

Bayswater Exploration & Production, LLC

Well Name: **Ivey M-11-12HN**

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

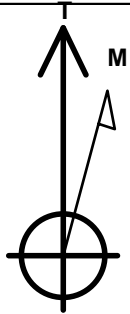
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 5108.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1234198.23	3149774.74	39.975019	-104.965576	
Original Well Elev WELL @ 5130.5ft (Original Well Elev)						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1091'FSL, 1725'FEL, SEC.11	1.0	0.0	0.0	Point
BHL 1180'FSL, 2175'FWL, SEC.12	7740.0	75.4	3899.9	Point
LANDING PT. 1180'FSL, 2175'FEL, SEC.11	7755.0	89.6	-450.1	Point



Azimuths to True North
Magnetic North: 8.52°

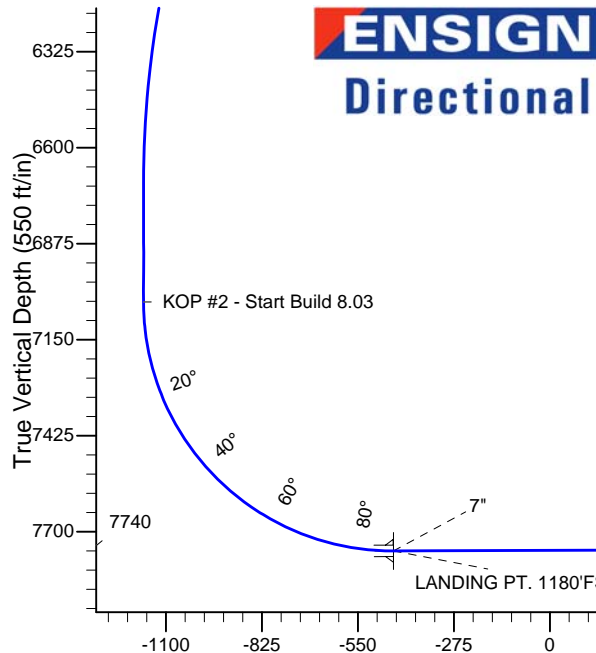
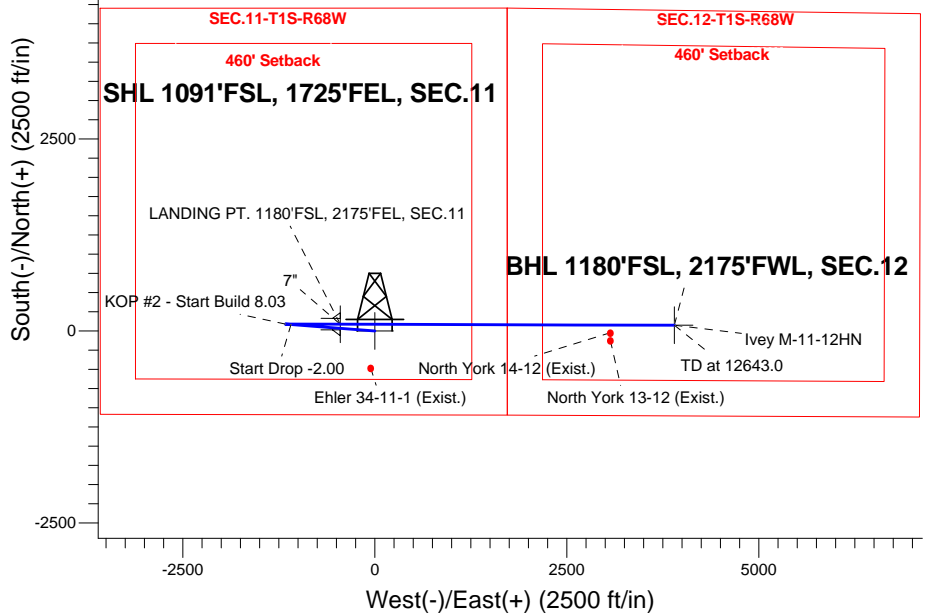
Magnetic Field
Strength: 52560.8nT
Dip Angle: 66.57°
Date: 7/10/2014
Model: IGRF2010

Ivey Pad Sec.11-T1S-R68W
Ivey M-11-12HN
Plan #2 (9-4-14)

ANNOTATIONS

TVD	MD	Annotation
1000.0	1000.0	KOP - Start Build 2.00
6052.9	6175.4	Start Drop -2.00
7041.5	7169.7	KOP #2 - Start Build 8.03
7740.0	12643.0	TD at 12643.0

South(-)/North(+) (2500 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	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1652.8	13.06	274.51	1647.1	5.8	-73.8	2.00	274.51	-73.7	
4	6175.4	13.06	274.51	6052.9	86.2	-1092.3	0.00	0.00	-1090.4	
5	6828.2	0.00	0.00	6700.0	92.0	-1166.1	2.00	180.00	-1164.1	
6	7169.7	0.00	0.00	7041.5	92.0	-1166.1	0.00	0.00	-1164.1	
7	8292.9	90.20	90.19	7755.0	89.6	-450.1	8.03	90.19	-448.3	
8	8292.9	90.20	90.19	7755.0	89.6	-450.1	0.00	0.00	-448.3	LANDING PT. 1180'FSL, 2175'FEL, SEC.11
9	8293.2	90.20	90.19	7755.0	89.6	-449.8	1.00	-152.05	-448.0	
10	12643.0	90.20	90.19	7740.0	75.4	3899.9	0.00	0.00	3900.6	BHL 1180'FSL, 2175'FWL, SEC.12

BHL 1180'FSL, 2175'FWL, SEC.12

Vertical Section at 88.89° (550 ft/in)



Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey M-11-12HN

Wellbore #1

Plan: Plan #2 (9-4-14)

Standard Planning Report

05 September, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	landmark	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey M-11-12HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (9-4-14)		

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:			3,149,805.06ft			Longitude:			-104.965466		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.35 °		

Well	Ivey M-11-12HN					
Well Position	+N/-S	-84.9 ft	Northing:	1,234,198.23 ft	Latitude:	39.975019
	+E/-W	-30.8 ft	Easting:	3,149,774.74 ft	Longitude:	-104.965576
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,108.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/10/2014	8.52	66.57	52,561

Design	Plan #2 (9-4-14)			
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	88.89

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,652.8	13.06	274.51	1,647.1	5.8	-73.8	2.00	2.00	0.00	274.51	
6,175.4	13.06	274.51	6,052.9	86.2	-1,092.3	0.00	0.00	0.00	0.00	
6,828.2	0.00	0.00	6,700.0	92.0	-1,166.1	2.00	-2.00	0.00	180.00	
7,169.7	0.00	0.00	7,041.5	92.0	-1,166.1	0.00	0.00	0.00	0.00	
8,292.9	90.20	90.19	7,755.0	89.6	-450.1	8.03	8.03	0.00	90.19	
8,292.9	90.20	90.19	7,755.0	89.6	-450.1	0.00	0.00	0.00	0.00	LANDING PT. 118C
8,293.2	90.20	90.19	7,755.0	89.6	-449.8	1.00	-0.88	-0.47	-152.05	
12,643.0	90.20	90.19	7,740.0	75.4	3,899.9	0.00	0.00	0.00	0.00	BHL 1180'FSL, 217

Database:	landmark	Local Co-ordinate Reference:	Well Ivey M-11-12HN
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Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey M-11-12HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (9-4-14)		

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
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.00									
1,100.0	2.00	274.51	1,100.0	0.1	-1.7	-1.7	2.00	2.00	0.00
1,200.0	4.00	274.51	1,199.8	0.5	-7.0	-6.9	2.00	2.00	0.00
1,300.0	6.00	274.51	1,299.5	1.2	-15.6	-15.6	2.00	2.00	0.00
1,400.0	8.00	274.51	1,398.7	2.2	-27.8	-27.7	2.00	2.00	0.00
1,500.0	10.00	274.51	1,497.5	3.4	-43.4	-43.3	2.00	2.00	0.00
1,600.0	12.00	274.51	1,595.6	4.9	-62.4	-62.3	2.00	2.00	0.00
1,652.8	13.06	274.51	1,647.1	5.8	-73.8	-73.7	2.00	2.00	0.00
1,700.0	13.06	274.51	1,693.1	6.7	-84.5	-84.3	0.00	0.00	0.00
1,800.0	13.06	274.51	1,790.6	8.4	-107.0	-106.8	0.00	0.00	0.00
1,900.0	13.06	274.51	1,888.0	10.2	-129.5	-129.3	0.00	0.00	0.00
2,000.0	13.06	274.51	1,985.4	12.0	-152.0	-151.8	0.00	0.00	0.00
2,100.0	13.06	274.51	2,082.8	13.8	-174.5	-174.2	0.00	0.00	0.00
2,200.0	13.06	274.51	2,180.2	15.5	-197.1	-196.7	0.00	0.00	0.00
2,300.0	13.06	274.51	2,277.6	17.3	-219.6	-219.2	0.00	0.00	0.00
2,400.0	13.06	274.51	2,375.1	19.1	-242.1	-241.7	0.00	0.00	0.00
2,500.0	13.06	274.51	2,472.5	20.9	-264.6	-264.2	0.00	0.00	0.00
2,600.0	13.06	274.51	2,569.9	22.7	-287.1	-286.6	0.00	0.00	0.00
2,700.0	13.06	274.51	2,667.3	24.4	-309.6	-309.1	0.00	0.00	0.00
2,800.0	13.06	274.51	2,764.7	26.2	-332.2	-331.6	0.00	0.00	0.00
2,900.0	13.06	274.51	2,862.1	28.0	-354.7	-354.1	0.00	0.00	0.00
3,000.0	13.06	274.51	2,959.5	29.8	-377.2	-376.6	0.00	0.00	0.00
3,100.0	13.06	274.51	3,057.0	31.5	-399.7	-399.0	0.00	0.00	0.00
3,200.0	13.06	274.51	3,154.4	33.3	-422.2	-421.5	0.00	0.00	0.00
3,300.0	13.06	274.51	3,251.8	35.1	-444.8	-444.0	0.00	0.00	0.00
3,400.0	13.06	274.51	3,349.2	36.9	-467.3	-466.5	0.00	0.00	0.00
3,500.0	13.06	274.51	3,446.6	38.6	-489.8	-489.0	0.00	0.00	0.00
3,600.0	13.06	274.51	3,544.0	40.4	-512.3	-511.4	0.00	0.00	0.00
3,700.0	13.06	274.51	3,641.4	42.2	-534.8	-533.9	0.00	0.00	0.00
3,800.0	13.06	274.51	3,738.9	44.0	-557.4	-556.4	0.00	0.00	0.00
3,900.0	13.06	274.51	3,836.3	45.7	-579.9	-578.9	0.00	0.00	0.00
4,000.0	13.06	274.51	3,933.7	47.5	-602.4	-601.4	0.00	0.00	0.00
4,100.0	13.06	274.51	4,031.1	49.3	-624.9	-623.8	0.00	0.00	0.00
4,200.0	13.06	274.51	4,128.5	51.1	-647.4	-646.3	0.00	0.00	0.00
4,300.0	13.06	274.51	4,225.9	52.9	-670.0	-668.8	0.00	0.00	0.00
4,400.0	13.06	274.51	4,323.4	54.6	-692.5	-691.3	0.00	0.00	0.00
4,500.0	13.06	274.51	4,420.8	56.4	-715.0	-713.8	0.00	0.00	0.00
4,600.0	13.06	274.51	4,518.2	58.2	-737.5	-736.3	0.00	0.00	0.00
4,700.0	13.06	274.51	4,615.6	60.0	-760.0	-758.7	0.00	0.00	0.00
4,800.0	13.06	274.51	4,713.0	61.7	-782.6	-781.2	0.00	0.00	0.00
4,900.0	13.06	274.51	4,810.4	63.5	-805.1	-803.7	0.00	0.00	0.00
5,000.0	13.06	274.51	4,907.8	65.3	-827.6	-826.2	0.00	0.00	0.00
5,100.0	13.06	274.51	5,005.3	67.1	-850.1	-848.7	0.00	0.00	0.00

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Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey M-11-12HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (9-4-14)		

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	13.06	274.51	5,102.7	68.8	-872.6	-871.1	0.00	0.00	0.00
5,300.0	13.06	274.51	5,200.1	70.6	-895.1	-893.6	0.00	0.00	0.00
5,400.0	13.06	274.51	5,297.5	72.4	-917.7	-916.1	0.00	0.00	0.00
5,500.0	13.06	274.51	5,394.9	74.2	-940.2	-938.6	0.00	0.00	0.00
5,600.0	13.06	274.51	5,492.3	76.0	-962.7	-961.1	0.00	0.00	0.00
5,700.0	13.06	274.51	5,589.8	77.7	-985.2	-983.5	0.00	0.00	0.00
5,800.0	13.06	274.51	5,687.2	79.5	-1,007.7	-1,006.0	0.00	0.00	0.00
5,900.0	13.06	274.51	5,784.6	81.3	-1,030.3	-1,028.5	0.00	0.00	0.00
6,000.0	13.06	274.51	5,882.0	83.1	-1,052.8	-1,051.0	0.00	0.00	0.00
6,100.0	13.06	274.51	5,979.4	84.8	-1,075.3	-1,073.5	0.00	0.00	0.00
6,175.4	13.06	274.51	6,052.9	86.2	-1,092.3	-1,090.4	0.00	0.00	0.00
Start Drop -2.00									
6,200.0	12.56	274.51	6,076.9	86.6	-1,097.7	-1,095.8	2.00	-2.00	0.00
6,300.0	10.56	274.51	6,174.8	88.2	-1,117.7	-1,115.8	2.00	-2.00	0.00
6,400.0	8.56	274.51	6,273.4	89.5	-1,134.3	-1,132.3	2.00	-2.00	0.00
6,500.0	6.56	274.51	6,372.5	90.5	-1,147.4	-1,145.4	2.00	-2.00	0.00
6,600.0	4.56	274.51	6,472.1	91.3	-1,157.0	-1,155.1	2.00	-2.00	0.00
6,700.0	2.56	274.51	6,571.9	91.8	-1,163.2	-1,161.3	2.00	-2.00	0.00
6,800.0	0.56	274.51	6,671.8	92.0	-1,166.0	-1,164.0	2.00	-2.00	0.00
6,828.2	0.00	0.00	6,700.0	92.0	-1,166.1	-1,164.1	2.00	-2.00	0.00
6,900.0	0.00	0.00	6,771.8	92.0	-1,166.1	-1,164.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,871.8	92.0	-1,166.1	-1,164.1	0.00	0.00	0.00
7,100.0	0.00	0.00	6,971.8	92.0	-1,166.1	-1,164.1	0.00	0.00	0.00
7,169.7	0.00	0.00	7,041.5	92.0	-1,166.1	-1,164.1	0.00	0.00	0.00
KOP #2 - Start Build 8.03									
7,200.0	2.44	90.19	7,071.8	92.0	-1,165.5	-1,163.5	8.04	8.04	0.00
7,300.0	10.47	90.19	7,171.1	92.0	-1,154.2	-1,152.2	8.03	8.03	0.00
7,400.0	18.50	90.19	7,267.9	91.9	-1,129.2	-1,127.3	8.03	8.03	0.00
7,500.0	26.53	90.19	7,360.2	91.8	-1,091.0	-1,089.0	8.03	8.03	0.00
7,600.0	34.56	90.19	7,446.2	91.6	-1,040.2	-1,038.3	8.03	8.03	0.00
7,700.0	42.59	90.19	7,524.3	91.4	-977.9	-976.0	8.03	8.03	0.00
7,800.0	50.62	90.19	7,593.0	91.1	-905.3	-903.4	8.03	8.03	0.00
7,900.0	58.65	90.19	7,650.8	90.9	-823.8	-821.9	8.03	8.03	0.00
8,000.0	66.68	90.19	7,696.7	90.6	-735.1	-733.2	8.03	8.03	0.00
8,100.0	74.71	90.19	7,729.7	90.3	-640.8	-638.9	8.03	8.03	0.00
8,200.0	82.74	90.19	7,749.3	89.9	-542.8	-541.0	8.03	8.03	0.00
8,292.9	90.20	90.19	7,755.0	89.6	-450.1	-448.3	8.03	8.03	0.00
7"									
8,293.2	90.20	90.19	7,755.0	89.6	-449.8	-448.0	0.42	-0.06	-0.42
8,300.0	90.20	90.19	7,755.0	89.6	-443.0	-441.2	0.00	0.00	0.00
8,400.0	90.20	90.19	7,754.6	89.3	-343.0	-341.2	0.00	0.00	0.00
8,500.0	90.20	90.19	7,754.3	89.0	-243.0	-241.3	0.00	0.00	0.00
8,600.0	90.20	90.19	7,753.9	88.6	-143.0	-141.3	0.00	0.00	0.00
8,700.0	90.20	90.19	7,753.6	88.3	-43.0	-41.3	0.00	0.00	0.00
8,800.0	90.20	90.19	7,753.3	88.0	57.0	58.6	0.00	0.00	0.00
8,900.0	90.20	90.19	7,752.9	87.6	157.0	158.6	0.00	0.00	0.00
9,000.0	90.20	90.19	7,752.6	87.3	257.0	258.6	0.00	0.00	0.00
9,100.0	90.20	90.19	7,752.2	87.0	357.0	358.6	0.00	0.00	0.00
9,200.0	90.20	90.19	7,751.9	86.7	457.0	458.5	0.00	0.00	0.00
9,300.0	90.20	90.19	7,751.5	86.3	557.0	558.5	0.00	0.00	0.00
9,400.0	90.20	90.19	7,751.2	86.0	657.0	658.5	0.00	0.00	0.00
9,500.0	90.20	90.19	7,750.8	85.7	756.9	758.5	0.00	0.00	0.00
9,600.0	90.20	90.19	7,750.5	85.3	856.9	858.4	0.00	0.00	0.00

Database:	landmark	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey M-11-12HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (9-4-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,700.0	90.20	90.19	7,750.1	85.0	956.9	958.4	0.00	0.00	0.00
9,800.0	90.20	90.19	7,749.8	84.7	1,056.9	1,058.4	0.00	0.00	0.00
9,900.0	90.20	90.19	7,749.5	84.4	1,156.9	1,158.4	0.00	0.00	0.00
10,000.0	90.20	90.19	7,749.1	84.0	1,256.9	1,258.3	0.00	0.00	0.00
10,100.0	90.20	90.19	7,748.8	83.7	1,356.9	1,358.3	0.00	0.00	0.00
10,200.0	90.20	90.19	7,748.4	83.4	1,456.9	1,458.3	0.00	0.00	0.00
10,300.0	90.20	90.19	7,748.1	83.1	1,556.9	1,558.3	0.00	0.00	0.00
10,400.0	90.20	90.19	7,747.7	82.7	1,656.9	1,658.2	0.00	0.00	0.00
10,500.0	90.20	90.19	7,747.4	82.4	1,756.9	1,758.2	0.00	0.00	0.00
10,600.0	90.20	90.19	7,747.0	82.1	1,856.9	1,858.2	0.00	0.00	0.00
10,700.0	90.20	90.19	7,746.7	81.7	1,956.9	1,958.1	0.00	0.00	0.00
10,800.0	90.20	90.19	7,746.4	81.4	2,056.9	2,058.1	0.00	0.00	0.00
10,900.0	90.20	90.19	7,746.0	81.1	2,156.9	2,158.1	0.00	0.00	0.00
11,000.0	90.20	90.19	7,745.7	80.8	2,256.9	2,258.1	0.00	0.00	0.00
11,100.0	90.20	90.19	7,745.3	80.4	2,356.9	2,358.0	0.00	0.00	0.00
11,200.0	90.20	90.19	7,745.0	80.1	2,456.9	2,458.0	0.00	0.00	0.00
11,300.0	90.20	90.19	7,744.6	79.8	2,556.9	2,558.0	0.00	0.00	0.00
11,400.0	90.20	90.19	7,744.3	79.4	2,656.9	2,658.0	0.00	0.00	0.00
11,500.0	90.20	90.19	7,743.9	79.1	2,756.9	2,757.9	0.00	0.00	0.00
11,600.0	90.20	90.19	7,743.6	78.8	2,856.9	2,857.9	0.00	0.00	0.00
11,700.0	90.20	90.19	7,743.3	78.5	2,956.9	2,957.9	0.00	0.00	0.00
11,800.0	90.20	90.19	7,742.9	78.1	3,056.9	3,057.9	0.00	0.00	0.00
11,900.0	90.20	90.19	7,742.6	77.8	3,156.9	3,157.8	0.00	0.00	0.00
12,000.0	90.20	90.19	7,742.2	77.5	3,256.9	3,257.8	0.00	0.00	0.00
12,100.0	90.20	90.19	7,741.9	77.1	3,356.9	3,357.8	0.00	0.00	0.00
12,200.0	90.20	90.19	7,741.5	76.8	3,456.9	3,457.8	0.00	0.00	0.00
12,300.0	90.20	90.19	7,741.2	76.5	3,556.9	3,557.7	0.00	0.00	0.00
12,400.0	90.20	90.19	7,740.8	76.2	3,656.9	3,657.7	0.00	0.00	0.00
12,500.0	90.20	90.19	7,740.5	75.8	3,756.9	3,757.7	0.00	0.00	0.00
12,600.0	90.20	90.19	7,740.1	75.5	3,856.9	3,857.7	0.00	0.00	0.00
12,643.0	90.20	90.19	7,740.0	75.4	3,899.9	3,900.6	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									
SHL 1091'FSL, 1725'f - plan hits target - Point	0.00	0.00	1.0	0.0	0.0	1,234,198.25	3,149,774.74	39.975019	-104.965576
BHL 1180'FSL, 2175'f - plan hits target - Point	0.00	0.00	7,740.0	75.4	3,899.9	1,234,297.10	3,153,673.97	39.975225	-104.951661
LANDING PT. 1180'F: - plan hits target - Point	0.00	0.00	7,755.0	89.6	-450.1	1,234,285.15	3,149,324.12	39.975265	-104.967182

Database:	landmark	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey M-11-12HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (9-4-14)		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
8,292.9	7,755.0	7"	7	7-1/2	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,000.0	1,000.0	0.0	0.0	KOP - Start Build 2.00	
6,175.4	6,052.9	0.0	0.0	Start Drop -2.00	
7,169.7	7,041.5	86.2	-1,092.3	KOP #2 - Start Build 8.03	
12,643.0	7,740.0	92.0	-1,166.1	TD at 12643.0	



Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey M-11-12HN

Wellbore #1

Plan #2 (9-4-14)

Anticollision Report

05 September, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #2 (9-4-14)		
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 600.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 9/5/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	12,643.0	Plan #2 (9-4-14) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Existing Pad Sec.11-T1S-R68W						
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	1,320.4	1,287.2	482.3	453.7	16.880	CC
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	8,700.0	7,721.1	567.8	380.0	3.022	ES, SF
Existing Pad Sec.12-T1S-R68W						
North York 13-12 (Exist.) - Wellbore #1 - Wellbore #1	11,809.9	7,731.4	200.3	-65.2	0.754	Level 1, CC, ES, SF
North York 14-12 (Exist.) - Wellbore #1 - Wellbore #1	11,809.5	7,631.4	99.0	-164.5	0.376	Level 1, CC, ES, SF
Ivey Pad Sec.11-T1S-R68W						
Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,000.0	1,000.0	15.1	10.8	3.532	CC, ES
Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	7,342.0	7,319.0	99.4	47.1	1.900	SF
Ivey I-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	1,000.0	1,000.0	45.0	40.7	10.534	CC
Ivey I-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	8,122.3	7,788.0	47.0	7.8	1.199	Level 2, ES, SF
Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,000.0	1,000.0	30.3	26.0	7.085	CC, ES
Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	7,900.0	7,678.9	150.7	113.9	4.088	SF
Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,000.0	1,000.0	60.2	55.9	14.086	CC, ES
Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	8,300.0	7,685.5	220.9	186.9	6.495	SF
Ivey K-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,000.0	999.0	75.2	71.0	17.626	CC, ES
Ivey K-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	8,626.0	7,710.5	152.0	114.5	4.048	SF
Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,000.0	999.0	90.3	86.0	21.159	CC, ES
Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	8,956.1	7,710.4	153.2	111.1	3.641	SF
Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)	800.0	800.0	14.7	11.4	4.369	CC, ES
Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)	12,643.0	12,852.5	297.1	134.8	1.831	SF
Ivey M-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	9,450.8	7,790.6	57.6	0.2	1.003	Level 2, CC, ES, SF
Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,000.0	999.0	96.2	91.9	22.541	CC, ES
Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	9,300.0	7,687.6	220.4	174.1	4.762	SF
Ivey N-11-12HN - Wellbore #1 - Plan #1 (7-02-13)	600.0	599.0	29.9	27.4	12.103	CC, ES
Ivey N-11-12HN - Wellbore #1 - Plan #1 (7-02-13)	12,643.0	12,650.4	330.0	62.5	1.234	Level 2, SF
Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	800.0	798.0	113.4	110.0	33.669	CC, ES
Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	9,617.8	7,715.7	219.1	165.5	4.088	SF
Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	400.0	399.0	45.0	43.4	28.625	CC, ES
Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	6,100.0	6,050.7	590.0	541.0	12.025	SF
Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	400.0	398.0	123.8	122.2	78.915	CC
Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	9,946.4	7,800.0	150.4	83.5	2.247	ES, SF
Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	200.0	199.0	59.8	59.1	88.992	CC, ES
Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	4,100.0	4,031.3	589.3	559.3	19.617	SF
Ivey P-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	200.0	198.0	135.3	134.6	201.995	CC, ES
Ivey P-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	10,276.3	7,816.3	216.8	145.6	3.045	SF

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-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	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	
0.0	0.0	0.0	0.0	0.0	0.0	-173.36	-479.4	-55.8	483.7				
100.0	100.0	67.5	67.5	0.1	1.4	-173.36	-479.4	-55.8	482.6	481.2	1.46	329.981	
200.0	200.0	167.5	167.5	0.3	3.4	-173.36	-479.4	-55.8	482.6	478.9	3.69	130.887	
300.0	300.0	267.5	267.5	0.6	5.4	-173.36	-479.4	-55.8	482.6	476.7	5.91	81.633	
400.0	400.0	367.5	367.5	0.8	7.4	-173.36	-479.4	-55.8	482.6	474.5	8.14	59.313	
500.0	500.0	467.5	467.5	1.0	9.4	-173.36	-479.4	-55.8	482.6	472.3	10.36	46.578	
600.0	600.0	567.5	567.5	1.2	11.4	-173.36	-479.4	-55.8	482.6	470.0	12.59	38.345	
700.0	700.0	667.5	667.5	1.5	13.4	-173.36	-479.4	-55.8	482.6	467.8	14.81	32.585	
800.0	800.0	767.5	767.5	1.7	15.4	-173.36	-479.4	-55.8	482.6	465.6	17.04	28.330	
900.0	900.0	867.5	867.5	1.9	17.4	-173.36	-479.4	-55.8	482.6	463.4	19.26	25.057	
1,000.0	1,000.0	967.5	967.5	2.1	19.4	-173.36	-479.4	-55.8	482.6	461.1	21.49	22.463	
1,100.0	1,100.0	1,067.5	1,067.5	2.3	21.3	-88.08	-479.4	-55.8	482.6	458.9	23.70	20.363	
1,200.0	1,199.8	1,167.3	1,167.3	2.6	23.3	-88.71	-479.4	-55.8	482.4	456.5	25.90	18.624	
1,300.0	1,299.5	1,267.0	1,267.0	2.8	25.3	-89.74	-479.4	-55.8	482.3	454.2	28.12	17.153	
1,320.4	1,319.7	1,287.2	1,287.2	2.8	25.7	-90.00	-479.4	-55.8	482.3	453.7	28.57	16.880 CC	
1,400.0	1,398.7	1,366.2	1,366.2	3.0	27.3	-91.17	-479.4	-55.8	482.4	452.1	30.35	15.897	
1,500.0	1,497.5	1,465.0	1,465.0	3.3	29.3	-93.00	-479.4	-55.8	483.0	450.4	32.59	14.818	
1,600.0	1,595.6	1,563.1	1,563.1	3.6	31.3	-95.18	-479.4	-55.8	484.4	449.5	34.87	13.891	
1,700.0	1,693.1	1,660.6	1,660.6	4.0	33.2	-97.69	-479.4	-55.8	486.9	449.7	37.17	13.100	
1,800.0	1,790.6	1,758.1	1,758.1	4.4	35.2	-100.24	-479.4	-55.8	490.5	451.0	39.49	12.422	
1,900.0	1,888.0	1,855.5	1,855.5	4.8	37.1	-102.75	-479.4	-55.8	495.1	453.3	41.81	11.841	
2,000.0	1,985.4	1,952.9	1,952.9	5.2	39.1	-105.21	-479.4	-55.8	500.7	456.6	44.14	11.343	
2,100.0	2,082.8	2,050.3	2,050.3	5.6	41.0	-107.61	-479.4	-55.8	507.3	460.8	46.47	10.915	
2,200.0	2,180.2	2,147.7	2,147.7	6.1	43.0	-109.96	-479.4	-55.8	514.7	465.9	48.80	10.548	
2,300.0	2,277.6	2,245.1	2,245.1	6.5	44.9	-112.23	-479.4	-55.8	523.0	471.9	51.11	10.233	
2,400.0	2,375.1	2,342.6	2,342.6	7.0	46.9	-114.43	-479.4	-55.8	532.2	478.8	53.41	9.963	
2,500.0	2,472.5	2,440.0	2,440.0	7.5	48.8	-116.56	-479.4	-55.8	542.1	486.4	55.71	9.731	
2,600.0	2,569.9	2,537.4	2,537.4	7.9	50.7	-118.62	-479.4	-55.8	552.8	494.8	57.99	9.532	
2,700.0	2,667.3	2,634.8	2,634.8	8.4	52.7	-120.59	-479.4	-55.8	564.2	503.9	60.26	9.362	
2,800.0	2,764.7	2,732.2	2,732.2	8.9	54.6	-122.49	-479.4	-55.8	576.2	513.7	62.52	9.216	
2,900.0	2,862.1	2,829.6	2,829.6	9.3	56.6	-124.31	-479.4	-55.8	588.9	524.1	64.77	9.092	
8,500.0	7,754.3	7,721.8	7,721.8	30.3	154.4	90.07	-479.4	-55.8	598.4	413.6	184.78	3.238	
8,600.0	7,753.9	7,721.4	7,721.4	31.8	154.4	90.03	-479.4	-55.8	574.7	388.4	186.24	3.086	
8,689.1	7,753.6	7,721.1	7,721.1	33.3	154.4	90.00	-479.4	-55.8	567.7	380.0	187.70	3.025	
8,700.0	7,753.6	7,721.1	7,721.1	33.5	154.4	90.00	-479.4	-55.8	567.8	380.0	187.88	3.022 ES, SF	
8,800.0	7,753.3	7,720.8	7,720.8	35.2	154.4	89.96	-479.4	-55.8	578.5	388.8	189.66	3.050	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.12-T1S-R68W - North York 13-12 (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8238-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
11,300.0	7,744.6	7,733.1	7,733.1	97.1	154.7	90.50	-122.2	3,066.1	547.8	296.1	251.73	2.176	
11,400.0	7,744.3	7,732.8	7,732.8	99.8	154.7	90.40	-122.2	3,066.1	456.2	201.7	254.43	1.793	
11,500.0	7,743.9	7,732.4	7,732.4	102.5	154.6	90.31	-122.2	3,066.1	369.0	111.8	257.13	1.435	Level 3
11,600.0	7,743.6	7,732.1	7,732.1	105.2	154.6	90.21	-122.2	3,066.1	290.1	30.3	259.84	1.116	Level 2
11,700.0	7,743.3	7,731.8	7,731.8	107.9	154.6	90.11	-122.2	3,066.1	228.4	-34.1	262.55	0.870	Level 1
11,800.0	7,742.9	7,731.4	7,731.4	110.6	154.6	90.01	-122.2	3,066.1	200.5	-64.7	265.26	0.756	Level 1
11,809.9	7,742.9	7,731.4	7,731.4	110.9	154.6	90.00	-122.2	3,066.1	200.3	-65.2	265.53	0.754	Level 1, CC, ES, SF
11,900.0	7,742.6	7,731.1	7,731.1	113.4	154.6	89.91	-122.2	3,066.1	219.7	-48.3	267.98	0.820	Level 1
12,000.0	7,742.2	7,730.7	7,730.7	116.1	154.6	89.81	-122.2	3,066.1	276.2	5.5	270.70	1.020	Level 2
12,100.0	7,741.9	7,730.4	7,730.4	118.8	154.6	89.71	-122.2	3,066.1	352.6	79.1	273.42	1.289	Level 3
12,200.0	7,741.5	7,730.0	7,730.0	121.6	154.6	89.62	-122.2	3,066.1	438.6	162.4	276.15	1.588	
12,300.0	7,741.2	7,729.7	7,729.7	124.3	154.6	89.52	-122.2	3,066.1	529.5	250.6	278.87	1.899	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.12-T1S-R68W - North York 14-12 (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8150-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
11,300.0	7,744.6	7,633.1	7,633.1	97.1	152.7	91.02	-20.9	3,066.1	519.0	269.3	249.71	2.079	
11,400.0	7,744.3	7,632.8	7,632.8	99.8	152.7	90.82	-20.9	3,066.1	421.3	168.9	252.42	1.669	
11,500.0	7,743.9	7,632.4	7,632.4	102.5	152.6	90.62	-20.9	3,066.1	325.0	69.8	255.12	1.274	Level 3
11,600.0	7,743.6	7,632.1	7,632.1	105.2	152.6	90.42	-20.9	3,066.1	231.7	-26.1	257.84	0.899	Level 1
11,700.0	7,743.3	7,631.8	7,631.8	107.9	152.6	90.22	-20.9	3,066.1	147.6	-112.9	260.55	0.567	Level 1
11,800.0	7,742.9	7,631.4	7,631.4	110.6	152.6	90.02	-20.9	3,066.1	99.5	-163.8	263.26	0.378	Level 1
11,809.5	7,742.9	7,631.4	7,631.4	110.9	152.6	90.00	-20.9	3,066.1	99.0	-164.5	263.52	0.376	Level 1, CC, ES, SF
11,900.0	7,742.6	7,631.1	7,631.1	113.4	152.6	89.82	-20.9	3,066.1	134.1	-131.8	265.98	0.504	Level 1
12,000.0	7,742.2	7,630.7	7,630.7	116.1	152.6	89.62	-20.9	3,066.1	214.7	-54.0	268.69	0.799	Level 1
12,100.0	7,741.9	7,630.4	7,630.4	118.8	152.6	89.42	-20.9	3,066.1	306.9	35.5	271.41	1.131	Level 2
12,200.0	7,741.5	7,630.0	7,630.0	121.6	152.6	89.22	-20.9	3,066.1	402.8	128.7	274.12	1.470	Level 3
12,300.0	7,741.2	7,629.7	7,629.7	124.3	152.6	89.02	-20.9	3,066.1	500.4	223.5	276.84	1.807	
12,400.0	7,740.8	7,629.3	7,629.3	127.0	152.6	88.82	-20.9	3,066.1	598.7	319.2	279.55	2.142	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)													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		
0.0	0.0	0.0	0.0	0.0	0.0	19.54	14.2	5.0	15.1	15.1	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	19.54	14.2	5.0	15.1	14.9	0.22	67.111		
200.0	200.0	200.0	200.0	0.3	0.3	19.54	14.2	5.0	15.1	14.4	0.67	22.370		
300.0	300.0	300.0	300.0	0.6	0.6	19.54	14.2	5.0	15.1	14.0	1.12	13.422		
400.0	400.0	400.0	400.0	0.8	0.8	19.54	14.2	5.0	15.1	13.5	1.57	9.587		
500.0	500.0	500.0	500.0	1.0	1.0	19.54	14.2	5.0	15.1	13.1	2.02	7.457		
600.0	600.0	600.0	600.0	1.2	1.2	19.54	14.2	5.0	15.1	12.6	2.47	6.101		
700.0	700.0	700.0	700.0	1.5	1.5	19.54	14.2	5.0	15.1	12.2	2.92	5.162		
800.0	800.0	800.0	800.0	1.7	1.7	19.54	14.2	5.0	15.1	11.7	3.37	4.474		
900.0	900.0	900.0	900.0	1.9	1.9	19.54	14.2	5.0	15.1	11.3	3.82	3.948		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	19.54	14.2	5.0	15.1	10.8	4.27	3.532 CC, ES		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.4	111.21	14.2	5.0	15.6	10.9	4.71	3.319		
1,200.0	1,199.8	1,199.8	1,199.8	2.6	2.6	126.71	14.2	5.0	18.2	13.1	5.14	3.541		
1,300.0	1,299.5	1,300.1	1,300.0	2.8	2.8	140.51	14.5	3.3	23.1	17.6	5.55	4.167		
1,400.0	1,398.7	1,400.5	1,400.4	3.0	3.0	148.73	15.2	-1.9	29.1	23.1	5.96	4.877		
1,500.0	1,497.5	1,501.2	1,500.7	3.3	3.2	153.73	16.5	-10.6	35.5	29.1	6.36	5.571		
1,600.0	1,595.6	1,602.2	1,600.9	3.6	3.5	156.87	18.4	-22.8	42.1	35.3	6.78	6.212		
1,700.0	1,693.1	1,703.4	1,700.8	4.0	3.7	158.71	20.7	-38.6	48.6	41.4	7.23	6.723		
1,800.0	1,790.6	1,805.0	1,800.5	4.4	4.1	158.75	23.6	-57.9	52.3	44.6	7.72	6.777		
1,900.0	1,888.0	1,905.1	1,898.3	4.8	4.4	157.87	26.7	-78.9	54.2	46.0	8.24	6.580		
2,000.0	1,985.4	2,005.0	1,996.0	5.2	4.8	157.06	29.8	-99.8	56.1	47.4	8.78	6.392		
2,100.0	2,082.8	2,105.0	2,093.7	5.6	5.1	156.30	32.9	-120.8	58.1	48.7	9.34	6.215		
2,200.0	2,180.2	2,205.0	2,191.4	6.1	5.5	155.58	36.1	-141.8	60.0	50.1	9.92	6.048		
2,300.0	2,277.6	2,305.0	2,289.1	6.5	5.9	154.91	39.2	-162.7	62.0	51.4	10.52	5.892		
2,400.0	2,375.1	2,405.0	2,386.8	7.0	6.4	154.29	42.3	-183.7	63.9	52.8	11.12	5.746		
2,500.0	2,472.5	2,504.9	2,484.5	7.5	6.8	153.70	45.4	-204.7	65.9	54.1	11.74	5.610		
2,600.0	2,569.9	2,604.9	2,582.2	7.9	7.2	153.14	48.5	-225.6	67.9	55.5	12.38	5.483		
2,700.0	2,667.3	2,704.9	2,680.0	8.4	7.6	152.62	51.7	-246.6	69.8	56.8	13.02	5.365		
2,800.0	2,764.7	2,804.9	2,777.7	8.9	8.1	152.12	54.8	-267.6	71.8	58.1	13.67	5.254		
2,900.0	2,862.1	2,904.9	2,875.4	9.3	8.5	151.65	57.9	-288.5	73.8	59.5	14.33	5.151		
3,000.0	2,959.5	3,004.8	2,973.1	9.8	9.0	151.21	61.0	-309.5	75.8	60.8	14.99	5.055		
3,100.0	3,057.0	3,104.8	3,070.8	10.3	9.4	150.79	64.1	-330.5	77.8	62.1	15.67	4.965		
3,200.0	3,154.4	3,204.8	3,168.5	10.8	9.8	150.39	67.3	-351.4	79.8	63.4	16.35	4.880		
3,300.0	3,251.8	3,304.8	3,266.2	11.3	10.3	150.01	70.4	-372.4	81.8	64.8	17.04	4.801		
3,400.0	3,349.2	3,404.7	3,363.9	11.7	10.7	149.64	73.5	-393.4	83.8	66.1	17.73	4.727		
3,500.0	3,446.6	3,504.7	3,461.6	12.2	11.2	149.30	76.6	-414.3	85.8	67.4	18.43	4.657		
3,600.0	3,544.0	3,604.7	3,559.3	12.7	11.7	148.97	79.7	-435.3	87.8	68.7	19.13	4.592		
3,700.0	3,641.4	3,704.7	3,657.0	13.2	12.1	148.66	82.9	-456.3	89.8	70.0	19.83	4.530		
3,800.0	3,738.9	3,804.7	3,754.7	13.7	12.6	148.35	86.0	-477.2	91.9	71.3	20.55	4.471		
3,900.0	3,836.3	3,904.6	3,852.4	14.2	13.0	148.07	89.1	-498.2	93.9	72.6	21.26	4.416		
4,000.0	3,933.7	4,004.6	3,950.1	14.7	13.5	147.79	92.2	-519.1	95.9	73.9	21.98	4.364		
4,100.0	4,031.1	4,104.6	4,047.8	15.1	13.9	147.53	95.3	-540.1	97.9	75.2	22.70	4.315		
4,200.0	4,128.5	4,204.6	4,145.5	15.6	14.4	147.27	98.5	-561.1	100.0	76.5	23.42	4.268		
4,300.0	4,225.9	4,304.6	4,243.2	16.1	14.9	147.03	101.6	-582.0	102.0	77.8	24.15	4.224		
4,400.0	4,323.4	4,404.5	4,341.0	16.6	15.3	146.79	104.7	-603.0	104.0	79.2	24.88	4.182		
4,500.0	4,420.8	4,504.5	4,438.7	17.1	15.8	146.57	107.8	-624.0	106.1	80.5	25.61	4.141		
4,600.0	4,518.2	4,604.5	4,536.4	17.6	16.2	146.35	111.0	-644.9	108.1	81.8	26.34	4.103		
4,700.0	4,615.6	4,704.5	4,634.1	18.1	16.7	146.14	114.1	-665.9	110.1	83.1	27.08	4.067		
4,800.0	4,713.0	4,804.4	4,731.8	18.6	17.2	145.94	117.2	-686.9	112.2	84.4	27.82	4.032		
4,900.0	4,810.4	4,904.4	4,829.5	19.1	17.6	145.75	120.3	-707.8	114.2	85.7	28.56	3.999		
5,000.0	4,907.8	5,004.4	4,927.2	19.6	18.1	145.56	123.4	-728.8	116.3	87.0	29.30	3.968		
5,100.0	5,005.3	5,104.4	5,024.9	20.0	18.5	145.38	126.6	-749.8	118.3	88.2	30.04	3.937		

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-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)												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	5,102.7	5,204.4	5,122.6	20.5	19.0	145.21	129.7	-770.7	120.3	89.5	30.79	3.908	
5,300.0	5,200.1	5,304.3	5,220.3	21.0	19.5	145.04	132.8	-791.7	122.4	90.8	31.54	3.881	
5,400.0	5,297.5	5,404.3	5,318.0	21.5	19.9	144.87	135.9	-812.7	124.4	92.1	32.28	3.854	
5,500.0	5,394.9	5,504.3	5,415.7	22.0	20.4	144.72	139.0	-833.6	126.5	93.4	33.03	3.829	
5,600.0	5,492.3	5,604.3	5,513.4	22.5	20.9	144.56	142.2	-854.6	128.5	94.7	33.78	3.804	
5,700.0	5,589.8	5,704.3	5,611.1	23.0	21.3	144.42	145.3	-875.6	130.6	96.0	34.54	3.781	
5,800.0	5,687.2	5,804.2	5,708.8	23.5	21.8	144.27	148.4	-896.5	132.6	97.3	35.29	3.758	
5,900.0	5,784.6	5,904.2	5,806.5	24.0	22.3	144.13	151.5	-917.5	134.7	98.6	36.04	3.736	
6,000.0	5,882.0	6,004.2	5,904.2	24.5	22.7	144.00	154.6	-938.4	136.7	99.9	36.80	3.715	
6,100.0	5,979.4	6,104.2	6,002.0	25.0	23.2	143.87	157.8	-959.4	138.8	101.2	37.55	3.695	
6,200.0	6,076.9	6,204.1	6,099.7	25.4	23.7	143.72	160.9	-980.4	140.7	102.4	38.32	3.673	
6,300.0	6,174.8	6,304.1	6,197.4	25.8	24.1	142.97	164.0	-1,001.3	140.7	101.5	39.21	3.588	
6,400.0	6,273.4	6,404.0	6,295.0	26.1	24.6	141.29	167.1	-1,022.3	137.9	97.6	40.38	3.416	
6,500.0	6,372.5	6,503.7	6,392.4	26.3	25.1	138.55	170.2	-1,043.2	132.7	90.8	41.87	3.168	
6,600.0	6,472.1	6,600.0	6,486.8	26.5	25.4	135.14	173.0	-1,061.8	126.3	82.8	43.49	2.905	
6,700.0	6,571.9	6,697.0	6,582.6	26.7	25.7	131.41	175.3	-1,077.4	120.2	75.1	45.11	2.666	
6,800.0	6,671.8	6,794.2	6,678.9	26.8	25.9	127.32	177.2	-1,089.8	114.5	67.8	46.72	2.450	
6,900.0	6,771.8	6,891.8	6,776.0	26.9	26.2	37.80	178.5	-1,099.0	109.6	69.6	40.00	2.739	
7,000.0	6,871.8	6,989.8	6,873.9	27.1	26.3	34.99	179.4	-1,104.9	106.7	67.3	39.39	2.709	
7,100.0	6,971.8	7,088.2	6,972.3	27.2	26.5	33.71	179.8	-1,107.5	105.5	66.3	39.28	2.687	
7,200.0	7,071.8	7,187.8	7,071.8	27.3	26.6	-56.86	179.8	-1,107.7	105.1	55.0	50.16	2.096	
7,300.0	7,171.1	7,282.7	7,166.7	27.3	26.7	-62.48	180.7	-1,107.7	100.3	48.9	51.44	1.950	
7,342.0	7,212.2	7,319.0	7,203.0	27.2	26.7	-67.17	183.4	-1,107.6	99.4	47.1	52.31	1.900 SF	
7,400.0	7,267.9	7,367.7	7,251.2	27.1	26.8	-75.44	189.9	-1,107.6	101.8	48.4	53.42	1.905	
7,500.0	7,360.2	7,445.8	7,327.3	26.9	26.9	-90.24	207.2	-1,107.6	121.2	67.5	53.66	2.258	
7,600.0	7,446.2	7,514.5	7,392.3	26.6	27.1	-100.40	229.2	-1,107.5	162.4	110.0	52.31	3.104	
7,700.0	7,524.3	7,572.7	7,445.6	26.4	27.2	-104.79	252.6	-1,107.4	221.3	170.1	51.19	4.323	
7,800.0	7,593.0	7,620.3	7,487.6	26.2	27.3	-104.44	275.0	-1,107.3	292.7	241.6	51.10	5.729	
7,900.0	7,650.8	7,657.8	7,519.6	26.1	27.4	-100.02	294.5	-1,107.3	372.8	320.8	52.02	7.167	
8,000.0	7,696.7	7,685.8	7,542.9	26.2	27.5	-91.67	310.2	-1,107.2	458.7	405.4	53.25	8.614	
8,100.0	7,729.7	7,700.0	7,554.4	26.6	27.5	-78.54	318.5	-1,107.2	548.1	494.9	53.14	10.313	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey I-11-2HC - Wellbore #1 - Plan #1 (9-4-14)													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	20.04	42.3	15.4	45.0					
100.0	100.0	100.0	100.0	0.1	0.1	20.04	42.3	15.4	45.0	44.8	0.22	200.140		
200.0	200.0	200.0	200.0	0.3	0.3	20.04	42.3	15.4	45.0	44.3	0.67	66.713		
300.0	300.0	300.0	300.0	0.6	0.6	20.04	42.3	15.4	45.0	43.9	1.12	40.028		
400.0	400.0	400.0	400.0	0.8	0.8	20.04	42.3	15.4	45.0	43.4	1.57	28.591		
500.0	500.0	500.0	500.0	1.0	1.0	20.04	42.3	15.4	45.0	43.0	2.02	22.238		
600.0	600.0	600.0	600.0	1.2	1.2	20.04	42.3	15.4	45.0	42.5	2.47	18.195		
700.0	700.0	700.0	700.0	1.5	1.5	20.04	42.3	15.4	45.0	42.1	2.92	15.395		
800.0	800.0	800.0	800.0	1.7	1.7	20.04	42.3	15.4	45.0	41.6	3.37	13.343		
900.0	900.0	900.0	900.0	1.9	1.9	20.04	42.3	15.4	45.0	41.2	3.82	11.773		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	20.04	42.3	15.4	45.0	40.7	4.27	10.534 CC		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.4	107.64	42.3	15.4	45.5	40.8	4.71	9.661		
1,200.0	1,199.8	1,199.8	1,199.8	2.6	2.6	113.64	42.3	15.4	47.3	42.2	5.14	9.211		
1,300.0	1,299.5	1,299.5	1,299.5	2.8	2.8	122.47	42.3	15.4	51.5	45.9	5.58	9.230		
1,400.0	1,398.7	1,398.7	1,398.7	3.0	3.0	132.37	42.3	15.4	58.9	52.9	6.01	9.801		
1,500.0	1,497.5	1,497.5	1,497.5	3.3	3.3	141.62	42.3	15.4	70.5	64.0	6.44	10.936		
1,600.0	1,595.6	1,595.6	1,595.6	3.6	3.5	149.31	42.3	15.4	86.3	79.5	6.87	12.571		
1,700.0	1,693.1	1,696.6	1,696.6	4.0	3.7	155.27	42.1	13.8	104.5	97.2	7.28	14.349		
1,800.0	1,790.6	1,798.9	1,798.8	4.4	3.9	159.31	41.6	8.5	120.5	112.8	7.71	15.631		
1,900.0	1,888.0	1,902.5	1,901.9	4.8	4.1	162.20	40.7	-0.5	133.3	125.2	8.14	16.372		
2,000.0	1,985.4	2,006.9	2,005.5	5.2	4.4	164.44	39.4	-13.3	142.8	134.2	8.59	16.625		
2,100.0	2,082.8	2,109.0	2,106.4	5.6	4.6	166.27	37.8	-28.9	149.4	140.4	9.04	16.520		
2,200.0	2,180.2	2,208.7	2,204.8	6.1	4.9	167.90	36.2	-44.6	155.8	146.3	9.50	16.393		
2,300.0	2,277.6	2,308.4	2,303.3	6.5	5.2	169.40	34.6	-60.3	162.2	152.3	9.97	16.281		
2,400.0	2,375.1	2,408.1	2,401.7	7.0	5.5	170.78	33.1	-76.0	168.8	158.4	10.43	16.181		
2,500.0	2,472.5	2,507.8	2,500.2	7.5	5.8	172.06	31.5	-91.7	175.5	164.6	10.91	16.090		
2,600.0	2,569.9	2,607.5	2,598.6	7.9	6.1	173.25	29.9	-107.3	182.2	170.8	11.38	16.006		
2,700.0	2,667.3	2,707.2	2,697.1	8.4	6.4	174.35	28.3	-123.0	189.0	177.2	11.87	15.928		
2,800.0	2,764.7	2,806.9	2,795.5	8.9	6.7	175.37	26.8	-138.7	195.9	183.5	12.36	15.854		
2,900.0	2,862.1	2,906.6	2,894.0	9.3	7.0	176.33	25.2	-154.4	202.8	190.0	12.85	15.784		
3,000.0	2,959.5	3,006.3	2,992.4	9.8	7.4	177.22	23.6	-170.1	209.8	196.5	13.35	15.718		
3,100.0	3,057.0	3,106.0	3,090.9	10.3	7.7	178.05	22.0	-185.7	216.9	203.0	13.85	15.654		
3,200.0	3,154.4	3,205.7	3,189.3	10.8	8.1	178.84	20.4	-201.4	223.9	209.6	14.36	15.592		
3,300.0	3,251.8	3,305.4	3,287.8	11.3	8.4	179.57	18.9	-217.1	231.1	216.2	14.88	15.532		
3,400.0	3,349.2	3,405.1	3,386.2	11.7	8.8	-179.74	17.3	-232.8	238.2	222.8	15.39	15.475		
3,500.0	3,446.6	3,504.8	3,484.7	12.2	9.1	-179.09	15.7	-248.5	245.4	229.5	15.92	15.419		
3,600.0	3,544.0	3,604.5	3,583.1	12.7	9.5	-178.48	14.1	-264.1	252.6	236.2	16.44	15.364		
3,700.0	3,641.4	3,704.2	3,681.6	13.2	9.8	-177.90	12.6	-279.8	259.8	242.9	16.97	15.311		
3,800.0	3,738.9	3,803.9	3,780.0	13.7	10.2	-177.35	11.0	-295.5	267.1	249.6	17.50	15.260		
3,900.0	3,836.3	3,903.6	3,878.5	14.2	10.5	-176.84	9.4	-311.2	274.4	256.4	18.04	15.210		
4,000.0	3,933.7	4,003.3	3,976.9	14.7	10.9	-176.35	7.8	-326.9	281.7	263.1	18.58	15.161		
4,100.0	4,031.1	4,103.0	4,075.4	15.1	11.3	-175.88	6.2	-342.5	289.0	269.9	19.12	15.114		
4,200.0	4,128.5	4,202.8	4,173.8	15.6	11.6	-175.44	4.7	-358.2	296.4	276.7	19.67	15.067		
4,300.0	4,225.9	4,302.5	4,272.3	16.1	12.0	-175.01	3.1	-373.9	303.8	283.5	20.22	15.023		
4,400.0	4,323.4	4,402.2	4,370.7	16.6	12.3	-174.61	1.5	-389.6	311.1	290.4	20.77	14.979		
4,500.0	4,420.8	4,501.9	4,469.2	17.1	12.7	-174.23	-0.1	-405.3	318.5	297.2	21.33	14.936		
4,600.0	4,518.2	4,601.6	4,567.6	17.6	13.1	-173.86	-1.6	-420.9	325.9	304.1	21.88	14.895		
4,700.0	4,615.6	4,701.3	4,666.1	18.1	13.4	-173.52	-3.2	-436.6	333.4	310.9	22.44	14.855		
4,800.0	4,713.0	4,801.0	4,764.5	18.6	13.8	-173.18	-4.8	-452.3	340.8	317.8	23.00	14.816		
4,900.0	4,810.4	4,900.7	4,863.0	19.1	14.2	-172.86	-6.4	-468.0	348.2	324.7	23.57	14.777		
5,000.0	4,907.8	5,000.4	4,961.4	19.6	14.5	-172.55	-7.9	-483.7	355.7	331.6	24.13	14.740		
5,100.0	5,005.3	5,100.1	5,059.9	20.0	14.9	-172.26	-9.5	-499.3	363.2	338.5	24.70	14.704		

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-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey I-11-2HC - Wellbore #1 - Plan #1 (9-4-14)												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	5,102.7	5,199.8	5,158.4	20.5	15.3	-171.98	-11.1	-515.0	370.6	345.4	25.27	14.669	
5,300.0	5,200.1	5,299.5	5,256.8	21.0	15.6	-171.71	-12.7	-530.7	378.1	352.3	25.84	14.635	
5,400.0	5,297.5	5,399.2	5,355.3	21.5	16.0	-171.45	-14.3	-546.4	385.6	359.2	26.41	14.602	
5,500.0	5,394.9	5,498.9	5,453.7	22.0	16.4	-171.20	-15.8	-562.1	393.1	366.1	26.98	14.570	
5,600.0	5,492.3	5,598.0	5,551.6	22.5	16.7	-170.96	-17.4	-577.6	400.6	373.1	27.55	14.540	
5,700.0	5,589.8	5,685.9	5,638.5	23.0	17.0	-170.82	-18.6	-590.0	409.7	381.7	28.04	14.614	
5,800.0	5,687.2	5,773.2	5,725.3	23.5	17.2	-170.81	-19.6	-599.7	421.7	393.2	28.49	14.799	
5,900.0	5,784.6	5,859.8	5,811.7	24.0	17.4	-170.92	-20.3	-606.6	436.5	407.6	28.93	15.089	
6,000.0	5,882.0	5,945.7	5,897.4	24.5	17.5	-171.13	-20.8	-611.0	454.1	424.8	29.34	15.477	
6,100.0	5,979.4	6,030.5	5,982.2	25.0	17.6	-171.42	-20.9	-612.7	474.5	444.8	29.74	15.957	
6,200.0	6,076.9	6,125.2	6,076.9	25.4	17.8	-171.81	-20.9	-612.8	496.7	466.6	30.15	16.473	
6,300.0	6,174.8	6,223.1	6,174.8	25.8	17.9	-172.19	-20.9	-612.8	516.6	486.0	30.56	16.905	
6,400.0	6,273.4	6,321.7	6,273.4	26.1	18.1	-172.47	-20.9	-612.8	533.0	502.1	30.94	17.230	
6,500.0	6,372.5	6,420.8	6,372.5	26.3	18.3	-172.69	-20.9	-612.8	546.1	514.8	31.29	17.455	
6,600.0	6,472.1	6,520.4	6,472.1	26.5	18.4	-172.84	-20.9	-612.8	555.7	524.1	31.60	17.584	
6,700.0	6,571.9	6,620.2	6,571.9	26.7	18.6	-172.93	-20.9	-612.8	561.9	530.0	31.89	17.621	
6,800.0	6,671.8	6,720.1	6,671.8	26.8	18.8	-172.97	-20.9	-612.8	564.6	532.5	32.14	17.569	
6,900.0	6,771.8	6,820.1	6,771.8	26.9	18.9	101.54	-20.9	-612.8	564.7	519.4	45.36	12.448	
7,000.0	6,871.8	6,920.1	6,871.8	27.1	19.1	101.54	-20.9	-612.8	564.7	519.1	45.66	12.369	
7,100.0	6,971.8	7,020.1	6,971.8	27.2	19.3	101.54	-20.9	-612.8	564.7	518.8	45.95	12.290	
7,200.0	7,071.8	7,120.1	7,071.8	27.3	19.4	11.37	-20.9	-612.8	564.1	530.7	33.42	16.881	
7,300.0	7,171.1	7,219.4	7,171.1	27.3	19.6	11.78	-20.9	-612.8	553.1	520.2	32.91	16.806	
7,400.0	7,267.9	7,316.2	7,267.9	27.1	19.8	12.77	-20.9	-612.8	528.6	496.6	32.01	16.517	
7,500.0	7,360.2	7,424.1	7,375.4	26.9	19.9	13.79	-13.3	-612.8	489.9	459.1	30.73	15.943	
7,600.0	7,446.2	7,521.2	7,470.2	26.6	20.1	13.74	7.3	-612.7	436.4	407.5	28.91	15.096	
7,700.0	7,524.3	7,603.3	7,547.6	26.4	20.2	12.36	34.6	-612.6	370.4	343.8	26.58	13.935	
7,800.0	7,593.0	7,669.5	7,607.4	26.2	20.3	8.83	63.0	-612.5	294.5	270.7	23.77	12.389	
7,900.0	7,650.8	7,720.7	7,651.7	26.1	20.4	0.78	88.7	-612.4	211.4	190.4	21.06	10.041	
8,000.0	7,696.7	7,758.4	7,683.1	26.2	20.4	-17.59	109.5	-612.4	124.9	101.1	23.80	5.249	
8,100.0	7,729.7	7,783.9	7,703.7	26.6	20.5	-46.50	124.6	-612.3	51.7	14.7	36.94	1.399 Level 3	
8,122.3	7,735.3	7,788.0	7,706.9	26.7	20.5	-51.71	127.1	-612.3	47.0	7.8	39.21	1.199 Level 2, ES, SF	
8,200.0	7,749.3	7,800.0	7,716.4	27.2	20.5	-61.73	134.5	-612.3	88.8	45.6	43.22	2.055	
8,300.0	7,755.0	7,802.5	7,718.3	28.0	20.5	-50.90	136.0	-612.3	179.3	139.2	40.01	4.480	
8,400.0	7,754.6	7,802.2	7,718.1	29.1	20.5	-50.66	135.8	-612.3	275.6	234.9	40.77	6.761	
8,500.0	7,754.3	7,802.0	7,717.9	30.3	20.5	-50.42	135.7	-612.3	373.9	332.2	41.69	8.969	
8,600.0	7,753.9	7,800.0	7,716.4	31.8	20.5	-48.52	134.5	-612.3	473.0	431.0	41.99	11.264	
8,700.0	7,753.6	7,800.0	7,716.4	33.5	20.5	-48.52	134.5	-612.3	572.3	529.0	43.26	13.229	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)													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		
0.0	0.0	0.0	0.0	0.0	0.0	20.04	28.4	10.4	30.3					
100.0	100.0	100.0	100.0	0.1	0.1	20.04	28.4	10.4	30.3	30.0	0.22	134.608		
200.0	200.0	200.0	200.0	0.3	0.3	20.04	28.4	10.4	30.3	29.6	0.67	44.869		
300.0	300.0	300.0	300.0	0.6	0.6	20.04	28.4	10.4	30.3	29.1	1.12	26.922		
400.0	400.0	400.0	400.0	0.8	0.8	20.04	28.4	10.4	30.3	28.7	1.57	19.230		
500.0	500.0	500.0	500.0	1.0	1.0	20.04	28.4	10.4	30.3	28.2	2.02	14.956		
600.0	600.0	600.0	600.0	1.2	1.2	20.04	28.4	10.4	30.3	27.8	2.47	12.237		
700.0	700.0	700.0	700.0	1.5	1.5	20.04	28.4	10.4	30.3	27.3	2.92	10.354		
800.0	800.0	800.0	800.0	1.7	1.7	20.04	28.4	10.4	30.3	26.9	3.37	8.974		
900.0	900.0	900.0	900.0	1.9	1.9	20.04	28.4	10.4	30.3	26.4	3.82	7.918		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	20.04	28.4	10.4	30.3	26.0	4.27	7.085 CC, ES		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.4	108.66	28.4	10.4	30.8	26.1	4.71	6.535		
1,200.0	1,199.8	1,199.8	1,199.8	2.6	2.6	117.30	28.4	10.4	32.8	27.7	5.14	6.388		
1,300.0	1,299.5	1,299.5	1,299.5	2.8	2.8	129.07	28.4	10.4	37.6	32.1	5.57	6.754		
1,400.0	1,398.7	1,398.7	1,398.7	3.0	3.0	140.71	28.4	10.4	46.3	40.3	6.00	7.718		
1,500.0	1,497.5	1,499.3	1,499.3	3.3	3.2	149.71	28.3	8.7	57.7	51.3	6.41	9.005		
1,600.0	1,595.6	1,600.5	1,600.3	3.6	3.4	156.03	28.0	3.4	69.9	63.1	6.80	10.275		
1,700.0	1,693.1	1,702.2	1,701.6	4.0	3.7	160.73	27.4	-5.5	82.1	74.9	7.21	11.386		
1,800.0	1,790.6	1,804.7	1,803.3	4.4	3.9	164.02	26.6	-18.1	91.6	84.0	7.64	11.983		
1,900.0	1,888.0	1,907.8	1,905.1	4.8	4.2	166.49	25.6	-34.4	97.8	89.7	8.10	12.083		
2,000.0	1,985.4	2,009.2	2,004.7	5.2	4.5	168.51	24.4	-53.5	101.2	92.6	8.55	11.827		
2,100.0	2,082.8	2,109.1	2,102.8	5.6	4.8	170.36	23.2	-72.6	104.3	95.3	9.02	11.566		
2,200.0	2,180.2	2,209.0	2,200.8	6.1	5.1	172.11	22.0	-91.7	107.6	98.1	9.49	11.335		
2,300.0	2,277.6	2,308.9	2,298.9	6.5	5.5	173.75	20.8	-110.8	110.9	100.9	9.97	11.124		
2,400.0	2,375.1	2,408.8	2,396.9	7.0	5.8	175.29	19.7	-129.9	114.3	103.9	10.46	10.934		
2,500.0	2,472.5	2,508.7	2,495.0	7.5	6.2	176.75	18.5	-149.0	117.8	106.9	10.95	10.760		
2,600.0	2,569.9	2,608.6	2,593.0	7.9	6.6	178.12	17.3	-168.1	121.4	109.9	11.45	10.599		
2,700.0	2,667.3	2,708.5	2,691.1	8.4	7.0	179.41	16.1	-187.2	125.0	113.1	11.97	10.449		
2,800.0	2,764.7	2,808.4	2,789.1	8.9	7.3	-179.38	14.9	-206.3	128.7	116.2	12.49	10.309		
2,900.0	2,862.1	2,908.3	2,887.1	9.3	7.7	-178.23	13.7	-225.4	132.5	119.5	13.02	10.178		
3,000.0	2,959.5	3,008.2	2,985.2	9.8	8.1	-177.14	12.5	-244.5	136.3	122.7	13.56	10.054		
3,100.0	3,057.0	3,108.1	3,083.2	10.3	8.5	-176.12	11.3	-263.6	140.1	126.0	14.10	9.936		
3,200.0	3,154.4	3,208.0	3,181.3	10.8	8.9	-175.15	10.1	-282.7	144.0	129.4	14.66	9.825		
3,300.0	3,251.8	3,307.8	3,279.3	11.3	9.4	-174.23	8.9	-301.8	147.9	132.7	15.22	9.719		
3,400.0	3,349.2	3,407.7	3,377.4	11.7	9.8	-173.36	7.7	-320.9	151.9	136.1	15.80	9.618		
3,500.0	3,446.6	3,507.6	3,475.4	12.2	10.2	-172.53	6.5	-340.0	155.9	139.5	16.38	9.521		
3,600.0	3,544.0	3,607.5	3,573.5	12.7	10.6	-171.75	5.3	-359.1	159.9	143.0	16.96	9.429		
3,700.0	3,641.4	3,707.4	3,671.5	13.2	11.0	-171.00	4.1	-378.2	164.0	146.4	17.56	9.341		
3,800.0	3,738.9	3,807.3	3,769.5	13.7	11.4	-170.29	2.9	-397.3	168.1	149.9	18.16	9.257		
3,900.0	3,836.3	3,907.2	3,867.6	14.2	11.8	-169.61	1.7	-416.4	172.2	153.4	18.77	9.176		
4,000.0	3,933.7	4,007.1	3,965.6	14.7	12.3	-168.97	0.5	-435.5	176.3	156.9	19.38	9.099		
4,100.0	4,031.1	4,107.0	4,063.7	15.1	12.7	-168.35	-0.7	-454.6	180.5	160.5	20.00	9.025		
4,200.0	4,128.5	4,206.9	4,161.7	15.6	13.1	-167.76	-1.9	-473.7	184.7	164.0	20.62	8.954		
4,300.0	4,225.9	4,306.8	4,259.8	16.1	13.5	-167.20	-3.0	-492.8	188.8	167.6	21.25	8.886		
4,400.0	4,323.4	4,406.7	4,357.8	16.6	13.9	-166.66	-4.2	-511.9	193.1	171.2	21.89	8.821		
4,500.0	4,420.8	4,506.6	4,455.9	17.1	14.4	-166.15	-5.4	-531.0	197.3	174.8	22.53	8.758		
4,600.0	4,518.2	4,606.5	4,553.9	17.6	14.8	-165.66	-6.6	-550.1	201.5	178.3	23.17	8.698		
4,700.0	4,615.6	4,706.4	4,652.0	18.1	15.2	-165.18	-7.8	-569.2	205.8	182.0	23.82	8.640		
4,800.0	4,713.0	4,806.3	4,750.0	18.6	15.6	-164.73	-9.0	-588.3	210.0	185.6	24.47	8.585		
4,900.0	4,810.4	4,906.2	4,848.0	19.1	16.1	-164.30	-10.2	-607.4	214.3	189.2	25.12	8.531		
5,000.0	4,907.8	5,006.1	4,946.1	19.6	16.5	-163.88	-11.4	-626.5	218.6	192.8	25.78	8.480		
5,100.0	5,005.3	5,106.0	5,044.1	20.0	16.9	-163.48	-12.6	-645.6	222.9	196.5	26.44	8.431		

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-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design		Ivey Pad Sec.11-T1S-R68W - Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)											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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
5,200.0	5,102.7	5,205.9	5,142.2	20.5	17.3	-163.09	-13.8	-664.7	227.2	200.1	27.11	8.383		
5,300.0	5,200.1	5,305.8	5,240.2	21.0	17.8	-162.72	-15.0	-683.8	231.6	203.8	27.77	8.338		
5,400.0	5,297.5	5,405.6	5,338.3	21.5	18.2	-162.36	-16.2	-702.9	235.9	207.4	28.44	8.294		
5,500.0	5,394.9	5,505.5	5,436.3	22.0	18.6	-162.01	-17.4	-722.0	240.2	211.1	29.11	8.251		
5,600.0	5,492.3	5,600.0	5,529.2	22.5	19.0	-161.81	-18.4	-739.0	245.6	215.9	29.71	8.266		
5,700.0	5,589.8	5,691.8	5,620.0	23.0	19.2	-161.92	-19.3	-752.6	253.9	223.7	30.20	8.408		
5,800.0	5,687.2	5,783.7	5,711.3	23.5	19.4	-162.30	-20.0	-763.3	265.0	234.4	30.61	8.660		
5,900.0	5,784.6	5,874.8	5,802.1	24.0	19.6	-162.91	-20.4	-771.0	279.1	248.1	30.95	9.016		
6,000.0	5,882.0	5,965.1	5,892.2	24.5	19.8	-163.69	-20.8	-775.8	296.0	264.7	31.25	9.471		
6,100.0	5,979.4	6,054.2	5,981.3	25.0	19.9	-164.59	-20.9	-777.8	315.8	284.2	31.51	10.020		
6,200.0	6,076.9	6,149.8	6,076.9	25.4	20.0	-165.61	-20.9	-777.8	337.5	305.7	31.78	10.620		
6,300.0	6,174.8	6,247.7	6,174.8	25.8	20.2	-166.50	-20.9	-777.8	356.9	324.9	32.04	11.142		
6,400.0	6,273.4	6,346.3	6,273.4	26.1	20.3	-167.17	-20.9	-777.8	373.1	340.8	32.30	11.550		
6,500.0	6,372.5	6,445.5	6,372.5	26.3	20.5	-167.66	-20.9	-777.8	386.0	353.4	32.57	11.851		
6,600.0	6,472.1	6,545.0	6,472.1	26.5	20.6	-168.00	-20.9	-777.8	395.5	362.6	32.82	12.048		
6,700.0	6,571.9	6,644.8	6,571.9	26.7	20.8	-168.21	-20.9	-777.8	401.5	368.5	33.06	12.145		
6,800.0	6,671.8	6,744.8	6,671.8	26.8	20.9	-168.30	-20.9	-777.8	404.2	370.9	33.28	12.146		
6,900.0	6,771.8	6,844.8	6,771.8	26.9	21.1	106.21	-20.9	-777.8	404.3	357.3	47.00	8.604		
7,000.0	6,871.8	6,944.8	6,871.8	27.1	21.2	106.21	-20.9	-777.8	404.3	357.1	47.27	8.554		
7,100.0	6,971.8	7,044.8	6,971.8	27.2	21.4	106.21	-20.9	-777.8	404.3	356.8	47.55	8.503		
7,200.0	7,071.8	7,150.5	7,077.6	27.3	21.5	15.94	-19.9	-777.8	403.5	369.0	34.49	11.699		
7,300.0	7,171.1	7,265.9	7,191.8	27.3	21.7	14.58	-4.7	-777.8	389.2	355.6	33.65	11.565		
7,400.0	7,267.9	7,371.1	7,292.6	27.1	21.8	11.39	25.1	-777.7	358.7	326.7	32.01	11.207		
7,500.0	7,360.2	7,461.7	7,375.2	26.9	22.0	5.91	62.4	-777.6	315.2	285.4	29.78	10.583		
7,600.0	7,446.2	7,536.6	7,439.4	26.6	22.1	-2.64	100.9	-777.4	263.0	235.3	27.78	9.469		
7,700.0	7,524.3	7,596.6	7,487.7	26.4	22.2	-14.84	136.4	-777.3	208.8	180.8	28.05	7.445		
7,800.0	7,593.0	7,643.4	7,523.2	26.2	22.3	-29.42	166.9	-777.2	164.4	132.4	32.01	5.134		
7,881.4	7,640.9	7,673.1	7,544.7	26.1	22.3	-40.15	187.4	-777.1	149.9	113.8	36.09	4.154		
7,900.0	7,650.8	7,678.9	7,548.8	26.1	22.3	-42.17	191.5	-777.1	150.7	113.9	36.87	4.088 SF		
8,000.0	7,696.7	7,700.0	7,563.4	26.2	22.4	-47.67	206.7	-777.1	181.8	142.8	38.91	4.671		
8,100.0	7,729.7	7,722.2	7,578.3	26.6	22.4	-50.29	223.2	-777.0	243.3	203.2	40.07	6.072		
8,200.0	7,749.3	7,732.1	7,584.7	27.2	22.4	-46.34	230.7	-777.0	319.0	280.4	38.63	8.258		
8,300.0	7,755.0	7,734.9	7,586.5	28.0	22.4	-39.97	232.9	-777.0	400.5	364.3	36.19	11.067		
8,400.0	7,754.6	7,734.8	7,586.4	29.1	22.4	-39.92	232.7	-777.0	487.0	450.1	36.92	13.191		
8,500.0	7,754.3	7,734.6	7,586.3	30.3	22.4	-39.88	232.6	-777.0	577.9	540.1	37.79	15.292		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)													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 Reference (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	0.0	20.17	56.5	20.7	60.2				
100.0	100.0	100.0	100.0	0.1	0.1	0.1	20.17	56.5	20.7	60.2	59.9	0.22	267.641	
200.0	200.0	200.0	200.0	0.3	0.3	0.3	20.17	56.5	20.7	60.2	59.5	0.67	89.214	
300.0	300.0	300.0	300.0	0.6	0.6	0.6	20.17	56.5	20.7	60.2	59.0	1.12	53.528	
400.0	400.0	400.0	400.0	0.8	0.8	0.8	20.17	56.5	20.7	60.2	58.6	1.57	38.234	
500.0	500.0	500.0	500.0	1.0	1.0	1.0	20.17	56.5	20.7	60.2	58.1	2.02	29.738	
600.0	600.0	600.0	600.0	1.2	1.2	1.2	20.17	56.5	20.7	60.2	57.7	2.47	24.331	
700.0	700.0	700.0	700.0	1.5	1.5	1.5	20.17	56.5	20.7	60.2	57.2	2.92	20.588	
800.0	800.0	800.0	800.0	1.7	1.7	1.7	20.17	56.5	20.7	60.2	56.8	3.37	17.843	
900.0	900.0	900.0	900.0	1.9	1.9	1.9	20.17	56.5	20.7	60.2	56.3	3.82	15.744	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	2.1	20.17	56.5	20.7	60.2	55.9	4.27	14.086 CC, ES	
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.4	107.23		56.5	20.7	60.7	55.9	4.71	12.882	
1,200.0	1,199.8	1,199.8	1,199.8	2.6	2.6	111.79		56.5	20.7	62.4	57.3	5.14	12.143	
1,300.0	1,299.5	1,299.5	1,299.5	2.8	2.8	118.73		56.5	20.7	66.1	60.6	5.58	11.859	
1,400.0	1,398.7	1,398.7	1,398.7	3.0	3.0	127.02		56.5	20.7	72.8	66.8	6.02	12.094	
1,500.0	1,497.5	1,497.5	1,497.5	3.3	3.3	135.45		56.5	20.7	83.2	76.8	6.46	12.880	
1,600.0	1,595.6	1,595.6	1,595.6	3.6	3.5	143.09		56.5	20.7	97.8	90.9	6.89	14.189	
1,700.0	1,693.1	1,693.1	1,693.1	4.0	3.7	149.50		56.5	20.7	116.4	109.1	7.33	15.879	
1,800.0	1,790.6	1,790.6	1,790.6	4.4	3.9	154.30		56.5	20.7	136.4	128.7	7.78	17.543	
1,900.0	1,888.0	1,893.0	1,893.0	4.8	4.1	157.94		56.2	19.3	155.8	147.6	8.22	18.949	
2,000.0	1,985.4	1,997.3	1,997.2	5.2	4.3	160.69		55.4	14.0	172.0	163.4	8.65	19.877	
2,100.0	2,082.8	2,102.3	2,101.7	5.6	4.6	162.88		53.9	5.0	185.0	175.9	9.09	20.336	
2,200.0	2,180.2	2,201.5	2,200.4	6.1	4.8	164.66		52.2	-5.0	196.6	187.0	9.54	20.606	
2,300.0	2,277.6	2,300.6	2,299.0	6.5	5.0	166.24		50.5	-15.0	208.3	198.3	9.99	20.859	
2,400.0	2,375.1	2,399.8	2,397.6	7.0	5.2	167.66		48.9	-25.1	220.2	209.8	10.44	21.096	
2,500.0	2,472.5	2,498.9	2,496.3	7.5	5.5	168.92		47.2	-35.1	232.2	221.3	10.90	21.315	
2,600.0	2,569.9	2,598.1	2,594.9	7.9	5.7	170.07		45.5	-45.1	244.4	233.0	11.36	21.518	
2,700.0	2,667.3	2,697.2	2,693.5	8.4	6.0	171.10		43.9	-55.2	256.6	244.8	11.82	21.705	
2,800.0	2,764.7	2,796.4	2,792.1	8.9	6.2	172.04		42.2	-65.2	268.9	256.6	12.29	21.878	
2,900.0	2,862.1	2,895.5	2,890.8	9.3	6.5	172.90		40.5	-75.2	281.2	268.5	12.76	22.037	
3,000.0	2,959.5	2,994.7	2,989.4	9.8	6.7	173.69		38.9	-85.2	293.6	280.4	13.24	22.183	
3,100.0	3,057.0	3,093.8	3,088.0	10.3	7.0	174.41		37.2	-95.3	306.1	292.4	13.72	22.317	
3,200.0	3,154.4	3,193.0	3,186.6	10.8	7.3	175.07		35.5	-105.3	318.6	304.4	14.20	22.440	
3,300.0	3,251.8	3,292.1	3,285.3	11.3	7.5	175.69		33.9	-115.3	331.1	316.4	14.68	22.554	
3,400.0	3,349.2	3,391.3	3,383.9	11.7	7.8	176.26		32.2	-125.4	343.7	328.5	15.17	22.659	
3,500.0	3,446.6	3,490.4	3,482.5	12.2	8.1	176.79		30.5	-135.4	356.3	340.6	15.66	22.755	
3,600.0	3,544.0	3,589.6	3,581.2	12.7	8.3	177.28		28.9	-145.4	368.9	352.8	16.15	22.844	
3,700.0	3,641.4	3,688.7	3,679.8	13.2	8.6	177.75		27.2	-155.5	381.6	365.0	16.64	22.926	
3,800.0	3,738.9	3,787.9	3,778.4	13.7	8.9	178.18		25.5	-165.5	394.3	377.1	17.14	23.002	
3,900.0	3,836.3	3,887.0	3,877.0	14.2	9.2	178.58		23.9	-175.5	407.0	389.3	17.64	23.073	
4,000.0	3,933.7	3,986.2	3,975.7	14.7	9.5	178.96		22.2	-185.6	419.7	401.6	18.14	23.138	
4,100.0	4,031.1	4,085.3	4,074.3	15.1	9.7	179.32		20.5	-195.6	432.5	413.8	18.64	23.199	
4,200.0	4,128.5	4,184.5	4,172.9	15.6	10.0	179.66		18.9	-205.6	445.2	426.1	19.14	23.255	
4,300.0	4,225.9	4,283.6	4,271.5	16.1	10.3	179.98		17.2	-215.7	458.0	438.3	19.65	23.307	
4,400.0	4,323.4	4,382.8	4,370.2	16.6	10.6	-179.72		15.5	-225.7	470.8	450.6	20.16	23.356	
4,500.0	4,420.8	4,481.9	4,468.8	17.1	10.9	-179.44		13.9	-235.7	483.6	462.9	20.66	23.401	
4,600.0	4,518.2	4,581.1	4,567.4	17.6	11.1	-179.17		12.2	-245.7	496.4	475.2	21.17	23.443	
4,700.0	4,615.6	4,680.2	4,666.1	18.1	11.4	-178.91		10.5	-255.8	509.2	487.5	21.68	23.483	
4,800.0	4,713.0	4,779.4	4,764.7	18.6	11.7	-178.67		8.9	-265.8	522.0	499.8	22.19	23.520	
4,900.0	4,810.4	4,878.5	4,863.3	19.1	12.0	-178.43		7.2	-275.8	534.8	512.1	22.71	23.554	
5,000.0	4,907.8	4,977.7	4,961.9	19.6	12.3	-178.21		5.5	-285.9	547.7	524.5	23.22	23.587	
5,100.0	5,005.3	5,076.8	5,060.6	20.0	12.6	-178.00		3.9	-295.9	560.5	536.8	23.73	23.617	

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-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)												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	
5,200.0	5,102.7	5,176.0	5,159.2	20.5	12.9	-177.80	2.2	-305.9	573.4	549.1	24.25	23.646	
5,300.0	5,200.1	5,275.1	5,257.8	21.0	13.1	-177.60	0.5	-316.0	586.3	561.5	24.77	23.672	
5,400.0	5,297.5	5,374.3	5,356.4	21.5	13.4	-177.42	-1.1	-326.0	599.1	573.8	25.28	23.698	
7,600.0	7,446.2	7,487.3	7,439.1	26.6	18.4	-1.24	100.3	-447.3	593.1	565.4	27.66	21.441	
7,700.0	7,524.3	7,547.2	7,487.4	26.4	18.4	-6.33	135.7	-447.1	533.9	508.0	25.95	20.578	
7,800.0	7,593.0	7,594.0	7,522.9	26.2	18.5	-12.52	166.2	-447.0	469.6	444.6	25.02	18.770	
7,900.0	7,650.8	7,629.5	7,548.5	26.1	18.6	-19.66	190.8	-447.0	403.1	377.6	25.50	15.811	
8,000.0	7,696.7	7,655.4	7,566.3	26.2	18.6	-27.17	209.5	-446.9	337.9	310.5	27.46	12.306	
8,100.0	7,729.7	7,672.8	7,578.0	26.6	18.7	-33.95	222.5	-446.9	279.5	249.3	30.16	9.266	
8,200.0	7,749.3	7,682.7	7,584.4	27.2	18.7	-38.64	230.0	-446.8	236.6	204.0	32.59	7.262	
8,295.5	7,755.4	7,685.7	7,586.4	28.0	18.7	-40.17	232.3	-446.8	221.2	187.2	33.97	6.512	
8,300.0	7,755.0	7,685.5	7,586.3	28.0	18.7	-40.19	232.1	-446.8	220.9	186.9	34.01	6.495 SF	
8,400.0	7,754.6	7,685.3	7,586.2	29.1	18.7	-40.14	232.0	-446.8	244.0	209.2	34.75	7.022	
8,500.0	7,754.3	7,685.2	7,586.1	30.3	18.7	-40.10	231.9	-446.8	300.4	264.8	35.62	8.435	
8,600.0	7,753.9	7,685.0	7,585.9	31.8	18.7	-40.05	231.7	-446.8	375.5	338.9	36.62	10.255	
8,700.0	7,753.6	7,684.8	7,585.8	33.5	18.7	-40.01	231.6	-446.8	460.1	422.4	37.72	12.200	
8,800.0	7,753.3	7,684.7	7,585.7	35.2	18.7	-39.97	231.5	-446.8	550.0	511.1	38.91	14.136	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey K-11-2HN - Wellbore #1 - Plan #1 (9-4-14)													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		
0.0	0.0	0.0	0.0	0.0	0.0	20.04	70.7	25.8	75.2					
100.0	100.0	99.0	99.0	0.1	0.1	20.04	70.7	25.8	75.2	75.0	0.22	336.392		
200.0	200.0	199.0	199.0	0.3	0.3	20.04	70.7	25.8	75.2	74.6	0.67	111.944		
300.0	300.0	299.0	299.0	0.6	0.6	20.04	70.7	25.8	75.2	74.1	1.12	67.077		
400.0	400.0	399.0	399.0	0.8	0.8	20.04	70.7	25.8	75.2	73.7	1.57	47.885		
500.0	500.0	499.0	499.0	1.0	1.0	20.04	70.7	25.8	75.2	73.2	2.02	37.232		
600.0	600.0	599.0	599.0	1.2	1.2	20.04	70.7	25.8	75.2	72.8	2.47	30.456		
700.0	700.0	699.0	699.0	1.5	1.5	20.04	70.7	25.8	75.2	72.3	2.92	25.767		
800.0	800.0	799.0	799.0	1.7	1.7	20.04	70.7	25.8	75.2	71.9	3.37	22.329		
900.0	900.0	899.0	899.0	1.9	1.9	20.04	70.7	25.8	75.2	71.4	3.82	19.701		
1,000.0	1,000.0	999.0	999.0	2.1	2.1	20.04	70.7	25.8	75.2	71.0	4.27	17.626 CC, ES		
1,100.0	1,100.0	1,099.0	1,099.0	2.3	2.4	106.80	70.7	25.8	75.7	71.0	4.71	16.090		
1,200.0	1,199.8	1,198.8	1,198.8	2.6	2.6	110.47	70.7	25.8	77.4	72.3	5.14	15.066		
1,300.0	1,299.5	1,298.5	1,298.5	2.8	2.8	116.18	70.7	25.8	80.9	75.3	5.58	14.501		
1,400.0	1,398.7	1,397.7	1,397.7	3.0	3.0	123.27	70.7	25.8	87.0	80.9	6.02	14.436		
1,500.0	1,497.5	1,496.5	1,496.5	3.3	3.3	130.86	70.7	25.8	96.5	90.0	6.47	14.906		
1,600.0	1,595.6	1,594.6	1,594.6	3.6	3.5	138.15	70.7	25.8	110.0	103.1	6.92	15.905		
1,700.0	1,693.1	1,692.1	1,692.1	4.0	3.7	144.64	70.7	25.8	127.5	120.1	7.36	17.316		
1,800.0	1,790.6	1,789.6	1,789.6	4.4	3.9	149.72	70.7	25.8	146.6	138.8	7.82	18.760		
1,900.0	1,888.0	1,887.0	1,887.0	4.8	4.1	153.62	70.7	25.8	166.6	158.4	8.27	20.149		
2,000.0	1,985.4	1,984.4	1,984.4	5.2	4.3	156.68	70.7	25.8	187.2	178.5	8.73	21.457		
2,100.0	2,082.8	2,087.9	2,087.9	5.6	4.6	159.39	69.9	24.7	207.0	197.9	9.17	22.574		
2,200.0	2,180.2	2,193.6	2,193.4	6.1	4.8	161.97	67.1	20.3	223.9	214.3	9.60	23.329		
2,300.0	2,277.6	2,296.5	2,296.0	6.5	5.0	164.43	62.4	13.3	238.0	227.9	10.02	23.758		
2,400.0	2,375.1	2,395.1	2,394.2	7.0	5.2	166.57	57.6	6.0	251.9	241.5	10.44	24.124		
2,500.0	2,472.5	2,493.7	2,492.4	7.5	5.4	168.48	52.9	-1.2	266.2	255.3	10.88	24.474		
2,600.0	2,569.9	2,592.3	2,590.7	7.9	5.6	170.20	48.1	-8.5	280.7	269.4	11.32	24.804		
2,700.0	2,667.3	2,690.9	2,688.9	8.4	5.8	171.74	43.3	-15.7	295.4	283.7	11.76	25.113		
2,800.0	2,764.7	2,789.5	2,787.1	8.9	6.0	173.15	38.5	-22.9	310.4	298.1	12.22	25.399		
2,900.0	2,862.1	2,888.1	2,885.3	9.3	6.2	174.42	33.8	-30.2	325.5	312.8	12.68	25.663		
3,000.0	2,959.5	2,986.7	2,983.6	9.8	6.5	175.58	29.0	-37.4	340.7	327.5	13.15	25.907		
3,100.0	3,057.0	3,085.3	3,081.8	10.3	6.7	176.64	24.2	-44.7	356.1	342.4	13.63	26.131		
3,200.0	3,154.4	3,183.9	3,180.0	10.8	7.0	177.61	19.4	-51.9	371.5	357.4	14.11	26.336		
3,300.0	3,251.8	3,282.6	3,278.2	11.3	7.2	178.51	14.7	-59.2	387.1	372.5	14.60	26.524		
3,400.0	3,349.2	3,381.2	3,376.5	11.7	7.4	179.33	9.9	-66.4	402.8	387.7	15.09	26.696		
3,500.0	3,446.6	3,479.8	3,474.7	12.2	7.7	-179.90	5.1	-73.6	418.5	402.9	15.59	26.854		
3,600.0	3,544.0	3,578.4	3,572.9	12.7	7.9	-179.19	0.3	-80.9	434.3	418.2	16.09	26.998		
3,700.0	3,641.4	3,677.0	3,671.1	13.2	8.2	-178.53	-4.4	-88.1	450.2	433.6	16.59	27.131		
3,800.0	3,738.9	3,775.6	3,769.3	13.7	8.4	-177.92	-9.2	-95.4	466.1	449.0	17.10	27.252		
3,900.0	3,836.3	3,874.2	3,867.6	14.2	8.7	-177.35	-14.0	-102.6	482.1	464.5	17.62	27.364		
4,000.0	3,933.7	3,970.7	3,963.7	14.7	8.9	-176.82	-18.7	-109.7	498.1	480.0	18.13	27.480		
4,100.0	4,031.1	4,057.5	4,050.3	15.1	9.1	-176.51	-21.9	-114.6	515.7	497.1	18.59	27.739		
4,200.0	4,128.5	4,143.7	4,136.4	15.6	9.3	-176.41	-23.6	-117.2	535.5	516.5	19.04	28.125		
4,300.0	4,225.9	4,232.2	4,224.9	16.1	9.5	-176.49	-24.0	-117.8	557.5	538.0	19.49	28.608		
4,400.0	4,323.4	4,329.6	4,322.4	16.6	9.7	-176.63	-24.0	-117.8	580.0	560.1	19.95	29.074		
8,100.0	7,729.7	7,700.0	7,636.2	26.6	16.6	-23.38	186.8	-117.1	540.4	515.6	24.85	21.748		
8,200.0	7,749.3	7,707.8	7,641.8	27.2	16.6	-33.07	192.3	-117.1	450.6	421.5	29.08	15.497		
8,300.0	7,755.0	7,711.1	7,644.0	28.0	16.6	-44.29	194.7	-117.1	359.7	325.2	34.52	10.419		
8,400.0	7,754.6	7,710.9	7,643.9	29.1	16.6	-44.22	194.6	-117.1	272.3	237.1	35.29	7.718		
8,500.0	7,754.3	7,710.7	7,643.8	30.3	16.6	-44.14	194.4	-117.1	197.4	161.2	36.21	5.453		
8,600.0	7,753.9	7,710.5	7,643.6	31.8	16.6	-44.07	194.3	-117.1	154.2	117.0	37.26	4.140		
8,626.0	7,753.9	7,710.5	7,643.6	32.2	16.6	-44.05	194.2	-117.1	152.0	114.5	37.56	4.048 SF		

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-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey K-11-2HN - Wellbore #1 - Plan #1 (9-4-14)												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
8,700.0	7,753.6	7,710.3	7,643.5	33.5	16.6	-43.99	194.1	-117.1	169.1	130.7	38.42	4.401	
8,800.0	7,753.3	7,710.1	7,643.3	35.2	16.6	-43.92	194.0	-117.1	231.1	191.4	39.68	5.824	
8,900.0	7,752.9	7,709.9	7,643.2	37.2	16.6	-43.84	193.8	-117.1	313.4	272.4	41.02	7.640	
9,000.0	7,752.6	7,709.7	7,643.1	39.2	16.6	-43.77	193.7	-117.1	403.7	361.3	42.43	9.515	
9,100.0	7,752.2	7,709.5	7,642.9	41.3	16.6	-43.69	193.6	-117.1	497.8	453.9	43.91	11.338	
9,200.0	7,751.9	7,709.3	7,642.8	43.5	16.6	-43.62	193.4	-117.1	593.8	548.4	45.43	13.071	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14)													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		
0.0	0.0	0.0	0.0	0.0	0.0	19.96	84.9	30.8	90.3					
100.0	100.0	99.0	99.0	0.1	0.1	19.96	84.9	30.8	90.3	90.1	0.22	403.819		
200.0	200.0	199.0	199.0	0.3	0.3	19.96	84.9	30.8	90.3	89.6	0.67	134.383		
300.0	300.0	299.0	299.0	0.6	0.6	19.96	84.9	30.8	90.3	89.2	1.12	80.522		
400.0	400.0	399.0	399.0	0.8	0.8	19.96	84.9	30.8	90.3	88.7	1.57	57.483		
500.0	500.0	499.0	499.0	1.0	1.0	19.96	84.9	30.8	90.3	88.3	2.02	44.695		
600.0	600.0	599.0	599.0	1.2	1.2	19.96	84.9	30.8	90.3	87.8	2.47	36.561		
700.0	700.0	699.0	699.0	1.5	1.5	19.96	84.9	30.8	90.3	87.4	2.92	30.932		
800.0	800.0	799.0	799.0	1.7	1.7	19.96	84.9	30.8	90.3	86.9	3.37	26.805		
900.0	900.0	899.0	899.0	1.9	1.9	19.96	84.9	30.8	90.3	86.5	3.82	23.649		
1,000.0	1,000.0	999.0	999.0	2.1	2.1	19.96	84.9	30.8	90.3	86.0	4.27	21.159 CC, ES		
1,100.0	1,100.0	1,099.0	1,099.0	2.3	2.4	106.50	84.9	30.8	90.8	86.1	4.71	19.293		
1,200.0	1,199.8	1,198.8	1,198.8	2.6	2.6	109.58	84.9	30.8	92.4	87.3	5.14	17.990		
1,300.0	1,299.5	1,298.5	1,298.5	2.8	2.8	114.43	84.9	30.8	95.7	90.1	5.58	17.158		
1,400.0	1,398.7	1,397.7	1,397.7	3.0	3.0	120.58	84.9	30.8	101.4	95.3	6.03	16.819		
1,500.0	1,497.5	1,496.5	1,496.5	3.3	3.3	127.40	84.9	30.8	110.2	103.7	6.48	17.001		
1,600.0	1,595.6	1,594.6	1,594.6	3.6	3.5	134.24	84.9	30.8	122.8	115.9	6.94	17.709		
1,700.0	1,693.1	1,692.1	1,692.1	4.0	3.7	140.60	84.9	30.8	139.3	131.9	7.39	18.848		
1,800.0	1,790.6	1,789.6	1,789.6	4.4	3.9	145.78	84.9	30.8	157.6	149.7	7.85	20.067		
1,900.0	1,888.0	1,887.0	1,887.0	4.8	4.1	149.87	84.9	30.8	176.9	168.5	8.31	21.276		
2,000.0	1,985.4	1,984.4	1,984.4	5.2	4.3	153.15	84.9	30.8	196.8	188.1	8.77	22.439		
2,100.0	2,082.8	2,081.8	2,081.8	5.6	4.6	155.83	84.9	30.8	217.3	208.1	9.23	23.541		
2,200.0	2,180.2	2,179.2	2,179.2	6.1	4.8	158.05	84.9	30.8	238.2	228.5	9.69	24.574		
2,300.0	2,277.6	2,276.6	2,276.6	6.5	5.0	159.91	84.9	30.8	259.4	249.2	10.16	25.538		
2,400.0	2,375.1	2,374.1	2,374.1	7.0	5.2	161.49	84.9	30.8	280.7	270.1	10.62	26.436		
2,500.0	2,472.5	2,471.5	2,471.5	7.5	5.4	162.85	84.9	30.8	302.3	291.2	11.09	27.270		
2,600.0	2,569.9	2,563.5	2,563.5	7.9	5.6	164.05	84.5	31.4	324.6	313.0	11.53	28.155		
2,700.0	2,667.3	2,652.2	2,652.1	8.4	5.8	165.36	82.8	34.3	349.2	337.2	11.95	29.230		
2,800.0	2,764.7	2,739.5	2,739.2	8.9	6.0	166.76	79.8	39.4	376.3	363.9	12.35	30.458		
2,900.0	2,862.1	2,831.4	2,830.7	9.3	6.2	168.25	75.5	46.8	405.4	392.6	12.77	31.750		
3,000.0	2,959.5	2,926.5	2,925.4	9.8	6.3	169.60	70.9	54.5	434.9	421.7	13.19	32.973		
3,100.0	3,057.0	3,021.6	3,020.0	10.3	6.5	170.78	66.4	62.2	464.6	451.0	13.62	34.118		
3,200.0	3,154.4	3,116.6	3,114.7	10.8	6.8	171.82	61.8	69.9	494.4	480.4	14.05	35.185		
3,300.0	3,251.8	3,211.7	3,209.3	11.3	7.0	172.74	57.3	77.6	524.4	509.9	14.49	36.187		
3,400.0	3,349.2	3,306.8	3,304.0	11.7	7.2	173.57	52.7	85.3	554.5	539.6	14.94	37.124		
3,500.0	3,446.6	3,401.8	3,398.6	12.2	7.4	174.30	48.1	93.0	584.7	569.4	15.39	38.003		
8,400.0	7,754.6	7,711.5	7,642.6	29.1	16.7	-44.59	195.0	213.0	576.8	541.3	35.50	16.248		
8,500.0	7,754.3	7,711.3	7,642.5	30.3	16.7	-44.52	194.8	213.0	481.1	444.7	36.42	13.210		
8,600.0	7,753.9	7,711.1	7,642.4	31.8	16.7	-44.44	194.7	213.0	387.7	350.2	37.48	10.343		
8,700.0	7,753.6	7,710.9	7,642.2	33.5	16.7	-44.37	194.6	213.0	298.4	259.8	38.65	7.722		
8,800.0	7,753.3	7,710.7	7,642.1	35.2	16.7	-44.29	194.4	213.0	218.7	178.8	39.91	5.479		
8,900.0	7,752.9	7,710.5	7,641.9	37.2	16.7	-44.22	194.3	213.0	163.1	121.8	41.27	3.953		
8,956.1	7,752.7	7,710.4	7,641.9	38.3	16.7	-44.18	194.2	213.0	153.2	111.1	42.06	3.641 SF		
9,000.0	7,752.6	7,710.3	7,641.8	39.2	16.7	-44.15	194.1	213.0	159.3	116.6	42.69	3.732		
9,100.0	7,752.2	7,710.1	7,641.7	41.3	16.7	-44.07	194.0	213.0	210.1	166.0	44.17	4.758		
9,200.0	7,751.9	7,709.9	7,641.5	43.5	16.7	-44.00	193.9	213.0	288.0	242.3	45.70	6.301		
9,300.0	7,751.5	7,709.7	7,641.4	45.7	16.7	-43.92	193.7	213.0	376.5	329.2	47.28	7.962		
9,400.0	7,751.2	7,709.5	7,641.3	48.1	16.7	-43.85	193.6	213.0	469.6	420.7	48.89	9.604		
9,500.0	7,750.8	7,709.3	7,641.1	50.4	16.7	-43.78	193.4	213.0	565.0	514.5	50.54	11.180		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	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	-159.97	-13.8	-5.0	14.7	14.7	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	-159.97	-13.8	-5.0	14.7	14.5	0.22	65.532		
200.0	200.0	200.0	200.0	0.3	0.3	-159.97	-13.8	-5.0	14.7	14.1	0.67	21.844		
300.0	300.0	300.0	300.0	0.6	0.6	-159.97	-13.8	-5.0	14.7	13.6	1.12	13.106		
400.0	400.0	400.0	400.0	0.8	0.8	-159.97	-13.8	-5.0	14.7	13.2	1.57	9.362		
500.0	500.0	500.0	500.0	1.0	1.0	-159.97	-13.8	-5.0	14.7	12.7	2.02	7.281		
600.0	600.0	600.0	600.0	1.2	1.2	-159.97	-13.8	-5.0	14.7	12.3	2.47	5.957		
700.0	700.0	700.0	700.0	1.5	1.5	-159.97	-13.8	-5.0	14.7	11.8	2.92	5.041		
800.0	800.0	800.0	800.0	1.7	1.7	-159.97	-13.8	-5.0	14.7	11.4	3.37	4.369 CC, ES		
900.0	900.0	899.8	899.7	1.9	1.9	-154.03	-13.9	-6.8	15.5	11.7	3.81	4.067		
1,000.0	1,000.0	999.3	999.1	2.1	2.1	-139.78	-14.1	-12.0	18.6	14.3	4.24	4.380		
1,100.0	1,100.0	1,098.5	1,097.9	2.3	2.3	-42.35	-14.5	-20.6	24.0	19.3	4.66	5.143		
1,200.0	1,199.8	1,197.4	1,196.2	2.6	2.6	-35.70	-15.1	-32.5	30.2	25.1	5.07	5.953		
1,300.0	1,299.5	1,296.2	1,293.7	2.8	2.8	-31.97	-15.8	-47.9	36.9	31.4	5.50	6.708		
1,400.0	1,398.7	1,395.5	1,391.3	3.0	3.2	-30.19	-16.6	-66.0	43.3	37.3	5.94	7.285		
1,500.0	1,497.5	1,495.4	1,489.5	3.3	3.5	-30.81	-17.4	-84.6	46.9	40.5	6.40	7.328		
1,600.0	1,595.6	1,595.4	1,587.7	3.6	3.9	-33.56	-18.2	-103.2	47.6	40.7	6.91	6.892		
1,700.0	1,693.1	1,695.3	1,685.9	4.0	4.2	-38.51	-19.1	-121.8	45.9	38.4	7.51	6.119		
1,800.0	1,790.6	1,795.1	1,784.0	4.4	4.6	-44.22	-19.9	-140.4	44.3	36.1	8.21	5.396		
1,900.0	1,888.0	1,895.0	1,882.1	4.8	5.0	-50.29	-20.8	-159.0	43.1	34.1	9.01	4.790		
2,000.0	1,985.4	1,994.9	1,980.3	5.2	5.4	-56.63	-21.6	-177.5	42.5	32.6	9.89	4.297		
2,072.7	2,056.2	2,067.5	2,051.6	5.5	5.7	-61.32	-22.2	-191.0	42.3	31.8	10.58	4.004		
2,100.0	2,082.8	2,094.8	2,078.4	5.6	5.8	-63.08	-22.4	-196.1	42.4	31.5	10.84	3.908		
2,200.0	2,180.2	2,194.7	2,176.6	6.1	6.2	-69.49	-23.3	-214.7	42.8	30.9	11.84	3.615		
2,300.0	2,277.6	2,294.6	2,274.7	6.5	6.6	-75.71	-24.1	-233.3	43.7	30.9	12.84	3.404		
2,400.0	2,375.1	2,394.5	2,372.8	7.0	7.0	-81.59	-24.9	-251.8	45.1	31.3	13.84	3.262		
2,500.0	2,472.5	2,494.3	2,471.0	7.5	7.4	-87.06	-25.8	-270.4	47.0	32.2	14.81	3.175		
2,600.0	2,569.9	2,594.2	2,569.1	7.9	7.8	-92.07	-26.6	-289.0	49.3	33.6	15.74	3.132		
2,700.0	2,667.3	2,694.1	2,667.2	8.4	8.2	-96.61	-27.4	-307.6	51.9	35.3	16.62	3.122		
2,800.0	2,764.7	2,794.0	2,765.4	8.9	8.7	-100.69	-28.3	-326.2	54.8	37.3	17.47	3.137		
2,900.0	2,862.1	2,893.9	2,863.5	9.3	9.1	-104.35	-29.1	-344.7	58.0	39.7	18.28	3.171		
3,000.0	2,959.5	2,993.8	2,961.7	9.8	9.5	-107.62	-29.9	-363.3	61.3	42.3	19.06	3.218		
3,100.0	3,057.0	3,093.7	3,059.8	10.3	9.9	-110.54	-30.8	-381.9	64.9	45.1	19.81	3.275		
3,200.0	3,154.4	3,193.5	3,157.9	10.8	10.3	-113.15	-31.6	-400.5	68.6	48.0	20.54	3.338		
3,300.0	3,251.8	3,293.4	3,256.1	11.3	10.7	-115.49	-32.4	-419.0	72.4	51.1	21.26	3.405		
3,400.0	3,349.2	3,393.3	3,354.2	11.7	11.2	-117.59	-33.3	-437.6	76.3	54.4	21.96	3.475		
3,500.0	3,446.6	3,493.2	3,452.4	12.2	11.6	-119.48	-34.1	-456.2	80.3	57.7	22.65	3.547		
3,600.0	3,544.0	3,593.1	3,550.5	12.7	12.0	-121.20	-34.9	-474.8	84.4	61.1	23.34	3.618		
3,700.0	3,641.4	3,693.0	3,648.6	13.2	12.4	-122.75	-35.8	-493.3	88.6	64.6	24.02	3.690		
3,800.0	3,738.9	3,792.9	3,746.8	13.7	12.8	-124.16	-36.6	-511.9	92.8	68.2	24.69	3.760		
3,900.0	3,836.3	3,892.7	3,844.9	14.2	13.3	-125.45	-37.4	-530.5	97.1	71.8	25.36	3.829		
4,000.0	3,933.7	3,992.6	3,943.1	14.7	13.7	-126.63	-38.3	-549.1	101.5	75.4	26.03	3.897		
4,100.0	4,031.1	4,092.5	4,041.2	15.1	14.1	-127.71	-39.1	-567.7	105.8	79.1	26.70	3.964		
4,200.0	4,128.5	4,192.4	4,139.3	15.6	14.5	-128.70	-39.9	-586.2	110.2	82.9	27.36	4.028		
4,300.0	4,225.9	4,292.3	4,237.5	16.1	14.9	-129.62	-40.8	-604.8	114.7	86.6	28.03	4.091		
4,400.0	4,323.4	4,392.2	4,335.6	16.6	15.4	-130.47	-41.6	-623.4	119.1	90.4	28.69	4.152		
4,500.0	4,420.8	4,492.1	4,433.8	17.1	15.8	-131.26	-42.5	-642.0	123.6	94.2	29.35	4.211		
4,600.0	4,518.2	4,591.9	4,531.9	17.6	16.2	-132.00	-43.3	-660.5	128.1	98.1	30.01	4.268		
4,700.0	4,615.6	4,691.8	4,630.0	18.1	16.6	-132.68	-44.1	-679.1	132.6	102.0	30.68	4.324		
4,800.0	4,713.0	4,791.7	4,728.2	18.6	17.0	-133.32	-45.0	-697.7	137.2	105.8	31.34	4.377		
4,900.0	4,810.4	4,891.6	4,826.3	19.1	17.5	-133.92	-45.8	-716.3	141.7	109.7	32.00	4.429		
5,000.0	4,907.8	4,991.5	4,924.5	19.6	17.9	-134.48	-46.6	-734.8	146.3	113.6	32.66	4.479		

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-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,005.3	5,091.4	5,022.6	20.0	18.3	-135.00	-47.5	-753.4	150.9	117.6	33.32	4.528	
5,200.0	5,102.7	5,191.3	5,120.7	20.5	18.7	-135.50	-48.3	-772.0	155.5	121.5	33.98	4.575	
5,300.0	5,200.1	5,291.1	5,218.9	21.0	19.2	-135.97	-49.1	-790.6	160.1	125.4	34.65	4.621	
5,400.0	5,297.5	5,391.0	5,317.0	21.5	19.6	-136.41	-50.0	-809.2	164.7	129.4	35.31	4.665	
5,500.0	5,394.9	5,490.9	5,415.1	22.0	20.0	-136.82	-50.8	-827.7	169.3	133.4	35.97	4.708	
5,600.0	5,492.3	5,590.8	5,513.3	22.5	20.4	-137.22	-51.6	-846.3	174.0	137.3	36.63	4.749	
5,700.0	5,589.8	5,690.7	5,611.4	23.0	20.8	-137.59	-52.5	-864.9	178.6	141.3	37.30	4.789	
5,800.0	5,687.2	5,790.6	5,709.6	23.5	21.3	-137.95	-53.3	-883.5	183.3	145.3	37.96	4.828	
5,900.0	5,784.6	5,890.4	5,807.7	24.0	21.7	-138.28	-54.1	-902.0	187.9	149.3	38.62	4.866	
6,000.0	5,882.0	5,990.3	5,905.8	24.5	22.1	-138.60	-55.0	-920.6	192.6	153.3	39.29	4.902	
6,100.0	5,979.4	6,090.2	6,004.0	25.0	22.5	-138.91	-55.8	-939.2	197.3	157.3	39.95	4.937	
6,200.0	6,076.9	6,190.1	6,102.1	25.4	23.0	-139.20	-56.6	-957.8	201.9	161.2	40.61	4.970	
6,300.0	6,174.8	6,290.1	6,200.3	25.8	23.4	-139.04	-57.5	-976.4	204.6	163.2	41.31	4.952	
6,400.0	6,273.4	6,390.0	6,298.5	26.1	23.8	-138.21	-58.3	-994.9	204.7	162.5	42.18	4.852	
6,500.0	6,372.5	6,489.8	6,396.6	26.3	24.2	-136.67	-59.1	-1,013.5	202.2	159.0	43.22	4.679	
6,600.0	6,472.1	6,589.4	6,494.5	26.5	24.7	-134.36	-60.0	-1,032.0	197.5	153.1	44.46	4.443	
6,700.0	6,571.9	6,688.6	6,591.9	26.7	25.1	-131.15	-60.8	-1,050.5	190.8	144.9	45.91	4.155	
6,800.0	6,671.8	6,787.3	6,688.9	26.8	25.5	-126.85	-61.6	-1,068.8	182.5	135.0	47.59	3.835	
6,900.0	6,771.8	6,885.6	6,785.5	26.9	25.9	152.92	-62.5	-1,087.1	174.0	135.7	38.35	4.537	
7,000.0	6,871.8	6,983.9	6,882.0	27.1	26.3	158.65	-63.3	-1,105.4	167.0	129.9	37.13	4.498	
7,100.0	6,971.8	7,082.1	6,978.5	27.2	26.7	164.79	-64.1	-1,123.7	161.9	125.8	36.09	4.486	
7,200.0	7,071.8	7,180.2	7,074.9	27.3	27.2	81.33	-64.9	-1,141.9	158.7	104.7	54.04	2.937	
7,272.4	7,143.9	7,249.7	7,143.2	27.3	27.4	88.37	-65.5	-1,154.8	157.5	102.9	54.65	2.882	
7,300.0	7,171.1	7,275.9	7,169.1	27.3	27.5	91.39	-65.7	-1,159.0	157.8	103.1	54.71	2.884	
7,400.0	7,267.9	7,373.4	7,266.2	27.1	27.7	102.13	-66.6	-1,166.3	162.7	108.8	53.94	3.017	
7,500.0	7,360.2	7,475.5	7,368.0	26.9	27.7	112.01	-67.5	-1,159.7	173.6	121.8	51.82	3.351	
7,600.0	7,446.2	7,583.1	7,473.1	26.6	27.6	120.53	-68.6	-1,137.1	189.1	140.3	48.78	3.877	
7,700.0	7,524.3	7,696.8	7,579.2	26.4	27.4	127.54	-69.6	-1,096.5	207.4	162.0	45.32	4.575	
7,800.0	7,593.0	7,817.2	7,683.0	26.2	27.0	133.12	-70.8	-1,035.8	226.6	184.7	41.89	5.409	
7,900.0	7,650.8	7,944.6	7,780.1	26.1	26.7	137.43	-71.9	-953.6	245.1	206.2	38.90	6.301	
8,000.0	7,696.7	8,078.9	7,865.1	26.2	26.5	140.63	-73.0	-849.8	261.3	224.6	36.70	7.119	
8,100.0	7,729.7	8,219.5	7,931.6	26.6	26.6	142.84	-74.0	-726.3	274.0	238.3	35.65	7.684	
8,200.0	7,749.3	8,364.8	7,973.7	27.2	27.1	144.14	-74.8	-587.5	282.0	246.0	35.94	7.846	
8,300.0	7,755.0	8,509.6	7,987.0	28.0	28.1	144.58	-75.4	-443.6	284.7	247.2	37.48	7.597	
8,400.0	7,754.6	8,609.6	7,987.0	29.1	29.1	144.62	-75.7	-343.6	285.0	246.2	38.82	7.342	
8,500.0	7,754.3	8,709.6	7,987.0	30.3	30.3	144.66	-76.1	-243.6	285.3	244.9	40.40	7.061	
8,600.0	7,753.9	8,809.6	7,987.0	31.8	31.7	144.70	-76.4	-143.6	285.6	243.4	42.21	6.766	
8,700.0	7,753.6	8,909.6	7,987.0	33.5	33.3	144.74	-76.7	-43.6	285.8	241.6	44.21	6.466	
8,800.0	7,753.3	9,009.6	7,987.0	35.2	35.1	144.78	-77.0	56.4	286.1	239.8	46.37	6.170	
8,900.0	7,752.9	9,109.6	7,987.0	37.2	36.9	144.82	-77.4	156.4	286.4	237.7	48.68	5.883	
9,000.0	7,752.6	9,209.6	7,987.0	39.2	38.9	144.86	-77.7	256.4	286.7	235.6	51.11	5.609	
9,100.0	7,752.2	9,309.6	7,987.0	41.3	41.0	144.90	-78.0	356.4	287.0	233.3	53.65	5.349	
9,200.0	7,751.9	9,409.6	7,987.0	43.5	43.1	144.94	-78.4	456.4	287.3	231.0	56.28	5.105	
9,300.0	7,751.5	9,509.6	7,987.0	45.7	45.4	144.98	-78.7	556.4	287.5	228.6	58.98	4.875	
9,400.0	7,751.2	9,609.6	7,987.0	48.1	47.7	145.02	-79.0	656.4	287.8	226.1	61.75	4.661	
9,500.0	7,750.8	9,709.6	7,987.0	50.4	50.0	145.06	-79.3	756.4	288.1	223.5	64.57	4.462	
9,600.0	7,750.5	9,809.5	7,987.0	52.8	52.4	145.09	-79.7	856.4	288.4	220.9	67.45	4.276	
9,700.0	7,750.1	9,909.5	7,987.0	55.3	54.8	145.13	-80.0	956.4	288.7	218.3	70.37	4.102	
9,800.0	7,749.8	10,009.5	7,987.0	57.8	57.3	145.17	-80.3	1,056.4	289.0	215.6	73.32	3.941	
9,900.0	7,749.5	10,109.5	7,987.0	60.3	59.8	145.21	-80.7	1,156.4	289.2	212.9	76.30	3.791	
10,000.0	7,749.1	10,209.5	7,987.0	62.8	62.3	145.25	-81.0	1,256.4	289.5	210.2	79.31	3.650	
10,100.0	7,748.8	10,309.5	7,987.0	65.3	64.9	145.29	-81.3	1,356.4	289.8	207.5	82.35	3.519	

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-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,200.0	7,748.4	10,409.5	7,987.0	67.9	67.4	145.33	-81.6	1,456.4	290.1	204.7	85.40	3.397	
10,300.0	7,748.1	10,509.5	7,987.0	70.5	70.0	145.37	-82.0	1,556.4	290.4	201.9	88.48	3.282	
10,400.0	7,747.7	10,609.5	7,987.0	73.1	72.6	145.41	-82.3	1,656.4	290.7	199.1	91.57	3.174	
10,500.0	7,747.4	10,709.5	7,987.0	75.7	75.2	145.44	-82.6	1,756.4	290.9	196.3	94.67	3.073	
10,600.0	7,747.0	10,809.5	7,987.0	78.4	77.9	145.48	-83.0	1,856.4	291.2	193.4	97.78	2.978	
10,700.0	7,746.7	10,909.5	7,987.0	81.0	80.5	145.52	-83.3	1,956.4	291.5	190.6	100.90	2.889	
10,800.0	7,746.4	11,009.5	7,987.0	83.7	83.1	145.56	-83.6	2,056.4	291.8	187.8	104.03	2.805	
10,900.0	7,746.0	11,109.5	7,987.0	86.3	85.8	145.60	-83.9	2,156.4	292.1	184.9	107.17	2.725	
11,000.0	7,745.7	11,209.5	7,987.0	89.0	88.5	145.64	-84.3	2,256.4	292.4	182.0	110.32	2.650	
11,100.0	7,745.3	11,309.5	7,987.0	91.7	91.2	145.67	-84.6	2,356.4	292.6	179.2	113.47	2.579	
11,200.0	7,745.0	11,409.5	7,987.0	94.4	93.8	145.71	-84.9	2,456.4	292.9	176.3	116.62	2.512	
11,300.0	7,744.6	11,509.5	7,987.0	97.1	96.5	145.75	-85.2	2,556.4	293.2	173.4	119.78	2.448	
11,400.0	7,744.3	11,609.5	7,987.0	99.8	99.2	145.79	-85.6	2,656.4	293.5	170.6	122.94	2.387	
11,500.0	7,743.9	11,709.5	7,987.0	102.5	101.9	145.83	-85.9	2,756.4	293.8	167.7	126.10	2.330	
11,600.0	7,743.6	11,809.5	7,987.0	105.2	104.6	145.86	-86.2	2,856.4	294.1	164.8	129.27	2.275	
11,700.0	7,743.3	11,909.5	7,987.0	107.9	107.3	145.90	-86.6	2,956.4	294.4	161.9	132.43	2.223	
11,800.0	7,742.9	12,009.5	7,987.0	110.6	110.1	145.94	-86.9	3,056.4	294.6	159.0	135.60	2.173	
11,900.0	7,742.6	12,109.5	7,987.0	113.4	112.8	145.98	-87.2	3,156.4	294.9	156.2	138.77	2.125	
12,000.0	7,742.2	12,209.5	7,987.0	116.1	115.5	146.01	-87.5	3,256.4	295.2	153.3	141.93	2.080	
12,100.0	7,741.9	12,309.5	7,987.0	118.8	118.2	146.05	-87.9	3,356.4	295.5	150.4	145.10	2.037	
12,200.0	7,741.5	12,409.5	7,987.0	121.6	121.0	146.09	-88.2	3,456.4	295.8	147.5	148.27	1.995	
12,300.0	7,741.2	12,509.5	7,987.0	124.3	123.7	146.13	-88.5	3,556.4	296.1	144.6	151.43	1.955	
12,400.0	7,740.8	12,609.5	7,987.0	127.0	126.5	146.16	-88.9	3,656.4	296.4	141.8	154.60	1.917	
12,500.0	7,740.5	12,709.5	7,987.0	129.8	129.2	146.20	-89.2	3,756.4	296.6	138.9	157.76	1.880	
12,600.0	7,740.1	12,809.5	7,987.0	132.5	131.9	146.24	-89.5	3,856.4	296.9	136.0	160.92	1.845	
12,643.0	7,740.0	12,852.5	7,987.0	133.7	133.1	146.25	-89.7	3,899.3	297.1	134.8	162.28	1.831 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-2HC - Wellbore #1 - Plan #1 (9-4-14)													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		
0.0	0.0	0.0	0.0	0.0	0.0	35.74	84.5	60.8	104.1					
100.0	100.0	98.0	98.0	0.1	0.1	35.74	84.5	60.8	104.1	103.9	0.22	467.949		
200.0	200.0	198.0	198.0	0.3	0.3	35.74	84.5	60.8	104.1	103.5	0.67	155.462		
300.0	300.0	298.0	298.0	0.6	0.6	35.74	84.5	60.8	104.1	103.0	1.12	93.028		
400.0	400.0	398.0	398.0	0.8	0.8	35.74	84.5	60.8	104.1	102.6	1.57	66.372		
500.0	500.0	498.0	498.0	1.0	1.0	35.74	84.5	60.8	104.1	102.1	2.02	51.590		
600.0	600.0	598.0	598.0	1.2	1.2	35.74	84.5	60.8	104.1	101.7	2.47	42.193		
700.0	700.0	698.0	698.0	1.5	1.5	35.74	84.5	60.8	104.1	101.2	2.92	35.692		
800.0	800.0	798.0	798.0	1.7	1.7	35.74	84.5	60.8	104.1	100.8	3.37	30.926		
900.0	900.0	898.0	898.0	1.9	1.9	35.74	84.5	60.8	104.1	100.3	3.82	27.284		
1,000.0	1,000.0	998.0	998.0	2.1	2.1	35.74	84.5	60.8	104.1	99.9	4.27	24.409		
1,100.0	1,100.0	1,096.3	1,096.3	2.3	2.3	122.78	84.3	62.4	105.8	101.1	4.68	22.584		
1,200.0	1,199.8	1,193.9	1,193.8	2.6	2.5	127.16	83.4	67.3	111.4	106.3	5.09	21.889		
1,300.0	1,299.5	1,290.2	1,289.7	2.8	2.7	133.41	82.1	75.3	121.9	116.4	5.50	22.159		
1,400.0	1,398.7	1,384.6	1,383.4	3.0	3.0	140.32	80.3	86.2	138.8	132.9	5.93	23.412		
1,500.0	1,497.5	1,480.4	1,478.4	3.3	3.2	146.76	78.2	98.7	161.5	155.1	6.36	25.397		
1,600.0	1,595.6	1,575.2	1,572.4	3.6	3.5	152.02	76.1	111.1	188.7	181.9	6.78	27.854		
1,700.0	1,693.1	1,669.0	1,665.3	4.0	3.7	156.34	74.1	123.3	219.9	212.7	7.20	30.564		
1,800.0	1,790.6	1,762.6	1,758.1	4.4	4.0	159.76	72.1	135.5	252.5	244.9	7.63	33.097		
1,900.0	1,888.0	1,856.2	1,850.9	4.8	4.3	162.40	70.0	147.6	285.7	277.6	8.07	35.406		
2,000.0	1,985.4	1,949.8	1,943.6	5.2	4.6	164.49	68.0	159.8	319.3	310.8	8.51	37.527		
2,100.0	2,082.8	2,043.3	2,036.4	5.6	4.8	166.19	65.9	172.0	353.3	344.3	8.95	39.451		
2,200.0	2,180.2	2,136.9	2,129.2	6.1	5.1	167.59	63.9	184.2	387.4	378.0	9.40	41.200		
2,300.0	2,277.6	2,230.5	2,222.0	6.5	5.4	168.77	61.9	196.4	421.8	411.9	9.86	42.793		
2,400.0	2,375.1	2,324.1	2,314.7	7.0	5.7	169.77	59.8	208.6	456.3	445.9	10.31	44.244		
2,500.0	2,472.5	2,417.7	2,407.5	7.5	6.0	170.63	57.8	220.8	490.8	480.1	10.77	45.571		
2,600.0	2,569.9	2,511.3	2,500.3	7.9	6.3	171.38	55.8	233.0	525.5	514.3	11.23	46.785		
2,700.0	2,667.3	2,604.9	2,593.1	8.4	6.6	172.03	53.7	245.2	560.3	548.6	11.70	47.900		
2,800.0	2,764.7	2,698.5	2,685.8	8.9	6.9	172.61	51.7	257.3	595.0	582.9	12.16	48.926		
8,900.0	7,752.9	7,792.0	7,714.3	37.2	20.6	-53.00	131.9	707.7	553.8	505.3	48.43	11.435		
9,000.0	7,752.6	7,791.7	7,714.1	39.2	20.6	-52.75	131.7	707.7	454.4	404.5	49.95	9.098		
9,100.0	7,752.2	7,791.5	7,713.9	41.3	20.6	-52.51	131.6	707.7	355.5	303.9	51.53	6.898		
9,200.0	7,751.9	7,791.2	7,713.7	43.5	20.6	-52.26	131.4	707.7	257.3	204.1	53.17	4.839		
9,300.0	7,751.5	7,791.0	7,713.6	45.7	20.6	-52.02	131.3	707.7	161.4	106.5	54.85	2.943		
9,400.0	7,751.2	7,790.7	7,713.4	48.1	20.6	-51.77	131.1	707.7	76.8	20.2	56.56	1.358 Level 3		
9,450.8	7,751.0	7,790.6	7,713.3	49.3	20.6	-51.65	131.0	707.7	57.6	0.2	57.44	1.003 Level 2, CC, ES, SF		
9,500.0	7,750.8	7,790.5	7,713.2	50.4	20.6	-51.53	130.9	707.7	75.8	17.5	58.30	1.300 Level 3		
9,600.0	7,750.5	7,790.2	7,713.0	52.8	20.6	-51.28	130.8	707.7	160.0	99.9	60.06	2.664		
9,700.0	7,750.1	7,790.0	7,712.8	55.3	20.6	-51.04	130.6	707.7	255.8	194.0	61.84	4.137		
9,800.0	7,749.8	7,789.7	7,712.6	57.8	20.6	-50.79	130.5	707.7	354.0	290.3	63.63	5.563		
9,900.0	7,749.5	7,789.5	7,712.4	60.3	20.6	-50.55	130.3	707.7	452.9	387.5	65.43	6.922		
10,000.0	7,749.1	7,789.2	7,712.2	62.8	20.6	-50.30	130.2	707.7	552.3	485.0	67.24	8.213		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14)													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	
0.0	0.0	0.0	0.0	0.0	0.0	28.54	84.5	46.0	96.2				
100.0	100.0	99.0	99.0	0.1	0.1	28.54	84.5	46.0	96.2	96.0	0.22	430.201	
200.0	200.0	199.0	199.0	0.3	0.3	28.54	84.5	46.0	96.2	95.5	0.67	143.162	
300.0	300.0	299.0	299.0	0.6	0.6	28.54	84.5	46.0	96.2	95.1	1.12	85.782	
400.0	400.0	399.0	399.0	0.8	0.8	28.54	84.5	46.0	96.2	94.6	1.57	61.238	
500.0	500.0	499.0	499.0	1.0	1.0	28.54	84.5	46.0	96.2	94.2	2.02	47.614	
600.0	600.0	599.0	599.0	1.2	1.2	28.54	84.5	46.0	96.2	93.7	2.47	38.949	
700.0	700.0	699.0	699.0	1.5	1.5	28.54	84.5	46.0	96.2	93.3	2.92	32.953	
800.0	800.0	799.0	799.0	1.7	1.7	28.54	84.5	46.0	96.2	92.8	3.37	28.556	
900.0	900.0	899.0	899.0	1.9	1.9	28.54	84.5	46.0	96.2	92.4	3.82	25.194	
1,000.0	1,000.0	999.0	999.0	2.1	2.1	28.54	84.5	46.0	96.2	91.9	4.27	22.541 CC, ES	
1,100.0	1,100.0	1,099.0	1,099.0	2.3	2.4	114.96	84.5	46.0	96.9	92.2	4.71	20.600	
1,200.0	1,199.8	1,198.8	1,198.8	2.6	2.6	117.65	84.5	46.0	99.3	94.1	5.14	19.327	
1,300.0	1,299.5	1,298.5	1,298.5	2.8	2.8	121.84	84.5	46.0	103.6	98.0	5.57	18.589	
1,400.0	1,398.7	1,397.7	1,397.7	3.0	3.0	127.08	84.5	46.0	110.5	104.5	6.02	18.368	
1,500.0	1,497.5	1,496.5	1,496.5	3.3	3.3	132.82	84.5	46.0	120.7	114.2	6.47	18.660	
1,600.0	1,595.6	1,591.7	1,591.7	3.6	3.5	138.86	84.2	47.4	135.5	128.6	6.89	19.652	
1,700.0	1,693.1	1,684.7	1,684.6	4.0	3.6	145.08	83.3	51.8	156.5	149.2	7.31	21.407	
1,800.0	1,790.6	1,775.8	1,775.4	4.4	3.8	150.52	81.7	58.9	181.9	174.2	7.73	23.533	
1,900.0	1,888.0	1,866.1	1,865.1	4.8	4.0	155.06	79.6	68.7	211.2	203.0	8.15	25.904	
2,000.0	1,985.4	1,960.0	1,958.4	5.2	4.2	158.78	77.2	79.9	242.3	233.7	8.57	28.259	
2,100.0	2,082.8	2,054.0	2,051.6	5.6	4.5	161.66	74.7	91.0	274.1	265.1	9.00	30.463	
2,200.0	2,180.2	2,148.0	2,144.9	6.1	4.7	163.95	72.3	102.2	306.5	297.1	9.43	32.502	
2,300.0	2,277.6	2,242.0	2,238.2	6.5	5.0	165.80	69.9	113.3	339.2	329.4	9.87	34.375	
2,400.0	2,375.1	2,335.9	2,331.5	7.0	5.2	167.32	67.5	124.5	372.2	361.9	10.31	36.106	
2,500.0	2,472.5	2,429.9	2,424.8	7.5	5.5	168.60	65.1	135.6	405.4	394.6	10.75	37.697	
2,600.0	2,569.9	2,523.9	2,518.0	7.9	5.7	169.69	62.7	146.8	438.7	427.5	11.20	39.161	
2,700.0	2,667.3	2,617.9	2,611.3	8.4	6.0	170.62	60.2	157.9	472.2	460.5	11.66	40.510	
2,800.0	2,764.7	2,711.9	2,704.6	8.9	6.3	171.43	57.8	169.1	505.7	493.6	12.11	41.756	
2,900.0	2,862.1	2,805.8	2,797.9	9.3	6.5	172.15	55.4	180.2	539.4	526.8	12.57	42.908	
3,000.0	2,959.5	2,899.8	2,891.2	9.8	6.8	172.77	53.0	191.4	573.1	560.0	13.03	43.976	
8,800.0	7,753.3	7,688.5	7,583.5	35.2	18.8	-40.57	229.4	543.0	533.6	494.3	39.29	13.581	
8,900.0	7,752.9	7,688.3	7,583.4	37.2	18.8	-40.52	229.3	543.0	444.4	403.8	40.57	10.953	
9,000.0	7,752.6	7,688.1	7,583.3	39.2	18.8	-40.48	229.2	543.0	360.9	319.0	41.92	8.609	
9,100.0	7,752.2	7,688.0	7,583.2	41.3	18.8	-40.44	229.0	543.0	288.2	244.8	43.33	6.650	
9,200.0	7,751.9	7,687.8	7,583.1	43.5	18.8	-40.39	228.9	543.0	236.2	191.4	44.79	5.275	
9,286.2	7,751.6	7,687.7	7,583.0	45.4	18.8	-40.35	228.8	543.0	220.0	173.9	46.08	4.774	
9,300.0	7,751.5	7,687.6	7,582.9	45.7	18.8	-40.35	228.8	543.0	220.4	174.1	46.28	4.762 SF	
9,400.0	7,751.2	7,687.5	7,582.8	48.1	18.8	-40.30	228.7	543.0	247.7	199.8	47.82	5.179	
9,500.0	7,750.8	7,687.3	7,582.7	50.4	18.8	-40.26	228.5	543.0	306.8	257.4	49.38	6.212	
9,600.0	7,750.5	7,687.1	7,582.6	52.8	18.8	-40.22	228.4	543.0	383.2	332.3	50.97	7.518	
9,700.0	7,750.1	7,687.0	7,582.5	55.3	18.8	-40.17	228.3	543.0	468.7	416.1	52.59	8.912	
9,800.0	7,749.8	7,686.8	7,582.4	57.8	18.8	-40.13	228.1	543.0	558.9	504.7	54.22	10.309	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-11-12HN - Wellbore #1 - Plan #1 (7-02-13)													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	-159.71	-28.0	-10.4	29.9					
100.0	100.0	99.0	99.0	0.1	0.1	-159.71	-28.0	-10.4	29.9	29.7	0.22	133.683		
200.0	200.0	199.0	199.0	0.3	0.3	-159.71	-28.0	-10.4	29.9	29.2	0.67	44.487		
300.0	300.0	299.0	299.0	0.6	0.6	-159.71	-28.0	-10.4	29.9	28.8	1.12	26.657		
400.0	400.0	399.0	399.0	0.8	0.8	-159.71	-28.0	-10.4	29.9	28.3	1.57	19.029		
500.0	500.0	499.0	499.0	1.0	1.0	-159.71	-28.0	-10.4	29.9	27.9	2.02	14.796		
600.0	600.0	599.0	599.0	1.2	1.2	-159.71	-28.0	-10.4	29.9	27.4	2.47	12.103 CC, ES		
700.0	700.0	698.4	698.4	1.5	1.4	-157.00	-28.3	-12.0	30.8	27.9	2.90	10.608		
800.0	800.0	797.6	797.5	1.7	1.6	-149.73	-29.3	-17.1	33.9	30.6	3.33	10.180		
900.0	900.0	896.4	895.8	1.9	1.9	-140.43	-30.8	-25.4	40.1	36.3	3.77	10.616		
1,000.0	1,000.0	994.4	993.1	2.1	2.1	-131.60	-32.9	-37.0	49.9	45.6	4.24	11.765		
1,100.0	1,100.0	1,091.7	1,089.3	2.3	2.4	-39.83	-35.6	-51.8	62.2	57.6	4.66	13.369		
1,200.0	1,199.8	1,188.6	1,184.5	2.6	2.7	-36.24	-38.8	-69.7	75.4	70.3	5.09	14.826		
1,300.0	1,299.5	1,285.1	1,278.6	2.8	3.1	-34.22	-42.6	-90.6	89.1	83.5	5.53	16.103		
1,400.0	1,398.7	1,383.7	1,374.3	3.0	3.6	-33.36	-46.9	-114.1	102.0	96.0	6.00	17.008		
1,500.0	1,497.5	1,483.2	1,470.8	3.3	4.0	-33.65	-51.2	-137.8	112.1	105.6	6.49	17.274		
1,600.0	1,595.6	1,582.9	1,567.5	3.6	4.5	-34.85	-55.5	-161.7	119.3	112.3	7.02	16.998		
1,700.0	1,693.1	1,682.7	1,664.3	4.0	5.0	-36.79	-59.9	-185.5	124.1	116.5	7.62	16.297		
1,800.0	1,790.6	1,782.5	1,761.1	4.4	5.5	-38.75	-64.2	-209.3	128.7	120.4	8.27	15.564		
1,900.0	1,888.0	1,882.3	1,857.9	4.8	6.0	-40.57	-68.5	-233.2	133.4	124.4	8.96	14.893		
2,000.0	1,985.4	1,982.1	1,954.7	5.2	6.5	-42.27	-72.9	-257.0	138.2	128.5	9.68	14.281		
2,100.0	2,082.8	2,081.9	2,051.6	5.6	7.0	-43.85	-77.2	-280.8	143.1	132.7	10.43	13.726		
2,200.0	2,180.2	2,181.7	2,148.4	6.1	7.5	-45.32	-81.5	-304.7	148.2	137.0	11.21	13.224		
2,300.0	2,277.6	2,281.5	2,245.2	6.5	8.0	-46.70	-85.9	-328.5	153.3	141.3	12.01	12.769		
2,400.0	2,375.1	2,381.3	2,342.0	7.0	8.5	-47.99	-90.2	-352.4	158.5	145.7	12.83	12.358		
2,500.0	2,472.5	2,481.1	2,438.8	7.5	9.0	-49.19	-94.5	-376.2	163.8	150.1	13.67	11.986		
2,600.0	2,569.9	2,580.9	2,535.6	7.9	9.6	-50.32	-98.8	-400.0	169.2	154.6	14.52	11.648		
2,700.0	2,667.3	2,680.7	2,632.5	8.4	10.1	-51.38	-103.2	-423.9	174.6	159.2	15.39	11.342		
2,800.0	2,764.7	2,780.5	2,729.3	8.9	10.6	-52.38	-107.5	-447.7	180.0	163.8	16.27	11.064		
2,900.0	2,862.1	2,880.3	2,826.1	9.3	11.1	-53.32	-111.8	-471.5	185.6	168.4	17.16	10.811		
3,000.0	2,959.5	2,980.1	2,922.9	9.8	11.6	-54.20	-116.2	-495.4	191.1	173.1	18.07	10.579		
3,100.0	3,057.0	3,079.9	3,019.7	10.3	12.2	-55.03	-120.5	-519.2	196.7	177.8	18.98	10.368		
3,200.0	3,154.4	3,179.7	3,116.6	10.8	12.7	-55.82	-124.8	-543.1	202.4	182.5	19.89	10.174		
3,300.0	3,251.8	3,279.5	3,213.4	11.3	13.2	-56.56	-129.2	-566.9	208.1	187.3	20.82	9.995		
3,400.0	3,349.2	3,379.3	3,310.2	11.7	13.7	-57.27	-133.5	-590.7	213.8	192.0	21.75	9.831		
3,500.0	3,446.6	3,479.1	3,407.0	12.2	14.3	-57.93	-137.8	-614.6	219.5	196.9	22.68	9.679		
3,600.0	3,544.0	3,578.9	3,503.8	12.7	14.8	-58.57	-142.2	-638.4	225.3	201.7	23.62	9.538		
3,700.0	3,641.4	3,678.7	3,600.6	13.2	15.3	-59.17	-146.5	-662.2	231.1	206.6	24.57	9.408		
3,800.0	3,738.9	3,778.5	3,697.5	13.7	15.8	-59.74	-150.8	-686.1	237.0	211.4	25.51	9.287		
3,900.0	3,836.3	3,878.3	3,794.3	14.2	16.4	-60.28	-155.2	-709.9	242.8	216.3	26.46	9.175		
4,000.0	3,933.7	3,978.1	3,891.1	14.7	16.9	-60.80	-159.5	-733.8	248.7	221.3	27.42	9.070		
4,100.0	4,031.1	4,078.0	3,987.9	15.1	17.4	-61.30	-163.8	-757.6	254.6	226.2	28.37	8.972		
4,200.0	4,128.5	4,177.8	4,084.7	15.6	17.9	-61.77	-168.1	-781.4	260.5	231.1	29.33	8.880		
4,300.0	4,225.9	4,277.6	4,181.5	16.1	18.5	-62.22	-172.5	-805.3	266.4	236.1	30.29	8.794		
4,400.0	4,323.4	4,377.4	4,278.4	16.6	19.0	-62.65	-176.8	-829.1	272.3	241.1	31.26	8.713		
4,500.0	4,420.8	4,477.2	4,375.2	17.1	19.5	-63.07	-181.1	-852.9	278.3	246.1	32.22	8.637		
4,600.0	4,518.2	4,577.0	4,472.0	17.6	20.0	-63.46	-185.5	-876.8	284.3	251.1	33.19	8.565		
4,700.0	4,615.6	4,676.8	4,568.8	18.1	20.6	-63.84	-189.8	-900.6	290.2	256.1	34.16	8.498		
4,800.0	4,713.0	4,776.6	4,665.6	18.6	21.1	-64.21	-194.1	-924.4	296.2	261.1	35.12	8.434		
4,900.0	4,810.4	4,876.4	4,762.5	19.1	21.6	-64.56	-198.5	-948.3	302.2	266.2	36.09	8.374		
5,000.0	4,907.8	4,976.2	4,859.3	19.6	22.1	-64.89	-202.8	-972.1	308.3	271.2	37.07	8.317		
5,100.0	5,005.3	5,076.0	4,956.1	20.0	22.7	-65.22	-207.1	-996.0	314.3	276.3	38.04	8.262		

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-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-11-12HN - Wellbore #1 - Plan #1 (7-02-13)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,200.0	5,102.7	5,175.8	5,052.9	20.5	23.2	-65.53	-211.5	-1,019.8	320.3	281.3	39.01	8.211	
5,300.0	5,200.1	5,275.6	5,149.7	21.0	23.7	-65.83	-215.8	-1,043.6	326.4	286.4	39.99	8.162	
5,400.0	5,297.5	5,375.4	5,246.5	21.5	24.2	-66.11	-220.1	-1,067.5	332.4	291.5	40.96	8.116	
5,500.0	5,394.9	5,478.3	5,346.5	22.0	24.7	-66.44	-224.5	-1,091.7	338.3	296.4	41.94	8.067	
5,600.0	5,492.3	5,586.0	5,451.7	22.5	25.1	-67.22	-228.6	-1,114.0	342.3	299.4	42.95	7.970	
5,700.0	5,589.8	5,693.4	5,557.5	23.0	25.5	-68.50	-231.9	-1,132.2	344.2	300.1	44.05	7.813	
5,800.0	5,687.2	5,800.2	5,663.4	23.5	25.7	-70.32	-234.5	-1,146.5	344.1	298.8	45.23	7.606	
5,900.0	5,784.6	5,906.3	5,768.9	24.0	26.0	-72.67	-236.4	-1,156.9	342.3	295.8	46.48	7.363	
6,000.0	5,882.0	6,011.3	5,873.7	24.5	26.1	-75.58	-237.5	-1,163.3	339.2	291.4	47.78	7.099	
6,100.0	5,979.4	6,114.9	5,977.2	25.0	26.3	-79.06	-238.0	-1,166.0	335.4	286.3	49.08	6.832	
6,200.0	6,076.9	6,213.5	6,075.9	25.4	26.3	-82.80	-238.0	-1,166.1	331.8	281.5	50.29	6.597	
6,300.0	6,174.8	6,311.5	6,173.8	25.8	26.5	-86.14	-238.0	-1,166.1	329.8	278.6	51.19	6.443	
6,400.0	6,273.4	6,410.1	6,272.4	26.1	26.6	-88.98	-238.0	-1,166.1	329.1	277.2	51.90	6.340	
6,442.0	6,315.0	6,451.6	6,314.0	26.2	26.6	-90.00	-238.0	-1,166.1	329.0	276.9	52.14	6.310	
6,500.0	6,372.5	6,509.2	6,371.5	26.3	26.7	-91.25	-238.0	-1,166.1	329.1	276.6	52.45	6.274	
6,600.0	6,472.1	6,608.7	6,471.1	26.5	26.8	-92.93	-238.0	-1,166.1	329.5	276.6	52.89	6.230	
6,700.0	6,571.9	6,708.5	6,570.9	26.7	26.9	-94.02	-238.0	-1,166.1	329.8	276.6	53.22	6.197	
6,800.0	6,671.8	6,808.5	6,670.8	26.8	27.0	-94.49	-238.0	-1,166.1	330.0	276.5	53.49	6.171	
6,900.0	6,771.8	6,908.5	6,770.8	26.9	27.1	-97.99	-238.0	-1,166.1	330.0	296.2	33.79	9.766	
7,000.0	6,871.8	7,008.5	6,870.8	27.1	27.2	-179.99	-238.0	-1,166.1	330.0	295.9	34.15	9.666	
7,100.0	6,971.8	7,108.5	6,970.8	27.2	27.3	-179.99	-238.0	-1,166.1	330.0	295.5	34.50	9.567	
7,200.0	7,071.8	7,208.4	7,070.8	27.3	27.5	89.81	-238.0	-1,165.4	330.0	275.6	54.40	6.067	
7,300.0	7,171.1	7,308.3	7,169.9	27.3	27.4	89.81	-238.1	-1,154.2	330.0	275.7	54.37	6.070	
7,400.0	7,267.9	7,408.1	7,266.5	27.1	27.3	89.82	-238.2	-1,129.3	330.0	275.9	54.09	6.101	
7,500.0	7,360.2	7,508.0	7,358.7	26.9	27.1	89.83	-238.3	-1,091.2	330.0	276.4	53.64	6.153	
7,600.0	7,446.2	7,607.9	7,444.7	26.6	26.8	89.84	-238.5	-1,040.6	330.0	277.0	53.09	6.217	
7,700.0	7,524.3	7,707.7	7,522.8	26.4	26.5	89.86	-238.7	-978.4	330.0	277.5	52.56	6.279	
7,800.0	7,593.0	7,807.6	7,591.4	26.2	26.4	89.88	-238.9	-906.0	330.0	277.9	52.17	6.326	
7,900.0	7,650.8	7,907.5	7,649.3	26.1	26.3	89.90	-239.2	-824.6	330.0	278.0	52.06	6.339	
8,000.0	7,696.7	8,007.5	7,695.3	26.2	26.4	89.92	-239.5	-736.0	330.0	277.7	52.35	6.305	
8,040.5	7,711.7	8,047.9	7,710.3	26.4	26.5	89.93	-239.6	-698.4	330.0	277.4	52.62	6.273	
8,100.0	7,729.7	8,107.4	7,728.5	26.6	26.8	89.95	-239.8	-641.8	330.0	276.9	53.10	6.216	
8,200.0	7,749.3	8,207.4	7,748.1	27.2	27.3	89.98	-240.1	-543.9	330.0	275.7	54.33	6.075	
8,300.0	7,755.0	8,307.4	7,754.0	28.0	28.1	90.00	-240.4	-444.1	330.0	274.0	56.00	5.893	
8,400.0	7,754.6	8,407.4	7,753.6	29.1	29.1	90.00	-240.8	-344.1	330.0	271.9	58.10	5.680	
8,500.0	7,754.3	8,507.4	7,753.3	30.3	30.4	90.00	-241.1	-244.1	330.0	269.4	60.66	5.441	
8,600.0	7,753.9	8,607.4	7,752.9	31.8	31.9	90.00	-241.4	-144.1	330.0	266.4	63.61	5.188	
8,700.0	7,753.6	8,707.4	7,752.6	33.5	33.5	90.00	-241.7	-44.1	330.0	263.1	66.91	4.933	
8,800.0	7,753.3	8,807.4	7,752.3	35.2	35.3	90.00	-242.1	55.9	330.0	259.5	70.49	4.682	
8,900.0	7,752.9	8,907.4	7,751.9	37.2	37.2	90.00	-242.4	155.9	330.0	255.7	74.33	4.440	
9,000.0	7,752.6	9,007.4	7,751.6	39.2	39.2	90.00	-242.7	255.9	330.0	251.7	78.38	4.211	
9,100.0	7,752.2	9,107.4	7,751.2	41.3	41.3	90.00	-243.1	355.9	330.0	247.4	82.61	3.995	
9,200.0	7,751.9	9,207.4	7,750.9	43.5	43.5	90.00	-243.4	455.9	330.0	243.0	87.00	3.794	
9,300.0	7,751.5	9,307.4	7,750.5	45.7	45.8	90.00	-243.7	555.9	330.0	238.5	91.52	3.606	
9,400.0	7,751.2	9,407.4	7,750.2	48.1	48.1	90.00	-244.0	655.9	330.0	233.9	96.16	3.432	
9,500.0	7,750.8	9,507.4	7,749.8	50.4	50.5	90.00	-244.4	755.9	330.0	229.1	100.89	3.271	
9,600.0	7,750.5	9,607.4	7,749.5	52.8	52.9	90.00	-244.7	855.9	330.0	224.3	105.71	3.122	
9,700.0	7,750.1	9,707.4	7,749.2	55.3	55.3	90.00	-245.0	955.9	330.0	219.4	110.61	2.984	
9,800.0	7,749.8	9,807.4	7,748.8	57.8	57.8	90.00	-245.3	1,055.9	330.0	214.5	115.57	2.856	
9,900.0	7,749.5	9,907.4	7,748.5	60.3	60.3	90.00	-245.7	1,155.9	330.0	209.5	120.58	2.737	
10,000.0	7,749.1	10,007.4	7,748.1	62.8	62.9	90.00	-246.0	1,255.9	330.0	204.4	125.65	2.627	
10,100.0	7,748.8	10,107.4	7,747.8	65.3	65.4	90.00	-246.3	1,355.9	330.0	199.3	130.76	2.524	

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-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-11-12HN - Wellbore #1 - Plan #1 (7-02-13)												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
10,200.0	7,748.4	10,207.4	7,747.4	67.9	68.0	90.00	-246.7	1,455.9	330.0	194.1	135.91	2.428	
10,300.0	7,748.1	10,307.4	7,747.1	70.5	70.6	90.00	-247.0	1,555.9	330.0	188.9	141.10	2.339	
10,400.0	7,747.7	10,407.4	7,746.7	73.1	73.2	90.00	-247.3	1,655.9	330.0	183.7	146.31	2.256	
10,500.0	7,747.4	10,507.4	7,746.4	75.7	75.8	90.00	-247.6	1,755.9	330.0	178.5	151.56	2.178	
10,600.0	7,747.0	10,607.4	7,746.0	78.4	78.5	90.00	-248.0	1,855.9	330.0	173.2	156.83	2.104	
10,700.0	7,746.7	10,707.4	7,745.7	81.0	81.1	90.00	-248.3	1,955.9	330.0	167.9	162.12	2.036	
10,800.0	7,746.4	10,807.4	7,745.4	83.7	83.8	90.00	-248.6	2,055.9	330.0	162.6	167.43	1.971	
10,900.0	7,746.0	10,907.4	7,745.0	86.3	86.4	90.00	-249.0	2,155.9	330.0	157.3	172.77	1.910	
11,000.0	7,745.7	11,007.4	7,744.7	89.0	89.1	90.00	-249.3	2,255.8	330.0	151.9	178.12	1.853	
11,100.0	7,745.3	11,107.4	7,744.3	91.7	91.8	90.00	-249.6	2,355.8	330.0	146.6	183.48	1.799	
11,200.0	7,745.0	11,207.4	7,744.0	94.4	94.5	90.00	-249.9	2,455.8	330.0	141.2	188.86	1.748	
11,300.0	7,744.6	11,307.4	7,743.6	97.1	97.2	90.00	-250.3	2,555.8	330.0	135.8	194.25	1.699	
11,400.0	7,744.3	11,407.4	7,743.3	99.8	99.9	90.00	-250.6	2,655.8	330.0	130.4	199.65	1.653	
11,500.0	7,743.9	11,507.4	7,742.9	102.5	102.6	90.00	-250.9	2,755.8	330.0	125.0	205.07	1.609	
11,600.0	7,743.6	11,607.4	7,742.6	105.2	105.3	90.00	-251.2	2,855.8	330.0	119.5	210.49	1.568	
11,700.0	7,743.3	11,707.4	7,742.3	107.9	108.0	90.00	-251.6	2,955.8	330.0	114.1	215.93	1.528	
11,800.0	7,742.9	11,807.4	7,741.9	110.6	110.7	90.00	-251.9	3,055.8	330.0	108.7	221.37	1.491 Level 3	
11,900.0	7,742.6	11,907.4	7,741.6	113.4	113.5	90.00	-252.2	3,155.8	330.0	103.2	226.82	1.455 Level 3	
12,000.0	7,742.2	12,007.4	7,741.2	116.1	116.2	90.00	-252.6	3,255.8	330.0	97.8	232.28	1.421 Level 3	
12,100.0	7,741.9	12,107.4	7,740.9	118.8	118.9	90.00	-252.9	3,355.8	330.0	92.3	237.74	1.388 Level 3	
12,200.0	7,741.5	12,207.4	7,740.5	121.6	121.7	90.00	-253.2	3,455.8	330.0	86.8	243.22	1.357 Level 3	
12,300.0	7,741.2	12,307.4	7,740.2	124.3	124.4	90.00	-253.5	3,555.8	330.0	81.3	248.69	1.327 Level 3	
12,400.0	7,740.8	12,407.4	7,739.8	127.0	127.1	90.00	-253.9	3,655.8	330.0	75.9	254.18	1.298 Level 3	
12,500.0	7,740.5	12,507.4	7,739.5	129.8	129.9	90.00	-254.2	3,755.8	330.0	70.4	259.67	1.271 Level 3	
12,600.0	7,740.1	12,607.4	7,739.2	132.5	132.6	90.00	-254.5	3,855.8	330.0	64.9	265.16	1.245 Level 2	
12,643.0	7,740.0	12,650.4	7,739.0	133.7	133.8	90.00	-254.7	3,898.8	330.0	62.5	267.52	1.234 Level 2, SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14)													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		
0.0	0.0	0.0	0.0	0.0	0.0	42.07	84.2	76.0	113.4					
100.0	100.0	98.0	98.0	0.1	0.1	42.07	84.2	76.0	113.4	113.1	0.22	509.448		
200.0	200.0	198.0	198.0	0.3	0.3	42.07	84.2	76.0	113.4	112.7	0.67	169.249		
300.0	300.0	298.0	298.0	0.6	0.6	42.07	84.2	76.0	113.4	112.2	1.12	101.278		
400.0	400.0	398.0	398.0	0.8	0.8	42.07	84.2	76.0	113.4	111.8	1.57	72.258		
500.0	500.0	498.0	498.0	1.0	1.0	42.07	84.2	76.0	113.4	111.3	2.02	56.165		
600.0	600.0	598.0	598.0	1.2	1.2	42.07	84.2	76.0	113.4	110.9	2.47	45.935		
700.0	700.0	698.0	698.0	1.5	1.5	42.07	84.2	76.0	113.4	110.4	2.92	38.857		
800.0	800.0	798.0	798.0	1.7	1.7	42.07	84.2	76.0	113.4	110.0	3.37	33.669 CC, ES		
900.0	900.0	895.8	895.8	1.9	1.9	42.73	83.9	77.5	114.3	110.5	3.80	30.099		
1,000.0	1,000.0	993.4	993.2	2.1	2.1	44.70	83.3	82.4	117.3	113.0	4.22	27.787		
1,100.0	1,100.0	1,090.3	1,089.8	2.3	2.3	133.73	82.2	90.5	123.7	119.1	4.65	26.638		
1,200.0	1,199.8	1,185.9	1,184.7	2.6	2.5	138.75	80.7	101.7	135.6	130.5	5.07	26.742		
1,300.0	1,299.5	1,281.3	1,279.1	2.8	2.8	144.33	78.8	115.6	153.5	148.0	5.51	27.862		
1,400.0	1,398.7	1,377.6	1,374.3	3.0	3.1	149.40	76.8	130.0	176.0	170.1	5.94	29.613		
1,500.0	1,497.5	1,472.9	1,468.5	3.3	3.4	153.69	74.9	144.3	202.6	196.3	6.37	31.824		
1,600.0	1,595.6	1,567.0	1,561.5	3.6	3.7	157.26	73.0	158.4	233.3	226.5	6.78	34.394		
1,700.0	1,693.1	1,660.1	1,653.5	4.0	4.0	160.31	71.1	172.4	267.5	260.3	7.20	37.135		
1,800.0	1,790.6	1,752.9	1,745.3	4.4	4.3	162.80	69.2	186.3	302.6	295.0	7.64	39.596		
1,900.0	1,888.0	1,845.8	1,837.1	4.8	4.6	164.79	67.4	200.2	338.2	330.1	8.08	41.834		
2,000.0	1,985.4	1,938.7	1,928.9	5.2	4.9	166.39	65.5	214.2	374.0	365.5	8.53	43.850		
2,100.0	2,082.8	2,031.6	2,020.7	5.6	5.2	167.72	63.6	228.1	410.1	401.1	8.98	45.668		
2,200.0	2,180.2	2,124.5	2,112.5	6.1	5.5	168.83	61.7	242.0	446.4	436.9	9.43	47.312		
2,300.0	2,277.6	2,217.3	2,204.4	6.5	5.9	169.78	59.8	256.0	482.7	472.8	9.89	48.801		
2,400.0	2,375.1	2,310.2	2,296.2	7.0	6.2	170.60	57.9	269.9	519.2	508.8	10.35	50.154		
2,500.0	2,472.5	2,403.1	2,388.0	7.5	6.5	171.30	56.1	283.8	555.7	544.9	10.81	51.386		
2,600.0	2,569.9	2,496.0	2,479.8	7.9	6.8	171.93	54.2	297.8	592.3	581.0	11.28	52.511		
9,100.0	7,752.2	7,717.6	7,582.9	41.3	22.4	-40.96	228.9	874.7	562.3	516.5	45.82	12.272		
9,200.0	7,751.9	7,717.2	7,582.7	43.5	22.4	-40.86	228.6	874.7	471.8	424.6	47.25	9.985		
9,300.0	7,751.5	7,716.8	7,582.5	45.7	22.4	-40.77	228.4	874.7	386.1	337.3	48.73	7.923		
9,400.0	7,751.2	7,716.5	7,582.2	48.1	22.4	-40.67	228.1	874.7	309.0	258.7	50.23	6.151		
9,500.0	7,750.8	7,716.1	7,582.0	50.4	22.4	-40.58	227.8	874.7	248.8	197.0	51.76	4.806		
9,600.0	7,750.5	7,715.7	7,581.8	52.8	22.4	-40.48	227.5	874.7	219.8	166.5	53.32	4.123		
9,617.8	7,750.4	7,715.7	7,581.7	53.3	22.4	-40.46	227.5	874.7	219.1	165.5	53.60	4.088 SF		
9,700.0	7,750.1	7,715.4	7,581.5	55.3	22.4	-40.39	227.3	874.7	234.0	179.1	54.90	4.263		
9,800.0	7,749.8	7,715.0	7,581.3	57.8	22.4	-40.29	227.0	874.7	284.9	228.4	56.49	5.044		
9,900.0	7,749.5	7,714.7	7,581.1	60.3	22.4	-40.20	226.7	874.7	357.2	299.1	58.10	6.149		
10,000.0	7,749.1	7,714.3	7,580.8	62.8	22.4	-40.10	226.4	874.7	440.5	380.8	59.72	7.377		
10,100.0	7,748.8	7,713.9	7,580.6	65.3	22.4	-40.01	226.2	874.7	529.6	468.3	61.34	8.633		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	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
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	-159.96	-42.2	-15.4	45.0					
100.0	100.0	99.0	99.0	0.1	0.1	-159.96	-42.2	-15.4	45.0	44.7	0.22	201.091		
200.0	200.0	199.0	199.0	0.3	0.3	-159.96	-42.2	-15.4	45.0	44.3	0.67	66.919		
300.0	300.0	299.0	299.0	0.6	0.6	-159.96	-42.2	-15.4	45.0	43.9	1.12	40.098		
400.0	400.0	399.0	399.0	0.8	0.8	-159.96	-42.2	-15.4	45.0	43.4	1.57	28.625 CC, ES		
500.0	500.0	497.9	497.9	1.0	1.0	-158.48	-42.9	-16.9	46.2	44.2	2.00	23.080		
600.0	600.0	596.5	596.4	1.2	1.2	-154.44	-45.0	-21.5	50.0	47.6	2.43	20.600		
700.0	700.0	694.7	694.2	1.5	1.4	-148.98	-48.5	-29.2	56.8	54.0	2.87	19.785		
800.0	800.0	792.2	791.0	1.7	1.7	-143.30	-53.4	-39.8	67.1	63.7	3.35	20.035		
900.0	900.0	888.8	886.4	1.9	2.0	-138.19	-59.5	-53.2	80.9	77.0	3.86	20.945		
1,000.0	1,000.0	984.2	980.2	2.1	2.3	-133.96	-66.9	-69.4	98.2	93.8	4.42	22.230		
1,100.0	1,100.0	1,082.0	1,075.9	2.3	2.7	-45.50	-75.3	-87.7	116.7	112.0	4.69	24.861		
1,200.0	1,199.8	1,180.7	1,172.4	2.6	3.1	-44.35	-83.8	-106.2	132.9	127.8	5.14	25.870		
1,300.0	1,299.5	1,279.7	1,269.3	2.8	3.5	-44.39	-92.2	-124.8	146.6	141.0	5.60	26.180		
1,400.0	1,398.7	1,379.0	1,366.5	3.0	4.0	-45.32	-100.8	-143.4	157.9	151.8	6.09	25.920		
1,500.0	1,497.5	1,478.5	1,463.8	3.3	4.4	-47.00	-109.3	-162.1	166.9	160.3	6.62	25.204		
1,600.0	1,595.6	1,578.0	1,561.2	3.6	4.9	-49.39	-117.8	-180.7	173.7	166.5	7.21	24.100		
1,700.0	1,693.1	1,677.4	1,658.5	4.0	5.3	-52.41	-126.3	-199.4	179.0	171.1	7.88	22.725		
1,800.0	1,790.6	1,776.8	1,755.7	4.4	5.8	-55.42	-134.8	-218.0	184.4	175.8	8.60	21.433		
1,900.0	1,888.0	1,876.2	1,853.0	4.8	6.2	-58.25	-143.4	-236.7	190.3	181.0	9.38	20.295		
2,000.0	1,985.4	1,975.6	1,950.2	5.2	6.7	-60.90	-151.9	-255.3	196.7	186.5	10.19	19.298		
2,100.0	2,082.8	2,075.0	2,047.5	5.6	7.1	-63.38	-160.4	-273.9	203.5	192.4	11.04	18.429		
2,200.0	2,180.2	2,174.4	2,144.8	6.1	7.6	-65.70	-168.9	-292.6	210.6	198.7	11.91	17.673		
2,300.0	2,277.6	2,273.8	2,242.0	6.5	8.0	-67.87	-177.4	-311.2	218.0	205.2	12.81	17.017		
2,400.0	2,375.1	2,373.2	2,339.3	7.0	8.5	-69.89	-186.0	-329.8	225.7	212.0	13.73	16.446		
2,500.0	2,472.5	2,472.5	2,436.5	7.5	8.9	-71.78	-194.5	-348.5	233.7	219.1	14.65	15.950		
2,600.0	2,569.9	2,571.9	2,533.8	7.9	9.4	-73.54	-203.0	-367.1	242.0	226.4	15.59	15.517		
2,700.0	2,667.3	2,671.3	2,631.0	8.4	9.8	-75.18	-211.5	-385.8	250.4	233.9	16.54	15.138		
2,800.0	2,764.7	2,770.7	2,728.3	8.9	10.3	-76.72	-220.0	-404.4	259.1	241.6	17.50	14.806		
2,900.0	2,862.1	2,870.1	2,825.6	9.3	10.7	-78.16	-228.6	-423.0	267.9	249.4	18.45	14.515		
3,000.0	2,959.5	2,969.5	2,922.8	9.8	11.2	-79.50	-237.1	-441.7	276.8	257.4	19.42	14.257		
3,100.0	3,057.0	3,068.9	3,020.1	10.3	11.7	-80.76	-245.6	-460.3	285.9	265.6	20.38	14.030		
3,200.0	3,154.4	3,168.3	3,117.3	10.8	12.1	-81.94	-254.1	-479.0	295.2	273.8	21.35	13.828		
3,300.0	3,251.8	3,267.7	3,214.6	11.3	12.6	-83.05	-262.6	-497.6	304.5	282.2	22.31	13.648		
3,400.0	3,349.2	3,367.1	3,311.8	11.7	13.0	-84.10	-271.1	-516.2	314.0	290.7	23.28	13.488		
3,500.0	3,446.6	3,466.5	3,409.1	12.2	13.5	-85.08	-279.7	-534.9	323.6	299.3	24.25	13.344		
3,600.0	3,544.0	3,565.9	3,506.4	12.7	13.9	-86.01	-288.2	-553.5	333.2	308.0	25.21	13.216		
3,700.0	3,641.4	3,665.3	3,603.6	13.2	14.4	-86.88	-296.7	-572.1	342.9	316.8	26.18	13.100		
3,800.0	3,738.9	3,764.7	3,700.9	13.7	14.9	-87.70	-305.2	-590.8	352.7	325.6	27.14	12.995		
3,900.0	3,836.3	3,864.0	3,798.1	14.2	15.3	-88.49	-313.7	-609.4	362.6	334.5	28.11	12.901		
4,000.0	3,933.7	3,963.4	3,895.4	14.7	15.8	-89.22	-322.3	-628.1	372.6	343.5	29.07	12.815		
4,100.0	4,031.1	4,062.8	3,992.6	15.1	16.2	-89.93	-330.8	-646.7	382.5	352.5	30.03	12.738		
4,200.0	4,128.5	4,162.2	4,089.9	15.6	16.7	-90.59	-339.3	-665.3	392.6	361.6	30.99	12.667		
4,300.0	4,225.9	4,261.6	4,187.2	16.1	17.1	-91.22	-347.8	-684.0	402.7	370.7	31.95	12.602		
4,400.0	4,323.4	4,361.0	4,284.4	16.6	17.6	-91.82	-356.3	-702.6	412.8	379.9	32.91	12.543		
4,500.0	4,420.8	4,460.4	4,381.7	17.1	18.1	-92.40	-364.9	-721.3	423.0	389.2	33.87	12.490		
4,600.0	4,518.2	4,559.8	4,478.9	17.6	18.5	-92.94	-373.4	-739.9	433.3	398.4	34.83	12.440		
4,700.0	4,615.6	4,659.2	4,576.2	18.1	19.0	-93.46	-381.9	-758.5	443.5	407.7	35.78	12.395		
4,800.0	4,713.0	4,758.6	4,673.4	18.6	19.4	-93.96	-390.4	-777.2	453.8	417.1	36.74	12.353		
4,900.0	4,810.4	4,858.0	4,770.7	19.1	19.9	-94.43	-398.9	-795.8	464.2	426.5	37.69	12.315		
5,000.0	4,907.8	4,957.4	4,868.0	19.6	20.4	-94.89	-407.5	-814.4	474.5	435.9	38.64	12.279		
5,100.0	5,005.3	5,056.8	4,965.2	20.0	20.8	-95.32	-416.0	-833.1	484.9	445.3	39.60	12.246		

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-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	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
5,200.0	5,102.7	5,156.1	5,062.5	20.5	21.3	-95.74	-424.5	-851.7	495.3	454.8	40.55	12.216	
5,300.0	5,200.1	5,255.5	5,159.7	21.0	21.7	-96.14	-433.0	-870.4	505.8	464.3	41.50	12.188	
5,400.0	5,297.5	5,354.9	5,257.0	21.5	22.2	-96.52	-441.5	-889.0	516.2	473.8	42.45	12.162	
5,500.0	5,394.9	5,454.3	5,354.2	22.0	22.6	-96.89	-450.0	-907.6	526.7	483.3	43.39	12.138	
5,600.0	5,492.3	5,553.7	5,451.5	22.5	23.1	-97.24	-458.6	-926.3	537.2	492.9	44.34	12.116	
5,700.0	5,589.8	5,653.1	5,548.8	23.0	23.6	-97.58	-467.1	-944.9	547.8	502.5	45.29	12.095	
5,800.0	5,687.2	5,752.5	5,646.0	23.5	24.0	-97.91	-475.6	-963.5	558.3	512.1	46.24	12.075	
5,900.0	5,784.6	5,851.9	5,743.3	24.0	24.5	-98.22	-484.1	-982.2	568.9	521.7	47.18	12.057	
6,000.0	5,882.0	5,951.3	5,840.5	24.5	24.9	-98.53	-492.6	-1,000.8	579.5	531.3	48.13	12.040	
6,100.0	5,979.4	6,050.7	5,937.8	25.0	25.4	-98.82	-501.2	-1,019.5	590.0	541.0	49.07	12.025 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design		Ivey Pad Sec.11-T1S-R68W - Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14)											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		
0.0	0.0	0.0	0.0	0.0	0.0	47.18	84.2	90.8	123.8					
100.0	100.0	98.0	98.0	0.1	0.1	47.18	84.2	90.8	123.8	123.6	0.22	556.383		
200.0	200.0	198.0	198.0	0.3	0.3	47.18	84.2	90.8	123.8	123.1	0.67	184.842		
300.0	300.0	298.0	298.0	0.6	0.6	47.18	84.2	90.8	123.8	122.7	1.12	110.608		
400.0	400.0	398.0	398.0	0.8	0.8	47.18	84.2	90.8	123.8	122.2	1.57	78.915 CC		
500.0	500.0	495.2	495.2	1.0	1.0	47.72	84.0	92.4	124.9	122.9	2.00	62.454		
600.0	600.0	592.2	592.0	1.2	1.2	49.33	83.5	97.2	128.3	125.9	2.43	52.818		
700.0	700.0	688.7	688.2	1.5	1.4	51.83	82.7	105.3	134.3	131.4	2.87	46.751		
800.0	800.0	784.6	783.4	1.7	1.7	54.96	81.7	116.5	143.0	139.6	3.33	42.912		
900.0	900.0	879.6	877.3	1.9	2.0	58.43	80.3	130.7	154.7	150.9	3.82	40.528		
1,000.0	1,000.0	976.1	972.4	2.1	2.3	61.98	78.6	147.8	169.3	165.0	4.34	38.998		
1,100.0	1,100.0	1,074.2	1,068.8	2.3	2.7	150.65	76.9	165.4	186.2	181.4	4.77	39.051		
1,200.0	1,199.8	1,171.4	1,164.4	2.6	3.0	153.68	75.2	182.9	206.7	201.5	5.22	39.604		
1,300.0	1,299.5	1,267.8	1,259.2	2.8	3.4	156.46	73.5	200.2	230.8	225.2	5.66	40.787		
1,400.0	1,398.7	1,363.2	1,353.1	3.0	3.8	158.96	71.8	217.4	258.6	252.5	6.09	42.479		
1,500.0	1,497.5	1,457.5	1,445.8	3.3	4.1	161.15	70.2	234.4	290.0	283.4	6.51	44.537		
1,600.0	1,595.6	1,550.6	1,537.4	3.6	4.5	163.06	68.5	251.1	324.8	317.9	6.92	46.941		
1,700.0	1,693.1	1,642.6	1,627.8	4.0	4.9	164.80	66.9	267.7	362.8	355.5	7.34	49.439		
1,800.0	1,790.6	1,734.3	1,718.0	4.4	5.2	166.33	65.3	284.2	401.5	393.7	7.78	51.611		
1,900.0	1,888.0	1,826.0	1,808.2	4.8	5.6	167.59	63.7	300.7	440.4	432.2	8.23	53.536		
2,000.0	1,985.4	1,917.7	1,898.4	5.2	6.0	168.65	62.1	317.2	479.5	470.8	8.68	55.248		
2,100.0	2,082.8	2,009.5	1,988.7	5.6	6.4	169.55	60.5	333.7	518.6	509.5	9.13	56.776		
2,200.0	2,180.2	2,101.2	2,078.9	6.1	6.7	170.32	58.9	350.2	557.9	548.3	9.59	58.146		
2,300.0	2,277.6	2,192.9	2,169.1	6.5	7.1	170.99	57.3	366.7	597.2	587.2	10.06	59.378		
9,400.0	7,751.2	7,800.0	7,642.3	48.1	27.0	-45.71	191.8	1,203.3	566.7	509.7	57.05	9.934		
9,500.0	7,750.8	7,800.0	7,642.3	50.4	27.0	-45.71	191.8	1,203.3	471.0	412.3	58.79	8.012		
9,600.0	7,750.5	7,800.0	7,642.3	52.8	27.0	-45.71	191.8	1,203.3	377.6	317.1	60.56	6.235		
9,700.0	7,750.1	7,800.0	7,642.3	55.3	27.0	-45.71	191.8	1,203.3	288.7	226.3	62.37	4.628		
9,800.0	7,749.8	7,800.0	7,642.3	57.8	27.0	-45.71	191.8	1,203.3	209.9	145.7	64.19	3.269		
9,900.0	7,749.5	7,800.0	7,642.3	60.3	27.0	-45.71	191.8	1,203.3	157.4	91.3	66.04	2.383		
9,946.4	7,749.3	7,800.0	7,642.3	61.4	27.0	-45.71	191.8	1,203.3	150.4	83.5	66.91	2.247 ES, SF		
10,000.0	7,749.1	7,800.0	7,642.3	62.8	27.0	-45.71	191.8	1,203.3	159.6	91.7	67.91	2.351		
10,100.0	7,748.8	7,800.0	7,642.3	65.3	27.0	-45.71	191.8	1,203.3	214.9	145.2	69.79	3.080		
10,200.0	7,748.4	7,800.0	7,642.3	67.9	27.0	-45.71	191.8	1,203.3	294.8	223.1	71.69	4.113		
10,300.0	7,748.1	7,800.0	7,642.3	70.5	27.0	-45.71	191.8	1,203.3	384.2	310.6	73.60	5.221		
10,400.0	7,747.7	7,800.0	7,642.3	73.1	27.0	-45.71	191.8	1,203.3	477.9	402.4	75.52	6.327		
10,500.0	7,747.4	7,795.4	7,639.1	75.7	27.0	-43.97	188.6	1,203.3	573.6	498.1	75.59	7.589		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

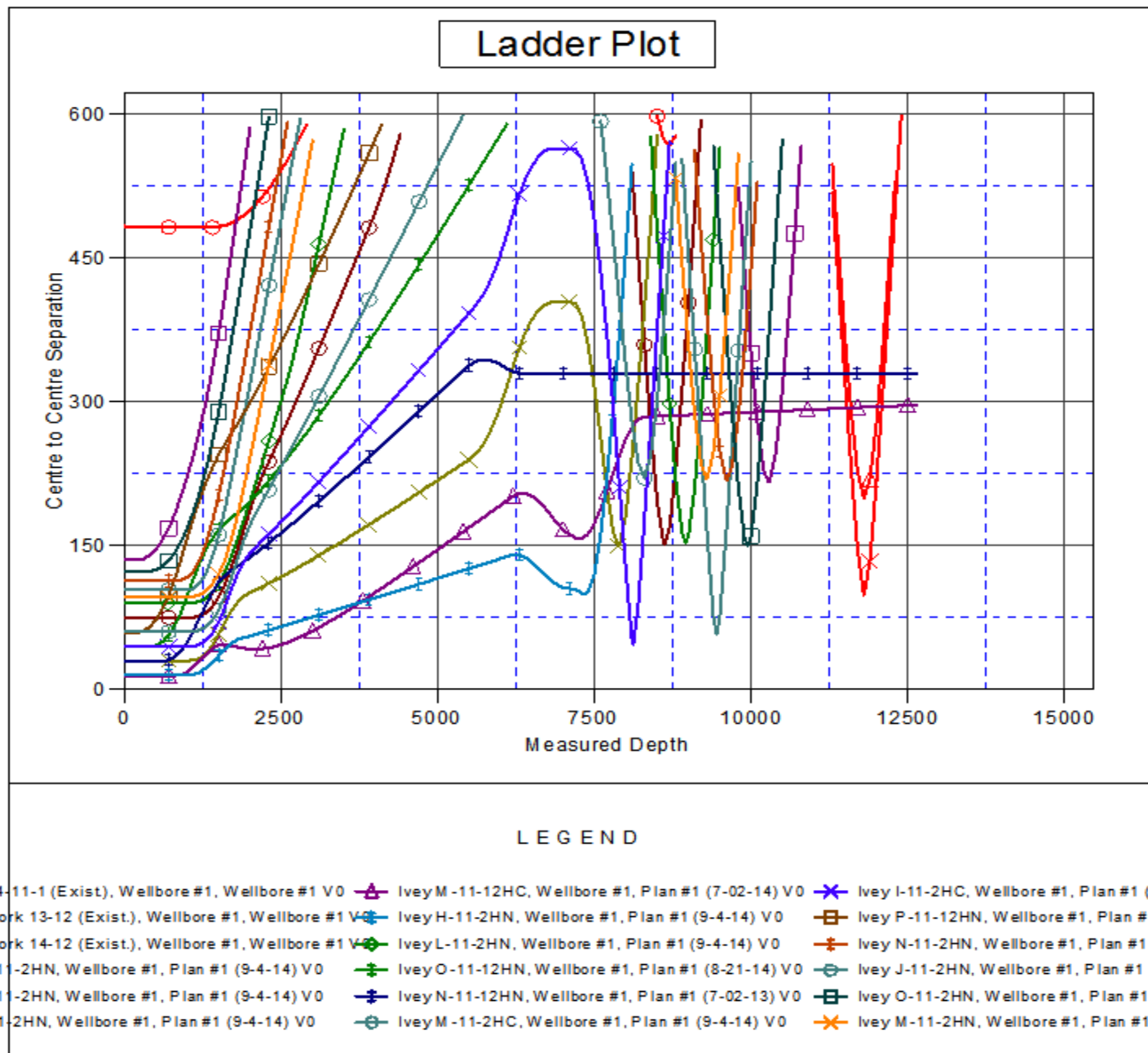
Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis			Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	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	
0.0	0.0	0.0	0.0	0.0	0.0	-159.71	-56.1	-20.7	59.8					
100.0	100.0	99.0	99.0	0.1	0.1	-159.71	-56.1	-20.7	59.8	59.6	0.22	267.420		
200.0	200.0	199.0	199.0	0.3	0.3	-159.71	-56.1	-20.7	59.8	59.1	0.67	88.992 CC, ES		
300.0	300.0	297.3	297.2	0.6	0.5	-158.86	-57.1	-22.1	61.2	60.1	1.10	55.627		
400.0	400.0	395.3	395.1	0.8	0.8	-156.50	-60.0	-26.1	65.6	64.0	1.54	42.714		
500.0	500.0	492.9	492.3	1.0	1.0	-153.22	-65.0	-32.8	73.1	71.1	2.00	36.608		
600.0	600.0	589.7	588.5	1.2	1.3	-149.63	-71.8	-42.1	83.8	81.4	2.49	33.677		
700.0	700.0	685.7	683.4	1.5	1.6	-146.20	-80.4	-53.8	98.0	95.0	3.02	32.418		
800.0	800.0	780.7	776.7	1.7	1.9	-143.19	-90.8	-68.0	115.6	112.0	3.60	32.082		
900.0	900.0	874.8	868.6	1.9	2.4	-140.63	-102.9	-84.5	136.6	132.4	4.23	32.284		
1,000.0	1,000.0	972.2	963.4	2.1	2.8	-138.59	-116.2	-102.4	158.9	154.0	4.91	32.400		
1,100.0	1,100.0	1,069.8	1,058.4	2.3	3.3	-51.66	-129.4	-120.5	180.4	175.6	4.79	37.669		
1,200.0	1,199.8	1,167.9	1,153.9	2.6	3.8	-51.29	-142.8	-138.6	199.7	194.5	5.25	38.059		
1,300.0	1,299.5	1,266.4	1,249.7	2.8	4.2	-51.69	-156.1	-156.8	216.9	211.2	5.73	37.868		
1,400.0	1,398.7	1,365.1	1,345.8	3.0	4.7	-52.71	-169.5	-175.0	232.1	225.8	6.24	37.198		
1,500.0	1,497.5	1,463.9	1,442.0	3.3	5.2	-54.27	-183.0	-193.3	245.3	238.5	6.79	36.120		
1,600.0	1,595.6	1,562.8	1,538.2	3.6	5.7	-56.30	-196.4	-211.5	256.8	249.4	7.40	34.701		
1,700.0	1,693.1	1,661.5	1,634.4	4.0	6.2	-58.80	-209.8	-229.8	267.0	259.0	8.08	33.030		
1,800.0	1,790.6	1,760.3	1,730.5	4.4	6.7	-61.29	-223.2	-248.0	277.6	268.7	8.82	31.453		
1,900.0	1,888.0	1,859.0	1,826.6	4.8	7.2	-63.59	-236.6	-266.2	288.6	279.0	9.61	30.043		
2,000.0	1,985.4	1,957.8	1,922.7	5.2	7.7	-65.72	-250.0	-284.5	300.0	289.6	10.42	28.794		
2,100.0	2,082.8	2,056.5	2,018.8	5.6	8.1	-67.70	-263.4	-302.7	311.8	300.6	11.26	27.690		
2,200.0	2,180.2	2,155.2	2,114.9	6.1	8.6	-69.53	-276.9	-321.0	324.0	311.9	12.13	26.717		
2,300.0	2,277.6	2,254.0	2,211.0	6.5	9.1	-71.23	-290.3	-339.2	336.5	323.5	13.01	25.860		
2,400.0	2,375.1	2,352.7	2,307.1	7.0	9.6	-72.80	-303.7	-357.4	349.2	335.3	13.91	25.103		
2,500.0	2,472.5	2,451.4	2,403.2	7.5	10.1	-74.27	-317.1	-375.7	362.2	347.4	14.82	24.435		
2,600.0	2,569.9	2,550.2	2,499.3	7.9	10.6	-75.63	-330.5	-393.9	375.4	359.7	15.75	23.842		
2,700.0	2,667.3	2,648.9	2,595.5	8.4	11.1	-76.90	-343.9	-412.2	388.8	372.2	16.68	23.316		
2,800.0	2,764.7	2,747.7	2,691.6	8.9	11.6	-78.09	-357.3	-430.4	402.4	384.8	17.61	22.846		
2,900.0	2,862.1	2,846.4	2,787.7	9.3	12.1	-79.19	-370.7	-448.6	416.2	397.6	18.56	22.426		
3,000.0	2,959.5	2,945.1	2,883.8	9.8	12.6	-80.23	-384.1	-466.9	430.0	410.5	19.50	22.049		
3,100.0	3,057.0	3,043.9	2,979.9	10.3	13.1	-81.20	-397.5	-485.1	444.1	423.6	20.45	21.710		
3,200.0	3,154.4	3,142.6	3,076.0	10.8	13.6	-82.12	-411.0	-503.3	458.2	436.8	21.41	21.404		
3,300.0	3,251.8	3,241.4	3,172.1	11.3	14.1	-82.98	-424.4	-521.6	472.4	450.1	22.36	21.127		
3,400.0	3,349.2	3,340.1	3,268.2	11.7	14.6	-83.79	-437.8	-539.8	486.8	463.5	23.32	20.875		
3,500.0	3,446.6	3,438.8	3,364.3	12.2	15.1	-84.55	-451.2	-558.1	501.2	476.9	24.28	20.645		
3,600.0	3,544.0	3,537.6	3,460.4	12.7	15.6	-85.27	-464.6	-576.3	515.7	490.5	25.24	20.436		
3,700.0	3,641.4	3,636.3	3,556.5	13.2	16.1	-85.95	-478.0	-594.5	530.3	504.1	26.20	20.244		
3,800.0	3,738.9	3,735.0	3,652.6	13.7	16.6	-86.59	-491.4	-612.8	545.0	517.8	27.16	20.067		
3,900.0	3,836.3	3,833.8	3,748.8	14.2	17.0	-87.20	-504.8	-631.0	559.7	531.6	28.12	19.905		
4,000.0	3,933.7	3,932.5	3,844.9	14.7	17.5	-87.78	-518.2	-649.2	574.5	545.4	29.08	19.756		
4,100.0	4,031.1	4,031.3	3,941.0	15.1	18.0	-88.33	-531.6	-667.5	589.3	559.3	30.04	19.617 SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey M-11-12HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5130.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5130.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey P-11-2HN - Wellbore #1 - Plan #1 (9-4-14)												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
0.0	0.0	0.0	0.0	0.0	0.0	51.54	84.2	105.9	135.3				
100.0	100.0	98.0	98.0	0.1	0.1	51.54	84.2	105.9	135.3	135.1	0.22	608.015	
200.0	200.0	198.0	198.0	0.3	0.3	51.54	84.2	105.9	135.3	134.6	0.67	201.995 CC, ES	
300.0	300.0	294.7	294.7	0.6	0.5	51.98	84.0	107.5	136.5	135.4	1.10	123.868	
400.0	400.0	391.1	390.9	0.8	0.8	53.31	83.7	112.3	140.2	138.7	1.54	91.076	
500.0	500.0	487.1	486.6	1.0	1.0	55.37	83.1	120.3	146.6	144.6	1.99	73.561	
600.0	600.0	582.4	581.3	1.2	1.3	57.96	82.2	131.3	155.9	153.4	2.47	63.163	
700.0	700.0	676.9	674.7	1.5	1.6	60.84	81.1	145.4	168.2	165.2	2.97	56.591	
800.0	800.0	770.3	766.6	1.7	1.9	63.81	79.8	162.4	183.6	180.1	3.51	52.274	
900.0	900.0	862.6	856.7	1.9	2.3	66.71	78.3	182.0	202.4	198.3	4.10	49.425	
1,000.0	1,000.0	959.6	951.1	2.1	2.8	69.44	76.6	204.3	223.2	218.5	4.74	47.098	
1,100.0	1,100.0	1,056.4	1,045.3	2.3	3.2	157.17	74.9	226.6	246.0	241.1	4.91	50.053	
1,200.0	1,199.8	1,152.4	1,138.7	2.6	3.7	159.25	73.2	248.7	272.3	266.9	5.37	50.700	
1,300.0	1,299.5	1,247.3	1,231.0	2.8	4.1	161.15	71.6	270.5	302.1	296.3	5.81	51.960	
1,400.0	1,398.7	1,341.1	1,322.2	3.0	4.6	162.84	69.9	292.1	335.4	329.1	6.25	53.696	
1,500.0	1,497.5	1,433.5	1,412.2	3.3	5.1	164.34	68.3	313.4	372.1	365.4	6.66	55.829	
1,600.0	1,595.6	1,524.6	1,500.9	3.6	5.5	165.66	66.7	334.4	412.1	405.1	7.07	58.270	
1,700.0	1,693.1	1,614.4	1,588.2	4.0	5.9	166.90	65.1	355.1	455.2	447.7	7.49	60.760	
1,800.0	1,790.6	1,704.0	1,675.4	4.4	6.4	168.05	63.5	375.7	498.8	490.9	7.93	62.863	
1,900.0	1,888.0	1,793.6	1,762.5	4.8	6.8	169.01	62.0	396.3	542.6	534.2	8.38	64.708	
2,000.0	1,985.4	1,883.1	1,849.7	5.2	7.3	169.83	60.4	416.9	586.4	577.6	8.84	66.335	
9,800.0	7,749.8	7,817.2	7,582.2	57.8	32.1	-40.86	224.9	1,533.2	523.3	460.2	63.16	8.285	
9,900.0	7,749.5	7,817.0	7,582.1	60.3	32.1	-40.81	224.8	1,533.2	434.3	369.5	64.83	6.700	
10,000.0	7,749.1	7,816.8	7,582.0	62.8	32.1	-40.77	224.7	1,533.2	351.2	284.7	66.50	5.281	
10,100.0	7,748.8	7,816.6	7,581.9	65.3	32.1	-40.72	224.6	1,533.2	279.4	211.3	68.19	4.098	
10,200.0	7,748.4	7,816.5	7,581.7	67.9	32.1	-40.67	224.4	1,533.2	229.8	159.9	69.89	3.288	
10,276.3	7,748.2	7,816.3	7,581.7	69.9	32.1	-40.64	224.3	1,533.2	216.8	145.6	71.20	3.045 SF	
10,300.0	7,748.1	7,816.3	7,581.6	70.5	32.1	-40.63	224.3	1,533.2	218.1	146.5	71.60	3.046	
10,400.0	7,747.7	7,816.1	7,581.5	73.1	32.1	-40.58	224.2	1,533.2	249.6	176.3	73.32	3.404	
10,500.0	7,747.4	7,816.0	7,581.4	75.7	32.1	-40.54	224.0	1,533.2	311.5	236.5	75.04	4.151	
10,600.0	7,747.0	7,815.8	7,581.3	78.4	32.1	-40.49	223.9	1,533.2	389.6	312.8	76.77	5.074	
10,700.0	7,746.7	7,815.6	7,581.2	81.0	32.1	-40.45	223.8	1,533.2	475.9	397.4	78.51	6.062	
10,800.0	7,746.4	7,815.4	7,581.1	83.7	32.1	-40.40	223.6	1,533.2	566.8	486.5	80.25	7.063	

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Reference Well:	Ivey M-11-12HN	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 (9-4-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5130.5ft (Original Well Elev) Coordinates are relative to: Ivey M-11-12HN
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.35°



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