	-122.6	416.2	88.0	72.0	15.93	5.519		
3,400.0	3,372.4	3,396.0	3,357.2	10.2	11.4	-19.47	-128.2	433.0	90.3	73.9	16.46	5.486		
3,500.0	3,471.2	3,496.0	3,455.6	10.5	11.8	-19.34	-133.8	449.8	92.7	75.7	16.99	5.455		
3,600.0	3,570.1	3,596.0	3,554.0	10.9	12.2	-19.22	-139.4	466.6	95.1	77.6	17.52	5.426		
3,700.0	3,668.9	3,695.9	3,652.4	11.3	12.6	-19.10	-145.0	483.4	97.5	79.4	18.05	5.398		
3,800.0	3,767.7	3,795.9	3,750.8	11.6	13.0	-18.99	-150.6	500.1	99.8	81.3	18.58	5.372		
3,900.0	3,866.5	3,895.9	3,849.2	12.0	13.4	-18.88	-156.2	516.9	102.2	83.1	19.11	5.348		
4,000.0	3,965.3	3,995.8	3,947.5	12.4	13.8	-18.78	-161.7	533.7	104.6	85.0	19.65	5.324		
4,100.0	4,064.1	4,095.8	4,045.9	12.7	14.2	-18.68	-167.3	550.5	107.0	86.8	20.18	5.302		
4,200.0	4,162.9	4,195.8	4,144.3	13.1	14.6	-18.59	-172.9	567.3	109.4	88.7	20.71	5.282		
4,300.0	4,261.7	4,295.8	4,242.7	13.5	15.0	-18.50	-178.5	584.1	111.7	90.5	21.24	5.262		
4,400.0	4,360.5	4,395.7	4,341.1	13.8	15.5	-18.41	-184.1	600.9	114.1	92.4	21.77	5.243		
4,500.0	4,459.3	4,495.7	4,439.5	14.2	15.9	-18.33	-189.7	617.7	116.5	94.2	22.30	5.225		
4,600.0	4,558.1	4,595.7	4,537.9	14.6	16.3	-18.25	-195.3	634.5	118.9	96.1	22.83	5.208		
4,700.0	4,656.9	4,695.6	4,636.3	15.0	16.7	-18.18	-200.9	651.3	121.3	97.9	23.36	5.192		
4,800.0	4,755.7	4,795.6	4,734.7	15.3	17.1	-18.10	-206.4	668.1	123.6	99.8	23.89	5.176		
4,900.0	4,854.5	4,895.6	4,833.1	15.7	17.5	-18.03	-212.0	684.9	126.0	101.6	24.42	5.161		
5,000.0	4,953.3	4,995.6	4,931.5	16.1	17.9	-17.97	-217.6	701.7	128.4	103.5	24.95	5.147		
5,100.0	5,052.1	5,095.5	5,029.9	16.4	18.3	-17.90	-223.2	718.5	130.8	105.3	25.48	5.133		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-14-23HN - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0ft
Survey Program: 0-MWD												Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,200.0	5,150.9	5,195.5	5,128.2	16.8	18.7	-17.84	-228.8	735.3	133.2	107.2	26.01	5.120	
5,300.0	5,249.7	5,295.5	5,226.6	17.2	19.1	-17.78	-234.4	752.1	135.6	109.0	26.54	5.107	
5,400.0	5,348.5	5,395.4	5,325.0	17.5	19.5	-17.72	-240.0	768.9	137.9	110.9	27.07	5.095	
5,500.0	5,447.3	5,495.4	5,423.4	17.9	19.9	-17.66	-245.6	785.7	140.3	112.7	27.60	5.084	
5,600.0	5,546.1	5,595.4	5,521.8	18.3	20.3	-17.61	-251.1	802.5	142.7	114.6	28.13	5.072	
5,700.0	5,644.9	5,695.4	5,620.2	18.7	20.8	-17.55	-256.7	819.3	145.1	116.4	28.66	5.062	
5,800.0	5,743.7	5,795.3	5,718.6	19.0	21.2	-17.50	-262.3	836.1	147.5	118.3	29.19	5.051	
5,900.0	5,842.6	5,895.3	5,817.0	19.4	21.6	-17.45	-267.9	852.9	149.9	120.1	29.72	5.041	
6,000.0	5,941.4	5,995.3	5,915.4	19.8	22.0	-17.41	-273.5	869.7	152.2	122.0	30.26	5.032	
6,100.0	6,040.2	6,095.2	6,013.8	20.1	22.4	-17.36	-279.1	886.5	154.6	123.8	30.79	5.023	
6,200.0	6,139.0	6,195.2	6,112.2	20.5	22.8	-17.31	-284.7	903.3	157.0	125.7	31.32	5.013	
6,300.0	6,237.8	6,295.2	6,210.6	20.9	23.2	-17.27	-290.3	920.1	159.4	127.5	31.85	5.005	
6,400.0	6,336.6	6,395.2	6,308.9	21.3	23.6	-17.23	-295.9	936.9	161.8	129.4	32.38	4.996	
6,500.0	6,435.4	6,495.1	6,407.3	21.6	24.0	-17.19	-301.4	953.7	164.2	131.2	32.91	4.988	
6,600.0	6,534.2	6,595.1	6,505.7	22.0	24.4	-17.15	-307.0	970.5	166.5	133.1	33.44	4.980	
6,700.0	6,633.0	6,695.1	6,604.1	22.4	24.8	-17.11	-312.6	987.3	168.9	135.0	33.97	4.973	
6,800.0	6,731.8	6,795.0	6,702.5	22.7	25.2	-17.07	-318.2	1,004.1	171.3	136.8	34.50	4.965	
6,900.0	6,830.6	6,895.0	6,800.9	23.1	25.7	-17.03	-323.8	1,020.9	173.7	138.7	35.03	4.958	
7,000.0	6,929.4	6,995.0	6,899.3	23.5	26.1	-17.00	-329.4	1,037.7	176.1	140.5	35.56	4.951	
7,100.0	7,028.2	7,095.0	6,997.7	23.9	26.5	-16.96	-335.0	1,054.5	178.5	142.4	36.09	4.945	
7,200.0	7,127.0	7,194.9	7,096.0	24.2	26.9	-16.92	-340.6	1,071.3	180.8	144.2	36.62	4.938	
7,300.0	7,225.8	7,292.6	7,191.5	24.6	27.3	-14.60	-353.4	1,087.6	183.8	147.1	36.74	5.004	
7,400.0	7,324.6	7,386.7	7,280.9	25.0	27.7	-11.53	-378.0	1,102.9	189.4	153.0	36.42	5.201	
7,500.0	7,422.6	7,476.7	7,362.7	25.3	28.2	-35.08	-412.5	1,117.0	198.7	162.3	36.32	5.470	
7,600.0	7,517.9	7,564.1	7,437.6	25.8	28.7	-41.33	-455.8	1,129.9	210.0	173.5	36.53	5.750	
7,700.0	7,608.5	7,650.0	7,505.4	26.3	29.2	-42.11	-506.9	1,141.7	222.5	185.8	36.65	6.071	
7,800.0	7,692.7	7,733.1	7,564.9	26.9	29.8	-41.25	-563.9	1,152.1	235.2	198.7	36.46	6.450	
7,900.0	7,768.9	7,815.2	7,616.9	27.5	30.4	-39.92	-626.7	1,161.2	247.3	211.3	35.96	6.876	
8,000.0	7,835.6	7,900.0	7,662.8	28.3	31.1	-38.49	-697.6	1,169.3	258.3	223.0	35.32	7.313	
8,100.0	7,891.5	7,975.9	7,696.7	29.1	31.8	-37.43	-765.2	1,175.3	267.7	232.9	34.86	7.681	
8,200.0	7,935.4	8,050.0	7,722.7	30.0	32.5	-36.58	-834.4	1,180.0	275.4	240.4	34.91	7.888	
8,300.0	7,966.7	8,133.7	7,743.5	31.0	33.3	-35.89	-915.3	1,183.9	280.7	244.9	35.86	7.828	
8,400.0	7,984.6	8,211.9	7,754.3	32.1	34.1	-35.52	-992.7	1,186.0	283.9	246.0	37.91	7.489	
8,500.0	7,989.0	8,294.1	7,757.0	33.2	35.0	-35.43	-1,074.8	1,186.8	284.8	244.1	40.71	6.994	
8,600.0	7,989.0	8,394.1	7,756.8	34.4	36.1	-35.41	-1,174.8	1,187.1	284.9	242.4	42.56	6.696	
8,700.0	7,989.0	8,494.1	7,756.6	35.6	37.4	-35.38	-1,274.8	1,187.4	285.1	240.6	44.46	6.412	
8,800.0	7,989.0	8,594.1	7,756.4	37.0	38.6	-35.36	-1,374.8	1,187.8	285.3	238.8	46.43	6.145	
8,900.0	7,989.0	8,694.1	7,756.2	38.3	39.9	-35.34	-1,474.8	1,188.1	285.4	237.0	48.44	5.893	
9,000.0	7,989.0	8,794.1	7,756.0	39.7	41.3	-35.31	-1,574.8	1,188.4	285.6	235.1	50.49	5.656	
9,100.0	7,989.0	8,894.1	7,755.8	41.2	42.7	-35.29	-1,674.8	1,188.8	285.8	233.2	52.58	5.434	
9,200.0	7,989.0	8,994.1	7,755.6	42.7	44.2	-35.27	-1,774.8	1,189.1	285.9	231.2	54.71	5.226	
9,300.0	7,989.0	9,094.1	7,755.4	44.2	45.6	-35.24	-1,874.8	1,189.4	286.1	229.2	56.86	5.031	
9,400.0	7,989.0	9,194.1	7,755.1	45.8	47.2	-35.22	-1,974.8	1,189.8	286.3	227.2	59.04	4.848	
9,500.0	7,989.0	9,294.1	7,754.9	47.3	48.7	-35.20	-2,074.8	1,190.1	286.4	225.2	61.25	4.677	
9,600.0	7,989.0	9,394.1	7,754.7	49.0	50.3	-35.17	-2,174.8	1,190.4	286.6	223.1	63.47	4.515	
9,700.0	7,989.0	9,494.1	7,754.5	50.6	51.9	-35.15	-2,274.8	1,190.8	286.7	221.0	65.71	4.364	
9,800.0	7,989.0	9,594.1	7,754.3	52.2	53.5	-35.13	-2,374.8	1,191.1	286.9	219.0	67.96	4.222	
9,900.0	7,989.0	9,694.1	7,754.1	53.9	55.1	-35.11	-2,474.8	1,191.4	287.1	216.8	70.23	4.088	
10,000.0	7,989.0	9,794.1	7,753.9	55.6	56.8	-35.08	-2,574.8	1,191.8	287.2	214.7	72.52	3.961	
10,100.0	7,989.0	9,894.1	7,753.7	57.3	58.4	-35.06	-2,674.8	1,192.1	287.4	212.6	74.81	3.842	
10,200.0	7,989.0	9,994.1	7,753.5	59.0	60.1	-35.04	-2,774.8	1,192.4	287.6	210.5	77.11	3.729	
10,300.0	7,989.0	10,094.1	7,753.3	60.7	61.8	-35.01	-2,874.8	1,192.8	287.7	208.3	79.43	3.623	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-14-23HN - Wellbore #1 - Plan #2 (11-5-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,400.0	7,989.0	10,194.1	7,753.1	62.4	63.5	-34.99	-2,974.8	1,193.1	287.9	206.2	81.75	3.522		
10,500.0	7,989.0	10,294.1	7,752.9	64.2	65.2	-34.97	-3,074.8	1,193.4	288.1	204.0	84.07	3.426		
10,600.0	7,989.0	10,394.1	7,752.7	65.9	67.0	-34.94	-3,174.8	1,193.8	288.2	201.8	86.41	3.336		
10,700.0	7,989.0	10,494.1	7,752.5	67.7	68.7	-34.92	-3,274.8	1,194.1	288.4	199.7	88.75	3.250		
10,800.0	7,989.0	10,594.1	7,752.3	69.5	70.5	-34.90	-3,374.8	1,194.4	288.6	197.5	91.09	3.168		
10,900.0	7,989.0	10,694.1	7,752.1	71.2	72.2	-34.88	-3,474.8	1,194.8	288.7	195.3	93.44	3.090		
11,000.0	7,989.0	10,794.1	7,751.9	73.0	74.0	-34.85	-3,574.8	1,195.1	288.9	193.1	95.80	3.016		
11,100.0	7,989.0	10,894.1	7,751.7	74.8	75.8	-34.83	-3,674.8	1,195.4	289.1	190.9	98.16	2.945		
11,200.0	7,989.0	10,994.1	7,751.5	76.6	77.5	-34.81	-3,774.8	1,195.8	289.2	188.7	100.52	2.877		
11,300.0	7,989.0	11,094.1	7,751.3	78.4	79.3	-34.79	-3,874.8	1,196.1	289.4	186.5	102.88	2.813		
11,400.0	7,989.0	11,194.1	7,751.1	80.2	81.1	-34.76	-3,974.8	1,196.4	289.6	184.3	105.25	2.751		
11,500.0	7,989.0	11,294.1	7,750.9	82.0	82.9	-34.74	-4,074.8	1,196.8	289.7	182.1	107.62	2.692		
11,600.0	7,989.0	11,394.1	7,750.7	83.8	84.7	-34.72	-4,174.8	1,197.1	289.9	179.9	109.99	2.636		
11,700.0	7,989.0	11,494.1	7,750.5	85.7	86.5	-34.69	-4,274.8	1,197.4	290.1	177.7	112.37	2.581		
11,800.0	7,989.0	11,594.1	7,750.3	87.5	88.3	-34.67	-4,374.8	1,197.8	290.2	175.5	114.74	2.529		
11,900.0	7,989.0	11,694.1	7,750.1	89.3	90.2	-34.65	-4,474.8	1,198.1	290.4	173.3	117.12	2.479		
12,000.0	7,989.0	11,794.1	7,749.9	91.1	92.0	-34.63	-4,574.8	1,198.4	290.6	171.1	119.50	2.432		
12,100.0	7,989.0	11,894.1	7,749.7	93.0	93.8	-34.60	-4,674.8	1,198.8	290.7	168.9	121.88	2.385		
12,200.0	7,989.0	11,994.1	7,749.5	94.8	95.6	-34.58	-4,774.8	1,199.1	290.9	166.6	124.26	2.341		
12,300.0	7,989.0	12,094.1	7,749.3	96.7	97.5	-34.56	-4,874.8	1,199.4	291.1	164.4	126.64	2.298		
12,400.0	7,989.0	12,194.1	7,749.1	98.5	99.3	-34.54	-4,974.8	1,199.7	291.2	162.2	129.02	2.257		
12,500.0	7,989.0	12,294.1	7,748.9	100.4	101.1	-34.51	-5,074.8	1,200.1	291.4	160.0	131.40	2.218		
12,600.0	7,989.0	12,394.1	7,748.7	102.2	103.0	-34.49	-5,174.8	1,200.4	291.6	157.8	133.78	2.179		
12,700.0	7,989.0	12,494.1	7,748.5	104.1	104.8	-34.47	-5,274.8	1,200.7	291.7	155.6	136.16	2.142		
12,800.0	7,989.0	12,594.1	7,748.3	105.9	106.7	-34.45	-5,374.8	1,201.1	291.9	153.3	138.55	2.107		
12,900.0	7,989.0	12,694.1	7,748.1	107.8	108.5	-34.43	-5,474.8	1,201.4	292.1	151.1	140.93	2.072		
13,000.0	7,989.0	12,794.1	7,747.9	109.6	110.4	-34.40	-5,574.8	1,201.7	292.2	148.9	143.31	2.039		
13,100.0	7,989.0	12,894.1	7,747.7	111.5	112.2	-34.38	-5,674.8	1,202.1	292.4	146.7	145.69	2.007		
13,200.0	7,989.0	12,994.1	7,747.5	113.4	114.1	-34.36	-5,774.8	1,202.4	292.6	144.5	148.08	1.976		
13,300.0	7,989.0	13,094.1	7,747.3	115.2	115.9	-34.34	-5,874.7	1,202.7	292.7	142.3	150.46	1.946		
13,400.0	7,989.0	13,194.1	7,747.1	117.1	117.8	-34.31	-5,974.7	1,203.1	292.9	140.1	152.84	1.916		
13,500.0	7,989.0	13,294.1	7,746.9	119.0	119.6	-34.29	-6,074.7	1,203.4	293.1	137.8	155.22	1.888		
13,600.0	7,989.0	13,394.1	7,746.7	120.8	121.5	-34.27	-6,174.7	1,203.7	293.2	135.6	157.60	1.861		
13,700.0	7,989.0	13,494.1	7,746.5	122.7	123.4	-34.25	-6,274.7	1,204.1	293.4	133.4	159.98	1.834		
13,800.0	7,989.0	13,594.1	7,746.3	124.6	125.2	-34.23	-6,374.7	1,204.4	293.6	131.2	162.36	1.808		
13,900.0	7,989.0	13,694.1	7,746.1	126.4	127.1	-34.20	-6,474.7	1,204.7	293.7	129.0	164.74	1.783		
14,000.0	7,989.0	13,794.1	7,745.9	128.3	129.0	-34.18	-6,574.7	1,205.1	293.9	126.8	167.12	1.759		
14,100.0	7,989.0	13,894.1	7,745.7	130.2	130.8	-34.16	-6,674.7	1,205.4	294.1	124.6	169.49	1.735		
14,200.0	7,989.0	13,994.1	7,745.5	132.1	132.7	-34.14	-6,774.7	1,205.7	294.2	122.4	171.87	1.712		
14,300.0	7,989.0	14,094.1	7,745.3	133.9	134.6	-34.12	-6,874.7	1,206.1	294.4	120.1	174.25	1.690		
14,400.0	7,989.0	14,194.1	7,745.1	135.8	136.5	-34.09	-6,974.7	1,206.4	294.6	117.9	176.62	1.668		
14,500.0	7,989.0	14,294.1	7,744.9	137.7	138.3	-34.07	-7,074.7	1,206.7	294.7	115.7	179.00	1.647		
14,600.0	7,989.0	14,394.1	7,744.7	139.6	140.2	-34.05	-7,174.7	1,207.1	294.9	113.5	181.37	1.626		
14,700.0	7,989.0	14,494.1	7,744.5	141.5	142.1	-34.03	-7,274.7	1,207.4	295.1	111.3	183.74	1.606		
14,800.0	7,989.0	14,594.1	7,744.3	143.4	144.0	-34.01	-7,374.7	1,207.7	295.2	109.1	186.11	1.586		
14,900.0	7,989.0	14,694.1	7,744.1	145.2	145.8	-33.99	-7,474.7	1,208.1	295.4	106.9	188.48	1.567		
15,000.0	7,989.0	14,794.1	7,743.9	147.1	147.7	-33.96	-7,574.7	1,208.4	295.6	104.7	190.85	1.549		
15,100.0	7,989.0	14,894.1	7,743.7	149.0	149.6	-33.94	-7,674.7	1,208.7	295.7	102.5	193.22	1.531		
15,200.0	7,989.0	14,994.1	7,743.5	150.9	151.5	-33.92	-7,774.7	1,209.1	295.9	100.3	195.59	1.513		
15,300.0	7,989.0	15,094.1	7,743.3	152.8	153.4	-33.90	-7,874.7	1,209.4	296.1	98.1	197.95	1.496 Level 3		
15,400.0	7,989.0	15,194.1	7,743.1	154.7	155.3	-33.88	-7,974.7	1,209.7	296.2	95.9	200.32	1.479 Level 3		
15,500.0	7,989.0	15,294.1	7,742.9	156.6	157.1	-33.86	-8,074.7	1,210.1	296.4	93.7	202.68	1.462 Level 3		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-14-23HN - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,600.0	7,989.0	15,394.1	7,742.7	158.4	159.0	-33.83	-8,174.7	1,210.4	296.6	91.5	205.05	1.446	Level 3
15,700.0	7,989.0	15,494.1	7,742.5	160.3	160.9	-33.81	-8,274.7	1,210.7	296.7	89.3	207.41	1.431	Level 3
15,800.0	7,989.0	15,594.1	7,742.2	162.2	162.8	-33.79	-8,374.7	1,211.1	296.9	87.1	209.77	1.415	Level 3
15,900.0	7,989.0	15,694.1	7,742.0	164.1	164.7	-33.77	-8,474.7	1,211.4	297.1	84.9	212.13	1.400	Level 3
15,920.8	7,989.0	15,714.9	7,742.0	164.5	165.0	-33.76	-8,495.5	1,211.5	297.1	84.5	212.57	1.398	Level 3, SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	32.74	459.0	295.1	545.7					
100.0	100.0	97.0	97.0	0.1	0.1	32.74	459.0	295.1	545.7	545.5	0.22	2,464.720		
200.0	200.0	197.0	197.0	0.3	0.3	32.74	459.0	295.1	545.7	545.0	0.67	817.446		
300.0	300.0	297.0	297.0	0.6	0.6	32.74	459.0	295.1	545.7	544.6	1.12	488.494		
400.0	400.0	397.0	397.0	0.8	0.8	32.74	459.0	295.1	545.7	544.1	1.57	348.324		
500.0	500.0	515.5	515.4	1.0	1.0	32.61	458.0	293.0	544.0	542.0	2.04	267.111		
600.0	600.0	634.1	633.8	1.2	1.3	32.19	455.0	286.4	538.9	536.4	2.51	214.709		
700.0	700.0	751.9	751.0	1.5	1.6	31.47	450.0	275.5	530.4	527.4	3.01	176.406		
800.0	800.0	868.6	866.5	1.7	1.9	30.44	443.1	260.3	518.6	515.1	3.53	147.048		
900.0	900.0	983.3	979.3	1.9	2.3	-81.80	434.4	241.3	503.4	499.4	4.06	123.940		
1,000.0	999.8	1,081.9	1,075.8	2.1	2.7	-84.20	426.0	222.8	486.3	481.8	4.57	106.340		
1,100.0	1,099.5	1,178.1	1,169.9	2.3	3.1	-87.10	417.7	204.8	469.7	464.6	5.12	91.754		
1,200.0	1,198.7	1,273.5	1,263.2	2.6	3.5	-90.54	409.5	186.9	454.0	448.3	5.72	79.372		
1,300.0	1,297.6	1,368.0	1,355.7	2.8	3.9	-94.32	401.4	169.2	440.1	433.7	6.38	68.957		
1,400.0	1,396.4	1,462.4	1,448.1	3.1	4.3	-98.20	393.3	151.5	428.3	421.2	7.09	60.410		
1,500.0	1,495.2	1,556.9	1,540.5	3.4	4.8	-102.26	385.3	133.8	418.7	410.9	7.83	53.471		
1,600.0	1,594.0	1,651.3	1,632.9	3.8	5.2	-106.47	377.2	116.1	411.6	403.0	8.59	47.886		
1,700.0	1,692.8	1,745.7	1,725.3	4.1	5.6	-110.79	369.1	98.3	407.0	397.6	9.37	43.434		
1,800.0	1,791.6	1,840.2	1,817.7	4.4	6.0	-115.17	361.0	80.6	405.0	394.8	10.14	39.923		
1,824.2	1,815.5	1,863.0	1,840.1	4.5	6.1	-116.24	359.0	76.4	404.9	394.6	10.33	39.195 CC		
1,900.0	1,890.4	1,934.6	1,910.1	4.8	6.5	-119.57	352.9	62.9	405.7	394.8	10.91	37.192		
2,000.0	1,989.2	2,029.0	2,002.5	5.1	6.9	-123.92	344.8	45.2	409.0	397.4	11.65	35.107		
2,100.0	2,088.0	2,123.4	2,094.9	5.5	7.3	-128.19	336.7	27.5	415.0	402.6	12.37	33.553		
2,200.0	2,186.8	2,217.9	2,187.3	5.8	7.8	-132.33	328.6	9.8	423.4	410.3	13.05	32.435		
2,300.0	2,285.6	2,312.3	2,279.7	6.2	8.2	-136.30	320.5	-7.9	434.1	420.4	13.71	31.674		
2,400.0	2,384.4	2,406.7	2,372.1	6.5	8.6	-140.08	312.4	-25.6	447.1	432.7	14.33	31.203		
2,500.0	2,483.2	2,501.2	2,464.5	6.9	9.0	-143.65	304.3	-43.3	462.0	447.1	14.92	30.964		
2,600.0	2,582.0	2,595.6	2,556.9	7.3	9.5	-147.01	296.2	-61.0	478.7	463.2	15.49	30.911		
2,700.0	2,680.8	2,690.0	2,649.3	7.6	9.9	-150.15	288.1	-78.7	497.0	481.0	16.03	31.006		
2,800.0	2,779.6	2,784.4	2,741.7	8.0	10.3	-153.07	280.0	-96.4	516.8	500.2	16.56	31.216		
2,900.0	2,878.4	2,878.9	2,834.1	8.3	10.8	-155.78	271.9	-114.1	537.9	520.8	17.07	31.515		
3,000.0	2,977.2	2,973.3	2,926.5	8.7	11.2	-158.30	263.9	-131.9	560.1	542.5	17.57	31.881		
3,100.0	3,076.0	3,067.7	3,018.9	9.1	11.6	-160.64	255.8	-149.6	583.3	565.3	18.06	32.296		
3,200.0	3,174.8	3,162.2	3,111.3	9.4	12.1	-162.80	247.7	-167.3	607.4	588.9	18.55	32.748		
3,300.0	3,273.6	3,256.6	3,203.7	9.8	12.5	-164.80	239.6	-185.0	632.3	613.3	19.03	33.224		
3,400.0	3,372.4	3,351.0	3,296.1	10.2	12.9	-166.65	231.5	-202.7	658.0	638.5	19.52	33.716		
3,500.0	3,471.2	3,445.4	3,388.5	10.5	13.4	-168.37	223.4	-220.4	684.2	664.2	20.00	34.216		
3,600.0	3,570.1	3,539.9	3,480.9	10.9	13.8	-169.97	215.3	-238.1	711.0	690.5	20.48	34.720		
3,700.0	3,668.9	3,634.3	3,573.3	11.3	14.3	-171.45	207.2	-255.8	738.3	717.3	20.96	35.222		
3,800.0	3,767.7	3,728.7	3,665.7	11.6	14.7	-172.84	199.1	-273.5	766.0	744.6	21.45	35.720		
3,900.0	3,866.5	3,823.2	3,758.1	12.0	15.1	-174.12	191.0	-291.2	794.2	772.2	21.93	36.211		
4,000.0	3,965.3	3,917.6	3,850.5	12.4	15.6	-175.32	182.9	-308.9	822.6	800.2	22.42	36.693		
4,100.0	4,064.1	4,012.0	3,942.9	12.7	16.0	-176.45	174.8	-326.6	851.4	828.5	22.91	37.165		
4,200.0	4,162.9	4,106.4	4,035.3	13.1	16.4	-177.50	166.7	-344.3	880.5	857.1	23.40	37.626		
4,300.0	4,261.7	4,200.9	4,127.7	13.5	16.9	-178.48	158.6	-362.0	909.9	886.0	23.90	38.075		
4,400.0	4,360.5	4,295.3	4,220.1	13.8	17.3	-179.41	150.5	-379.8	939.5	915.1	24.39	38.512		
4,500.0	4,459.3	4,389.7	4,312.5	14.2	17.7	179.73	142.4	-397.5	969.3	944.4	24.89	38.936		
4,600.0	4,558.1	4,484.2	4,404.9	14.6	18.2	178.91	134.4	-415.2	999.3	973.9	25.40	39.348		
7,000.0	6,929.4	9,390.3	7,841.3	23.5	45.0	-133.55	-72.5	868.6	947.8	885.4	62.44	15.180		
7,100.0	7,028.2	9,404.4	7,841.2	23.9	45.3	-131.23	-72.6	882.7	854.3	790.5	63.85	13.380		
7,200.0	7,127.0	9,418.5	7,841.2	24.2	45.6	-128.84	-72.6	896.8	762.3	697.0	65.25	11.681		
7,300.0	7,225.8	9,432.6	7,841.1	24.6	46.0	-126.38	-72.6	911.0	672.1	605.5	66.63	10.087		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,400.0	7,324.6	9,446.7	7,841.1	25.0	46.3	-126.54	-72.7	925.1	584.9	516.9	68.01	8.600	
7,500.0	7,422.6	9,460.8	7,841.0	25.3	46.6	-153.04	-72.7	939.1	507.0	438.3	68.79	7.371	
7,600.0	7,517.9	9,474.5	7,841.0	25.8	46.9	-162.73	-72.8	952.9	449.1	381.1	67.94	6.610	
7,700.0	7,608.5	9,487.7	7,840.9	26.3	47.2	-166.73	-72.8	966.0	420.7	354.9	65.74	6.399 SF	
7,729.0	7,633.7	9,491.3	7,840.9	26.5	47.3	-167.40	-72.8	969.7	419.1	354.2	64.87	6.460 ES	
7,800.0	7,692.7	9,500.0	7,840.9	26.9	47.5	-168.50	-72.9	978.4	428.4	366.0	62.37	6.869	
7,900.0	7,768.9	9,511.3	7,840.8	27.5	47.8	-169.15	-72.9	989.6	470.4	412.4	58.02	8.108	
8,000.0	7,835.6	9,521.2	7,840.8	28.3	48.0	-169.05	-72.9	999.6	538.2	485.3	52.92	10.171	
8,100.0	7,891.5	9,529.7	7,840.8	29.1	48.2	-168.15	-73.0	1,008.1	622.3	574.9	47.39	13.132	
8,200.0	7,935.4	9,536.6	7,840.8	30.0	48.4	-165.70	-73.0	1,014.9	715.8	673.8	42.08	17.014	
8,300.0	7,966.7	9,541.6	7,840.7	31.0	48.5	-156.32	-73.0	1,020.0	814.1	774.8	39.23	20.748	
8,400.0	7,984.6	9,544.8	7,840.7	32.1	48.6	-26.45	-73.0	1,023.2	913.9	881.8	32.06	28.509	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	33.06	445.2	289.8	531.2					
100.0	100.0	97.0	97.0	0.1	0.1	33.06	445.2	289.8	531.2	531.0	0.22	2,399.144		
200.0	200.0	197.0	197.0	0.3	0.3	33.06	445.2	289.8	531.2	530.5	0.67	795.697		
300.0	300.0	317.3	317.3	0.6	0.6	32.97	443.7	287.9	529.3	528.2	1.14	462.927		
400.0	400.0	437.8	437.5	0.8	0.9	32.68	439.3	281.8	523.5	521.9	1.64	320.030		
500.0	500.0	557.5	556.6	1.0	1.2	32.18	432.0	271.8	513.8	511.7	2.16	237.406		
600.0	600.0	675.9	673.8	1.2	1.6	31.46	421.8	258.0	500.4	497.6	2.73	183.319		
700.0	700.0	792.8	788.5	1.5	2.0	30.47	409.0	240.6	483.2	479.9	3.33	145.011		
800.0	800.0	901.0	894.1	1.7	2.5	29.27	394.7	221.2	462.8	458.9	3.95	117.300		
900.0	900.0	998.1	988.6	1.9	2.9	-82.92	381.6	203.3	441.7	437.4	4.27	103.405		
1,000.0	999.8	1,094.6	1,082.5	2.1	3.4	-85.41	368.5	185.5	420.6	415.8	4.80	87.681		
1,100.0	1,099.5	1,190.5	1,175.9	2.3	3.9	-88.56	355.4	167.8	400.0	394.6	5.37	74.415		
1,200.0	1,198.7	1,285.5	1,268.4	2.6	4.3	-92.46	342.5	150.2	380.4	374.4	6.02	63.170		
1,300.0	1,297.6	1,379.9	1,360.2	2.8	4.8	-96.85	329.7	132.8	362.8	356.1	6.75	53.783		
1,400.0	1,396.4	1,474.1	1,451.9	3.1	5.3	-101.49	316.9	115.4	347.6	340.0	7.53	46.166		
1,500.0	1,495.2	1,568.3	1,543.6	3.4	5.7	-106.48	304.1	98.0	335.0	326.6	8.36	40.072		
1,600.0	1,594.0	1,662.6	1,635.4	3.8	6.2	-111.77	291.3	80.6	325.4	316.1	9.22	35.280		
1,700.0	1,692.8	1,756.8	1,727.1	4.1	6.7	-117.31	278.5	63.2	319.0	308.9	10.10	31.587		
1,800.0	1,791.6	1,851.0	1,818.8	4.4	7.1	-122.99	265.7	45.8	316.0	305.1	10.97	28.817		
1,833.3	1,824.5	1,882.4	1,849.3	4.5	7.3	-124.89	261.5	40.0	315.8	304.6	11.25	28.071		
1,900.0	1,890.4	1,945.2	1,910.5	4.8	7.6	-128.70	252.9	28.4	316.6	304.8	11.81	26.813		
2,000.0	1,989.2	2,039.5	2,002.2	5.1	8.1	-134.34	240.1	11.0	320.7	308.1	12.61	25.439		
2,100.0	2,088.0	2,133.7	2,093.9	5.5	8.5	-139.81	227.3	-6.4	328.2	314.9	13.36	24.575		
2,200.0	2,186.8	2,227.9	2,185.7	5.8	9.0	-145.01	214.5	-23.9	338.9	324.8	14.05	24.119		
2,300.0	2,285.6	2,322.2	2,277.4	6.2	9.5	-149.88	201.7	-41.3	352.4	337.7	14.69	23.982		
2,400.0	2,384.4	2,416.4	2,369.1	6.5	9.9	-154.40	188.9	-58.7	368.4	353.2	15.29	24.091		
2,500.0	2,483.2	2,510.6	2,460.8	6.9	10.4	-158.55	176.1	-76.1	386.8	370.9	15.86	24.385		
2,600.0	2,582.0	2,604.8	2,552.5	7.3	10.9	-162.34	163.3	-93.5	407.0	390.6	16.40	24.816		
2,700.0	2,680.8	2,699.1	2,644.3	7.6	11.4	-165.77	150.5	-110.9	428.9	412.0	16.92	25.344		
2,800.0	2,779.6	2,793.3	2,736.0	8.0	11.8	-168.89	137.7	-128.3	452.2	434.8	17.43	25.940		
2,900.0	2,878.4	2,887.5	2,827.7	8.3	12.3	-171.71	124.9	-145.7	476.8	458.8	17.94	26.578		
3,000.0	2,977.2	2,981.8	2,919.4	8.7	12.8	-174.26	112.1	-163.1	502.3	483.9	18.44	27.242		
3,100.0	3,076.0	3,076.0	3,011.1	9.1	13.2	-176.57	99.3	-180.5	528.8	509.8	18.94	27.917		
3,200.0	3,174.8	3,170.2	3,102.9	9.4	13.7	-178.67	86.5	-197.9	556.0	536.5	19.44	28.595		
3,300.0	3,273.6	3,264.4	3,194.6	9.8	14.2	-179.43	73.7	-215.3	583.9	563.9	19.95	29.267		
3,400.0	3,372.4	3,358.7	3,286.3	10.2	14.7	-177.69	61.0	-232.7	612.3	591.8	20.46	29.929		
3,500.0	3,471.2	3,452.9	3,378.0	10.5	15.1	-176.10	48.2	-250.1	641.2	620.2	20.97	30.577		
3,600.0	3,570.1	3,547.1	3,469.7	10.9	15.6	-174.65	35.4	-267.5	670.5	649.0	21.49	31.207		
3,700.0	3,668.9	3,641.4	3,561.5	11.3	16.1	-173.32	22.6	-284.9	700.2	678.2	22.01	31.819		
3,800.0	3,767.7	3,735.6	3,653.2	11.6	16.6	-172.09	9.8	-302.3	730.3	707.8	22.53	32.412		
3,900.0	3,866.5	3,829.8	3,744.9	12.0	17.0	-170.96	-3.0	-319.7	760.6	737.6	23.06	32.985		
4,000.0	3,965.3	3,924.0	3,836.6	12.4	17.5	-169.91	-15.8	-337.1	791.2	767.6	23.59	33.539		
4,100.0	4,064.1	4,018.3	3,928.3	12.7	18.0	-168.94	-28.6	-354.5	822.0	797.9	24.13	34.072		
4,200.0	4,162.9	4,112.5	4,020.0	13.1	18.4	-168.04	-41.4	-372.0	853.0	828.3	24.66	34.586		
4,300.0	4,261.7	4,206.7	4,111.8	13.5	18.9	-167.20	-54.2	-389.4	884.2	859.0	25.20	35.081		
4,400.0	4,360.5	4,301.0	4,203.5	13.8	19.4	-166.42	-67.0	-406.8	915.5	889.8	25.75	35.558		
4,500.0	4,459.3	4,395.2	4,295.2	14.2	19.9	-165.69	-79.8	-424.2	947.0	920.7	26.29	36.017		
4,600.0	4,558.1	4,489.4	4,386.9	14.6	20.3	-165.00	-92.6	-441.6	978.7	951.8	26.84	36.459		
6,900.0	6,830.6	9,315.2	7,750.6	23.1	44.4	143.42	-402.5	852.9	927.2	882.5	44.61	20.785		
7,000.0	6,929.4	9,329.3	7,750.5	23.5	44.8	141.59	-402.5	867.0	928.2	882.5	45.73	18.114		
7,100.0	7,028.2	9,343.5	7,750.5	23.9	45.1	139.33	-402.6	881.1	929.4	882.3	47.09	15.490		
7,200.0	7,127.0	9,357.6	7,750.4	24.2	45.4	136.45	-402.6	895.3	930.5	881.7	48.80	12.920		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,300.0	7,225.8	9,371.7	7,750.4	24.6	45.7	132.69	-402.7	909.4	531.8	480.7	51.05	10.417	
7,400.0	7,324.6	9,385.9	7,750.3	25.0	46.1	127.30	-402.7	923.6	433.1	380.3	52.81	8.201	
7,500.0	7,422.6	9,399.9	7,750.3	25.3	46.4	147.65	-402.8	937.6	334.1	289.3	44.82	7.455	
7,600.0	7,517.9	9,413.7	7,750.2	25.8	46.7	173.64	-402.8	951.4	236.4	175.7	60.70	3.894	
7,700.0	7,608.5	9,426.9	7,750.2	26.3	47.0	-176.27	-402.9	964.6	145.9	82.0	63.87	2.285	
7,800.0	7,692.7	9,439.3	7,750.2	26.9	47.3	-170.90	-402.9	976.9	93.1	30.8	62.35	1.493 Level 3	
7,806.8	7,698.1	9,440.1	7,750.1	26.9	47.3	-170.58	-402.9	977.7	92.8	30.7	62.16	1.493 Level 3, CC, ES, SF	
7,900.0	7,768.9	9,450.5	7,750.1	27.5	47.6	-165.99	-402.9	988.2	135.3	76.2	59.08	2.291	
8,000.0	7,835.6	9,460.5	7,750.1	28.3	47.8	-158.23	-403.0	998.2	223.9	168.6	55.28	4.049	
8,100.0	7,891.5	9,469.0	7,750.0	29.1	48.0	-134.09	-403.0	1,006.7	321.8	269.0	52.80	6.094	
8,200.0	7,935.4	9,475.9	7,750.0	30.0	48.2	-43.36	-403.0	1,013.6	421.4	381.7	39.77	10.598	
8,300.0	7,966.7	9,480.9	7,750.0	31.0	48.3	-12.46	-403.0	1,018.6	520.6	486.9	33.66	15.463	
8,400.0	7,984.6	9,484.1	7,750.0	32.1	48.4	-4.18	-403.1	1,021.8	618.0	587.9	30.05	20.565	
8,500.0	7,989.0	9,485.4	7,750.0	33.2	48.4	-0.88	-403.1	1,023.1	713.0	684.3	28.64	24.896	
8,600.0	7,989.0	9,486.1	7,750.0	34.4	48.4	-1.04	-403.1	1,023.8	808.0	779.0	29.03	27.837	
8,700.0	7,989.0	9,486.7	7,750.0	35.6	48.4	-1.20	-403.1	1,024.4	904.1	874.7	29.45	30.701	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 415-												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
13,300.0	7,989.0	8,433.5	8,104.3	115.2	40.6	-103.65	-6,740.6	1,340.4	919.2	771.5	147.71	6.223	
13,400.0	7,989.0	8,423.9	8,094.7	117.1	40.6	-101.93	-6,741.6	1,339.9	825.6	675.1	150.54	5.484	
13,500.0	7,989.0	8,414.1	8,085.0	119.0	40.6	-100.16	-6,742.6	1,339.4	733.6	580.3	153.30	4.786	
13,600.0	7,989.0	8,404.2	8,075.2	120.8	40.5	-98.33	-6,743.7	1,338.9	643.9	487.9	155.97	4.128	
13,700.0	7,989.0	8,394.2	8,065.2	122.7	40.5	-96.46	-6,744.7	1,338.4	557.4	398.8	158.54	3.516	
13,800.0	7,989.0	8,383.8	8,055.0	124.6	40.5	-94.51	-6,745.8	1,337.9	476.0	315.0	160.99	2.957	
13,900.0	7,989.0	8,373.2	8,044.4	126.4	40.5	-92.49	-6,746.9	1,337.3	402.8	239.6	163.30	2.467	
14,000.0	7,989.0	8,362.5	8,033.8	128.3	40.4	-90.44	-6,748.0	1,336.7	343.2	177.7	165.43	2.074	
14,100.0	7,989.0	8,351.8	8,023.1	130.2	40.4	-88.38	-6,749.1	1,336.2	305.0	137.6	167.39	1.822	
14,175.2	7,989.0	8,343.7	8,015.1	131.6	40.4	-86.82	-6,750.0	1,335.7	295.6	126.9	168.73	1.752 CC, ES, SF	
14,200.0	7,989.0	8,341.0	8,012.4	132.1	40.4	-86.30	-6,750.3	1,335.6	296.7	127.5	169.15	1.754	
14,300.0	7,989.0	8,330.2	8,001.7	133.9	40.3	-84.22	-6,751.4	1,335.0	320.6	149.9	170.71	1.878	
14,400.0	7,989.0	8,319.3	7,990.9	135.8	40.3	-82.13	-6,752.6	1,334.4	370.6	198.6	172.06	2.154	
14,500.0	7,989.0	8,308.4	7,980.0	137.7	40.3	-80.04	-6,753.8	1,333.7	437.8	264.6	173.19	2.528	
14,600.0	7,989.0	8,297.4	7,969.1	139.6	40.2	-77.96	-6,754.9	1,333.1	515.5	341.4	174.11	2.961	
14,700.0	7,989.0	8,286.5	7,958.3	141.5	40.2	-75.93	-6,756.1	1,332.5	599.7	424.9	174.83	3.430	
14,800.0	7,989.0	8,275.7	7,947.6	143.4	40.2	-73.92	-6,757.3	1,331.8	688.0	512.6	175.36	3.923	
14,900.0	7,989.0	8,264.7	7,936.6	145.2	40.2	-71.93	-6,758.4	1,331.2	778.9	603.2	175.67	4.434	
15,000.0	7,989.0	8,253.5	7,925.6	147.1	40.1	-69.94	-6,759.7	1,330.6	871.7	695.9	175.79	4.959	
15,100.0	7,989.0	8,242.3	7,914.5	149.0	40.1	-67.98	-6,760.9	1,330.0	965.8	790.1	175.70	5.497	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

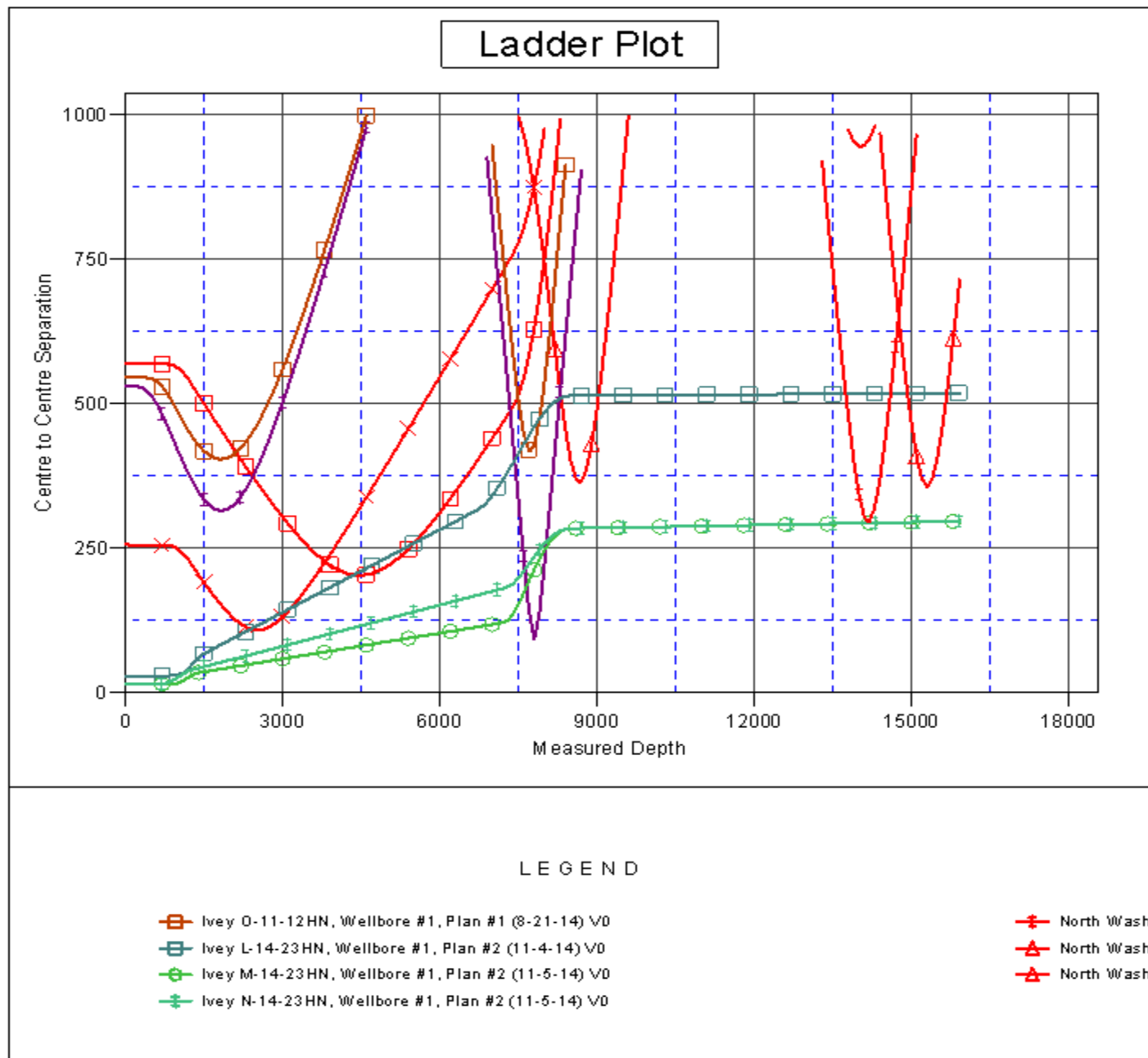
Offset Design												Offset Site Error:	0.0 ft
Survey Program: 186- North Washington Pad SEC.23-T1S-R68W - North Washington 2-23 (Exist.) - North Washington 2-23 -												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
13,800.0	7,989.0	8,357.1	8,036.1	124.6		90.28	-6,609.0	93.9	973.8	850.5	123.26	7.900	
13,900.0	7,989.0	8,341.3	8,020.5	126.4		89.33	-6,611.7	94.4	955.0	829.9	125.10	7.633	
14,000.0	7,989.0	8,325.7	8,005.2	128.3		88.40	-6,614.2	95.0	946.1	819.2	126.91	7.455	
14,036.2	7,989.0	8,320.2	7,999.7	129.0		88.07	-6,615.2	95.2	945.4	817.9	127.56	7.412 CC, ES	
14,100.0	7,989.0	8,310.4	7,990.1	130.2		87.49	-6,616.7	95.5	947.5	818.8	128.70	7.362	
14,200.0	7,989.0	8,295.0	7,974.9	132.1		86.57	-6,619.3	96.0	959.2	828.7	130.45	7.353 SF	
14,300.0	7,989.0	8,278.4	7,958.5	133.9		85.58	-6,622.0	96.5	980.7	848.5	132.16	7.420	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design North Washington Pad SEC.23-T1S-R68W - North Washington 8-23 (Exist.) - Wellbore #1 N Washington												Offset Site Error:	0.0 ft
Survey Program: 1421-												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,400.0	7,989.0	8,195.9	8,021.8	135.8	26.0	-88.44	-7,875.6	1,400.9	969.1	812.4	156.67	6.185	
14,500.0	7,989.0	8,196.2	8,022.1	137.7	26.0	-88.48	-7,875.6	1,400.9	876.8	718.3	158.57	5.530	
14,600.0	7,989.0	8,196.4	8,022.3	139.6	26.0	-88.52	-7,875.6	1,400.9	786.6	626.1	160.46	4.902	
14,700.0	7,989.0	8,196.7	8,022.5	141.5	26.0	-88.56	-7,875.6	1,400.9	698.9	536.5	162.36	4.305	
14,800.0	7,989.0	8,196.9	8,022.8	143.4	26.0	-88.60	-7,875.6	1,400.9	615.0	450.8	164.26	3.744	
14,900.0	7,989.0	8,197.2	8,023.0	145.2	26.0	-88.64	-7,875.6	1,400.9	536.7	370.6	166.16	3.230	
15,000.0	7,989.0	8,197.4	8,023.3	147.1	26.0	-88.68	-7,875.6	1,400.9	466.8	298.7	168.05	2.777	
15,100.0	7,989.0	8,197.7	8,023.5	149.0	26.0	-88.72	-7,875.6	1,400.9	409.5	239.5	169.95	2.409	
15,200.0	7,989.0	8,197.9	8,023.8	150.9	26.0	-88.76	-7,875.6	1,400.9	370.8	198.9	171.85	2.158	
15,300.0	7,989.0	8,198.2	8,024.0	152.8	26.0	-88.80	-7,875.6	1,400.9	356.8	183.0	173.75	2.053	
15,301.0	7,989.0	8,198.2	8,024.0	152.8	26.0	-88.80	-7,875.6	1,400.9	356.8	183.0	173.77	2.053 CC, ES, SF	
15,400.0	7,989.0	8,198.4	8,024.3	154.7	26.0	-88.84	-7,875.6	1,401.0	370.2	194.6	175.65	2.108	
15,500.0	7,989.0	8,198.7	8,024.6	156.6	26.0	-88.89	-7,875.6	1,401.0	408.5	231.0	177.55	2.301	
15,600.0	7,989.0	8,199.0	8,024.8	158.4	26.0	-88.93	-7,875.6	1,401.0	465.5	286.0	179.45	2.594	
15,700.0	7,989.0	8,199.2	8,025.1	160.3	26.0	-88.97	-7,875.6	1,401.0	535.2	353.9	181.35	2.951	
15,800.0	7,989.0	8,199.5	8,025.4	162.2	26.0	-89.01	-7,875.6	1,401.0	613.4	430.2	183.25	3.347	
15,900.0	7,989.0	8,199.8	8,025.6	164.1	26.0	-89.06	-7,875.6	1,401.0	697.2	512.0	185.16	3.765	
15,920.8	7,989.0	8,199.8	8,025.7	164.5	26.0	-89.07	-7,875.6	1,401.0	715.1	529.6	185.55	3.854	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5132.5ft (Original Well Elev) Coordinates are relative to: Ivey M-14-23HC
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
 Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.34°



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-14-23HC
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-14-23HC	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5132.5ft (Original Well Elev) Coordinates are relative to: Ivey M-14-23HC
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
 Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.34°

