

Bayswater Exploration & Production, LLC

Well Name: **Ivey I-11-2HC**

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

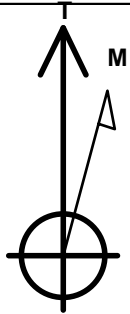
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 5108.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1234240.58	3149789.90	39.975135	-104.965521	
Original Well Elev WELL @ 5130.5ft (Original Well Elev)						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1134'FSL, 1709'FEL, SEC.11	1.0	0.0	0.0	Point
BHL 465'FNL, 2335'FEL, SEC.2	7987.0	8711.5	-598.7	Point
LANDING PT. 1785'FSL, 2335'FEL, SEC.11	7987.0	652.8	-625.8	Point



Azimuths to True North
Magnetic North: 8.52°

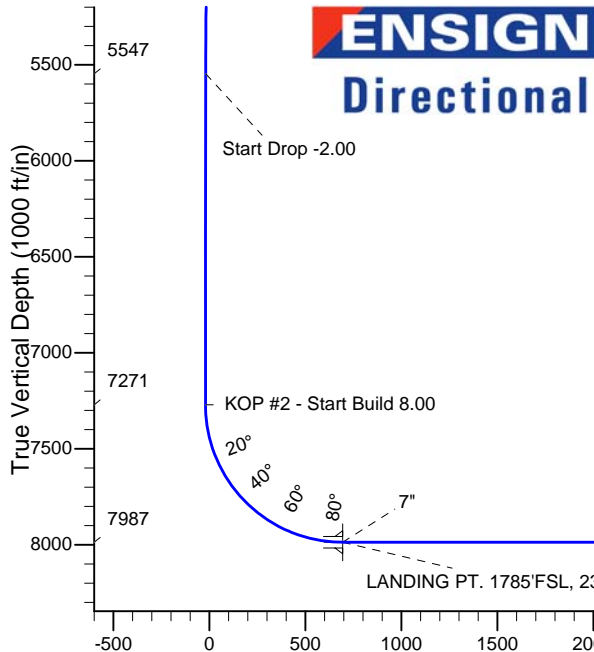
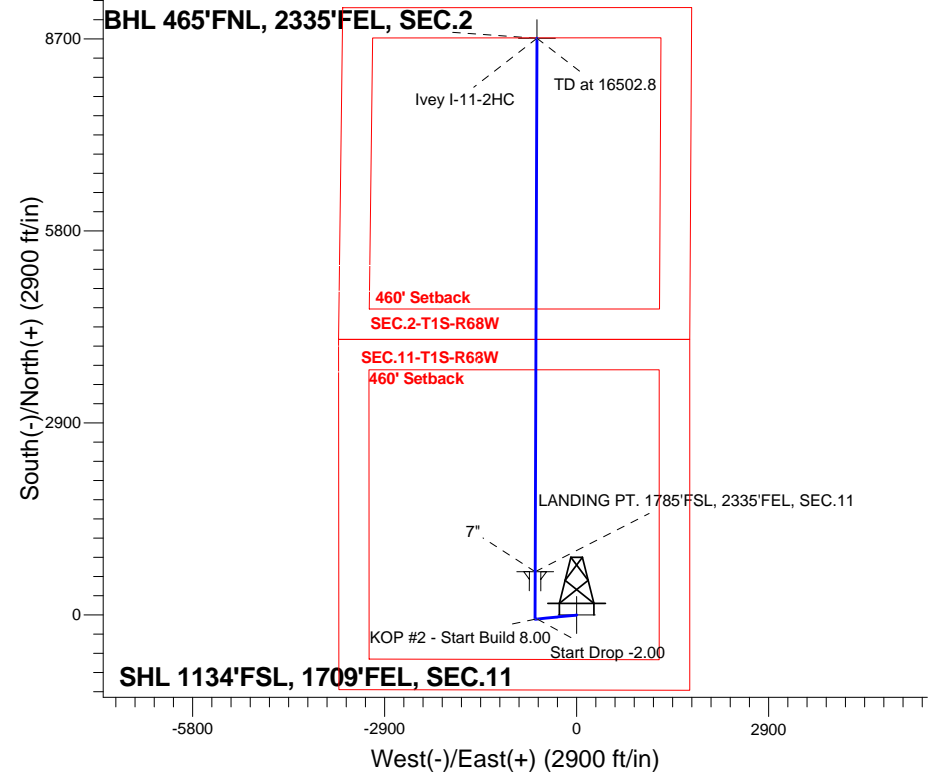
Magnetic Field
Strength: 52560.9nT
Dip Angle: 66.57°
Date: 7/10/2014
Model: IGRF2010

Ivey Pad Sec.11-T1S-R68W
Ivey I-11-2HC
Plan #1 (9-4-14)

ANNOTATIONS

TVD	MD	Annotation
1600.0	1600.0	KOP - Start Build 2.00
5547.2	5593.6	Start Drop -2.00
7271.0	7319.3	KOP #2 - Start Build 8.00
7987.0	16502.8	TD at 16502.8

BHL 465'FNL, 2335'FEL, SEC.2



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	1600.0	0.00	0.00	1600.0	0.0	0.0	0.00	0.00	0.0	
3	2054.7	9.09	264.26	2052.8	-3.6	-35.8	2.00	264.26	-1.1	
4	5593.6	9.09	264.26	5547.2	-59.6	-592.4	0.00	0.00	-18.8	
5	6048.3	0.00	0.00	6000.0	-63.2	-628.2	2.00	180.00	-20.0	
6	7319.3	0.00	0.00	7271.0	-63.2	-628.2	0.00	0.00	-20.0	
7	8444.0	90.00	0.19	7987.0	652.8	-625.8	8.00	0.19	694.2	
8	8444.0	90.00	0.19	7987.0	652.8	-625.8	0.00	0.00	694.2	LANDING PT. 1785'FSL, 2335'FEL, SEC.11
9	8476.5	90.00	0.19	7987.0	685.3	-625.7	0.01	90.00	726.6	
10	16502.8	90.00	0.19	7987.0	8711.5	-598.7	0.00	0.00	8732.1	BHL 465'FNL, 2335'FEL, SEC.2

BHL 465'FNL, 2335'FEL, SEC.2

TD at 16502.8

Vertical Section at 356.07° (1000 ft/in)



Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey I-11-2HC

Wellbore #1

Plan: Plan #1 (9-4-14)

Standard Planning Report

05 September, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	landmark	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (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:			3,149,805.06 ft			Longitude:			-104.965466		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.35 °		

Well	Ivey I-11-2HC					
Well Position	+N/-S	-42.6 ft	Northing:	1,234,240.58 ft	Latitude:	39.975135
	+E/-W	-15.4 ft	Easting:	3,149,789.90 ft	Longitude:	-104.965521
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 #1 (9-4-17)			
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	356.07

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	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,054.7	9.09	264.26	2,052.8	-3.6	-35.8	2.00	2.00	0.00	264.26	
5,593.6	9.09	264.26	5,547.2	-59.6	-592.4	0.00	0.00	0.00	0.00	
6,048.3	0.00	0.00	6,000.0	-63.2	-628.2	2.00	-2.00	0.00	180.00	
7,319.3	0.00	0.00	7,271.0	-63.2	-628.2	0.00	0.00	0.00	0.00	
8,444.0	90.00	0.19	7,987.0	652.8	-625.8	8.00	8.00	0.00	0.19	
8,444.0	90.00	0.19	7,987.0	652.8	-625.8	0.00	0.00	0.00	0.00	LANDING PT. 1785
8,476.5	90.00	0.19	7,987.0	685.3	-625.7	0.01	0.00	0.01	90.00	
16,502.8	90.00	0.19	7,987.0	8,711.5	-598.7	0.00	0.00	0.00	0.00	BHL 465'FNL, 2335

Database:	landmark	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (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
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.00									
1,700.0	2.00	264.26	1,700.0	-0.2	-1.7	-0.1	2.00	2.00	0.00
1,800.0	4.00	264.26	1,799.8	-0.7	-6.9	-0.2	2.00	2.00	0.00
1,900.0	6.00	264.26	1,899.5	-1.6	-15.6	-0.5	2.00	2.00	0.00
2,000.0	8.00	264.26	1,998.7	-2.8	-27.7	-0.9	2.00	2.00	0.00
2,054.7	9.09	264.26	2,052.8	-3.6	-35.8	-1.1	2.00	2.00	0.00
2,100.0	9.09	264.26	2,097.5	-4.3	-43.0	-1.4	0.00	0.00	0.00
2,200.0	9.09	264.26	2,196.3	-5.9	-58.7	-1.9	0.00	0.00	0.00
2,300.0	9.09	264.26	2,295.0	-7.5	-74.4	-2.4	0.00	0.00	0.00
2,400.0	9.09	264.26	2,393.8	-9.1	-90.1	-2.9	0.00	0.00	0.00
2,500.0	9.09	264.26	2,492.5	-10.6	-105.9	-3.4	0.00	0.00	0.00
2,600.0	9.09	264.26	2,591.2	-12.2	-121.6	-3.9	0.00	0.00	0.00
2,700.0	9.09	264.26	2,690.0	-13.8	-137.3	-4.4	0.00	0.00	0.00
2,800.0	9.09	264.26	2,788.7	-15.4	-153.0	-4.9	0.00	0.00	0.00
2,900.0	9.09	264.26	2,887.5	-17.0	-168.8	-5.4	0.00	0.00	0.00
3,000.0	9.09	264.26	2,986.2	-18.6	-184.5	-5.9	0.00	0.00	0.00
3,100.0	9.09	264.26	3,085.0	-20.1	-200.2	-6.4	0.00	0.00	0.00
3,200.0	9.09	264.26	3,183.7	-21.7	-215.9	-6.9	0.00	0.00	0.00
3,300.0	9.09	264.26	3,282.4	-23.3	-231.7	-7.4	0.00	0.00	0.00
3,400.0	9.09	264.26	3,381.2	-24.9	-247.4	-7.9	0.00	0.00	0.00
3,500.0	9.09	264.26	3,479.9	-26.5	-263.1	-8.4	0.00	0.00	0.00
3,600.0	9.09	264.26	3,578.7	-28.1	-278.8	-8.9	0.00	0.00	0.00
3,700.0	9.09	264.26	3,677.4	-29.6	-294.6	-9.4	0.00	0.00	0.00
3,800.0	9.09	264.26	3,776.2	-31.2	-310.3	-9.9	0.00	0.00	0.00
3,900.0	9.09	264.26	3,874.9	-32.8	-326.0	-10.4	0.00	0.00	0.00
4,000.0	9.09	264.26	3,973.6	-34.4	-341.8	-10.9	0.00	0.00	0.00
4,100.0	9.09	264.26	4,072.4	-36.0	-357.5	-11.4	0.00	0.00	0.00
4,200.0	9.09	264.26	4,171.1	-37.5	-373.2	-11.9	0.00	0.00	0.00
4,300.0	9.09	264.26	4,269.9	-39.1	-388.9	-12.4	0.00	0.00	0.00
4,400.0	9.09	264.26	4,368.6	-40.7	-404.7	-12.9	0.00	0.00	0.00
4,500.0	9.09	264.26	4,467.4	-42.3	-420.4	-13.4	0.00	0.00	0.00
4,600.0	9.09	264.26	4,566.1	-43.9	-436.1	-13.9	0.00	0.00	0.00
4,700.0	9.09	264.26	4,664.8	-45.5	-451.8	-14.4	0.00	0.00	0.00
4,800.0	9.09	264.26	4,763.6	-47.0	-467.6	-14.9	0.00	0.00	0.00
4,900.0	9.09	264.26	4,862.3	-48.6	-483.3	-15.4	0.00	0.00	0.00
5,000.0	9.09	264.26	4,961.1	-50.2	-499.0	-15.9	0.00	0.00	0.00
5,100.0	9.09	264.26	5,059.8	-51.8	-514.7	-16.4	0.00	0.00	0.00

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Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey I-11-2HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (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	9.09	264.26	5,158.6	-53.4	-530.5	-16.9	0.00	0.00	0.00
5,300.0	9.09	264.26	5,257.3	-55.0	-546.2	-17.4	0.00	0.00	0.00
5,400.0	9.09	264.26	5,356.0	-56.5	-561.9	-17.9	0.00	0.00	0.00
5,500.0	9.09	264.26	5,454.8	-58.1	-577.7	-18.4	0.00	0.00	0.00
5,593.6	9.09	264.26	5,547.2	-59.6	-592.4	-18.8	0.00	0.00	0.00
Start Drop -2.00									
5,600.0	8.97	264.26	5,553.5	-59.7	-593.4	-18.9	2.00	-2.00	0.00
5,700.0	6.97	264.26	5,652.6	-61.1	-607.2	-19.3	2.00	-2.00	0.00
5,800.0	4.97	264.26	5,752.0	-62.1	-617.5	-19.6	2.00	-2.00	0.00
5,900.0	2.97	264.26	5,851.8	-62.8	-624.4	-19.9	2.00	-2.00	0.00
6,000.0	0.97	264.26	5,951.7	-63.2	-627.8	-20.0	2.00	-2.00	0.00
6,048.3	0.00	0.00	6,000.0	-63.2	-628.2	-20.0	2.00	-2.00	0.00
6,100.0	0.00	0.00	6,051.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,151.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,251.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,351.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,451.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,551.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,651.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,751.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,851.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,951.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,051.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,151.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,251.7	-63.2	-628.2	-20.0	0.00	0.00	0.00
7,319.3	0.00	0.00	7,271.0	-63.2	-628.2	-20.0	0.00	0.00	0.00
KOP #2 - Start Build 8.00									
7,400.0	6.46	0.19	7,351.5	-58.7	-628.2	-15.4	8.00	8.00	0.00
7,500.0	14.46	0.19	7,449.8	-40.5	-628.1	2.6	8.00	8.00	0.00
7,600.0	22.46	0.19	7,544.6	-8.9	-628.0	34.2	8.00	8.00	0.00
7,700.0	30.47	0.19	7,634.0	35.7	-627.9	78.6	8.00	8.00	0.00
7,800.0	38.47	0.19	7,716.4	92.2	-627.7	135.0	8.00	8.00	0.00
7,900.0	46.47	0.19	7,790.1	159.7	-627.5	202.3	8.00	8.00	0.00
8,000.0	54.47	0.19	7,853.7	236.7	-627.2	279.2	8.00	8.00	0.00
8,100.0	62.47	0.19	7,905.9	321.9	-626.9	364.1	8.00	8.00	0.00
8,200.0	70.48	0.19	7,945.8	413.5	-626.6	455.5	8.00	8.00	0.00
8,300.0	78.48	0.19	7,972.6	509.8	-626.3	551.5	8.00	8.00	0.00
8,400.0	86.48	0.19	7,985.6	608.8	-626.0	650.3	8.00	8.00	0.00
8,444.0	90.00	0.19	7,987.0	652.8	-625.8	694.2	8.00	8.00	0.00
7"									
8,476.5	90.00	0.19	7,987.0	685.3	-625.7	726.6	0.01	0.00	0.01
8,500.0	90.00	0.19	7,987.0	708.8	-625.6	750.0	0.00	0.00	0.00
8,600.0	90.00	0.19	7,987.0	808.8	-625.3	849.8	0.00	0.00	0.00
8,700.0	90.00	0.19	7,987.0	908.8	-625.0	949.5	0.00	0.00	0.00
8,800.0	90.00	0.19	7,987.0	1,008.8	-624.6	1,049.3	0.00	0.00	0.00
8,900.0	90.00	0.19	7,987.0	1,108.8	-624.3	1,149.0	0.00	0.00	0.00
9,000.0	90.00	0.19	7,987.0	1,208.8	-623.9	1,248.7	0.00	0.00	0.00
9,100.0	90.00	0.19	7,987.0	1,308.8	-623.6	1,348.5	0.00	0.00	0.00
9,200.0	90.00	0.19	7,987.0	1,408.8	-623.3	1,448.2	0.00	0.00	0.00
9,300.0	90.00	0.19	7,987.0	1,508.8	-622.9	1,548.0	0.00	0.00	0.00
9,400.0	90.00	0.19	7,987.0	1,608.8	-622.6	1,647.7	0.00	0.00	0.00
9,500.0	90.00	0.19	7,987.0	1,708.8	-622.3	1,747.5	0.00	0.00	0.00
9,600.0	90.00	0.19	7,987.0	1,808.8	-621.9	1,847.2	0.00	0.00	0.00

Database:	landmark	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (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	90.00	0.19	7,987.0	1,908.8	-621.6	1,946.9	0.00	0.00	0.00
9,800.0	90.00	0.19	7,987.0	2,008.8	-621.3	2,046.7	0.00	0.00	0.00
9,900.0	90.00	0.19	7,987.0	2,108.8	-620.9	2,146.4	0.00	0.00	0.00
10,000.0	90.00	0.19	7,987.0	2,208.8	-620.6	2,246.2	0.00	0.00	0.00
10,100.0	90.00	0.19	7,987.0	2,308.8	-620.2	2,345.9	0.00	0.00	0.00
10,200.0	90.00	0.19	7,987.0	2,408.8	-619.9	2,445.6	0.00	0.00	0.00
10,300.0	90.00	0.19	7,987.0	2,508.8	-619.6	2,545.4	0.00	0.00	0.00
10,400.0	90.00	0.19	7,987.0	2,608.8	-619.2	2,645.1	0.00	0.00	0.00
10,500.0	90.00	0.19	7,987.0	2,708.8	-618.9	2,744.9	0.00	0.00	0.00
10,600.0	90.00	0.19	7,987.0	2,808.8	-618.6	2,844.6	0.00	0.00	0.00
10,700.0	90.00	0.19	7,987.0	2,908.8	-618.2	2,944.3	0.00	0.00	0.00
10,800.0	90.00	0.19	7,987.0	3,008.8	-617.9	3,044.1	0.00	0.00	0.00
10,900.0	90.00	0.19	7,987.0	3,108.8	-617.6	3,143.8	0.00	0.00	0.00
11,000.0	90.00	0.19	7,987.0	3,208.8	-617.2	3,243.6	0.00	0.00	0.00
11,100.0	90.00	0.19	7,987.0	3,308.8	-616.9	3,343.3	0.00	0.00	0.00
11,200.0	90.00	0.19	7,987.0	3,408.8	-616.5	3,443.1	0.00	0.00	0.00
11,300.0	90.00	0.19	7,987.0	3,508.8	-616.2	3,542.8	0.00	0.00	0.00
11,400.0	90.00	0.19	7,987.0	3,608.8	-615.9	3,642.5	0.00	0.00	0.00
11,500.0	90.00	0.19	7,987.0	3,708.8	-615.5	3,742.3	0.00	0.00	0.00
11,600.0	90.00	0.19	7,987.0	3,808.8	-615.2	3,842.0	0.00	0.00	0.00
11,700.0	90.00	0.19	7,987.0	3,908.8	-614.9	3,941.8	0.00	0.00	0.00
11,800.0	90.00	0.19	7,987.0	4,008.8	-614.5	4,041.5	0.00	0.00	0.00
11,900.0	90.00	0.19	7,987.0	4,108.8	-614.2	4,141.2	0.00	0.00	0.00
12,000.0	90.00	0.19	7,987.0	4,208.8	-613.9	4,241.0	0.00	0.00	0.00
12,100.0	90.00	0.19	7,987.0	4,308.8	-613.5	4,340.7	0.00	0.00	0.00
12,200.0	90.00	0.19	7,987.0	4,408.8	-613.2	4,440.5	0.00	0.00	0.00
12,300.0	90.00	0.19	7,987.0	4,508.8	-612.8	4,540.2	0.00	0.00	0.00
12,400.0	90.00	0.19	7,987.0	4,608.8	-612.5	4,639.9	0.00	0.00	0.00
12,500.0	90.00	0.19	7,987.0	4,708.8	-612.2	4,739.7	0.00	0.00	0.00
12,600.0	90.00	0.19	7,987.0	4,808.8	-611.8	4,839.4	0.00	0.00	0.00
12,700.0	90.00	0.19	7,987.0	4,908.8	-611.5	4,939.2	0.00	0.00	0.00
12,800.0	90.00	0.19	7,987.0	5,008.8	-611.2	5,038.9	0.00	0.00	0.00
12,900.0	90.00	0.19	7,987.0	5,108.8	-610.8	5,138.6	0.00	0.00	0.00
13,000.0	90.00	0.19	7,987.0	5,208.8	-610.5	5,238.4	0.00	0.00	0.00
13,100.0	90.00	0.19	7,987.0	5,308.8	-610.2	5,338.1	0.00	0.00	0.00
13,200.0	90.00	0.19	7,987.0	5,408.8	-609.8	5,437.9	0.00	0.00	0.00
13,300.0	90.00	0.19	7,987.0	5,508.8	-609.5	5,537.6	0.00	0.00	0.00
13,400.0	90.00	0.19	7,987.0	5,608.8	-609.2	5,637.4	0.00	0.00	0.00
13,500.0	90.00	0.19	7,987.0	5,708.8	-608.8	5,737.1	0.00	0.00	0.00
13,600.0	90.00	0.19	7,987.0	5,808.8	-608.5	5,836.8	0.00	0.00	0.00
13,700.0	90.00	0.19	7,987.0	5,908.8	-608.1	5,936.6	0.00	0.00	0.00
13,800.0	90.00	0.19	7,987.0	6,008.8	-607.8	6,036.3	0.00	0.00	0.00
13,900.0	90.00	0.19	7,987.0	6,108.8	-607.5	6,136.1	0.00	0.00	0.00
14,000.0	90.00	0.19	7,987.0	6,208.8	-607.1	6,235.8	0.00	0.00	0.00
14,100.0	90.00	0.19	7,987.0	6,308.8	-606.8	6,335.5	0.00	0.00	0.00
14,200.0	90.00	0.19	7,987.0	6,408.8	-606.5	6,435.3	0.00	0.00	0.00
14,300.0	90.00	0.19	7,987.0	6,508.8	-606.1	6,535.0	0.00	0.00	0.00
14,400.0	90.00	0.19	7,987.0	6,608.8	-605.8	6,634.8	0.00	0.00	0.00
14,500.0	90.00	0.19	7,987.0	6,708.8	-605.5	6,734.5	0.00	0.00	0.00
14,600.0	90.00	0.19	7,987.0	6,808.8	-605.1	6,834.2	0.00	0.00	0.00
14,700.0	90.00	0.19	7,987.0	6,908.8	-604.8	6,934.0	0.00	0.00	0.00
14,800.0	90.00	0.19	7,987.0	7,008.8	-604.4	7,033.7	0.00	0.00	0.00
14,900.0	90.00	0.19	7,987.0	7,108.8	-604.1	7,133.5	0.00	0.00	0.00
15,000.0	90.00	0.19	7,987.0	7,208.8	-603.8	7,233.2	0.00	0.00	0.00

Database:	landmark	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (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)	
15,100.0	90.00	0.19	7,987.0	7,308.8	-603.4	7,333.0	0.00	0.00	0.00	
15,200.0	90.00	0.19	7,987.0	7,408.8	-603.1	7,432.7	0.00	0.00	0.00	
15,300.0	90.00	0.19	7,987.0	7,508.8	-602.8	7,532.4	0.00	0.00	0.00	
15,400.0	90.00	0.19	7,987.0	7,608.8	-602.4	7,632.2	0.00	0.00	0.00	
15,500.0	90.00	0.19	7,987.0	7,708.8	-602.1	7,731.9	0.00	0.00	0.00	
15,600.0	90.00	0.19	7,987.0	7,808.8	-601.8	7,831.7	0.00	0.00	0.00	
15,700.0	90.00	0.19	7,987.0	7,908.8	-601.4	7,931.4	0.00	0.00	0.00	
15,800.0	90.00	0.19	7,987.0	8,008.8	-601.1	8,031.1	0.00	0.00	0.00	
15,900.0	90.00	0.19	7,987.0	8,108.8	-600.7	8,130.9	0.00	0.00	0.00	
16,000.0	90.00	0.19	7,987.0	8,208.8	-600.4	8,230.6	0.00	0.00	0.00	
16,100.0	90.00	0.19	7,987.0	8,308.8	-600.1	8,330.4	0.00	0.00	0.00	
16,200.0	90.00	0.19	7,987.0	8,408.8	-599.7	8,430.1	0.00	0.00	0.00	
16,300.0	90.00	0.19	7,987.0	8,508.8	-599.4	8,529.8	0.00	0.00	0.00	
16,400.0	90.00	0.19	7,987.0	8,608.8	-599.1	8,629.6	0.00	0.00	0.00	
16,500.0	90.00	0.19	7,987.0	8,708.8	-598.7	8,729.3	0.00	0.00	0.00	
16,502.8	90.00	0.19	7,987.0	8,711.5	-598.7	8,732.1	0.00	0.00	0.00	

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
BHL 465'FNL, 2335'FI	0.00	0.00	7,987.0	8,711.5	-598.7	1,242,948.07	3,149,138.71	39.999049	-104.967658	
- plan hits target										
- Point										
SHL 1134'FSL, 1709'FI	0.00	0.00	1.0	0.0	0.0	1,234,240.60	3,149,789.90	39.975135	-104.965521	
- plan hits target										
- Point										
SHL 1148'FSL, 1704'FI	0.00	0.00	1.0	14.2	5.3	1,234,254.83	3,149,795.14	39.975174	-104.965502	
- plan misses by 15.2ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)										
- Point										
LANDING PT. 1785'FI	0.00	0.00	7,987.0	652.8	-625.8	1,234,889.60	3,149,160.18	39.976927	-104.967754	
- plan hits target										
- Point										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (")	Hole Diameter (")
8,444.0	7,987.0	7"		7	7-1/2

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
1,600.0	1,600.0	0.0	0.0	KOP - Start Build 2.00	
5,593.6	5,547.2	-59.6	-592.4	Start Drop -2.00	
7,319.3	7,271.0	-63.2	-628.2	KOP #2 - Start Build 8.00	
16,502.8	7,987.0	8,711.6	-598.7	TD at 16502.8	



Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey I-11-2HC

Wellbore #1

Plan #1(9-4-14)

Anticollision Report

05 September, 2014



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (9-4-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (9-4-17)		
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	9/4/2014		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	16,502.8	Plan #1 (9-4-17) (Wellbore #1)	MWD	MWD - Standard	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Ivey Pad Sec.11-T1S-R68W						
Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,200.0	1,200.0	29.9	24.7	5.784	CC
Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,300.0	1,299.7	30.3	24.7	5.405	ES
Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	16,502.8	16,228.9	519.4	196.3	1.608	SF
Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,400.0	1,400.0	14.7	8.7	2.427	CC, ES
Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	16,502.8	16,296.0	297.1	79.2	1.364	Level 3, SF
Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,600.0	1,600.0	15.2	8.2	2.178	CC, ES
Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	16,502.8	16,246.3	297.1	84.7	1.399	Level 3, SF
Ivey K-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,600.0	1,599.0	30.2	23.3	4.342	CC, ES
Ivey K-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	16,502.8	16,320.8	519.4	199.0	1.621	SF
Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,600.0	1,599.0	45.3	38.4	6.507	CC, ES
Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,700.0	1,699.0	46.1	38.7	6.231	SF
Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)	800.0	800.0	59.7	56.3	17.712	CC, ES
Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)	7,800.0	8,251.1	319.6	281.8	8.452	SF
Ivey M-11-12HN - Wellbore #1 - Plan #2 (9-4-14)	1,000.0	1,000.0	45.0	40.7	10.534	CC
Ivey M-11-12HN - Wellbore #1 - Plan #2 (9-4-14)	7,788.0	8,122.3	47.0	7.8	1.200	Level 2, ES, SF
Ivey N-11-12HN - Wellbore #1 - Plan #1 (7-02-13)	600.0	599.0	74.9	72.4	30.314	CC, ES
Ivey N-11-12HN - Wellbore #1 - Plan #1 (7-02-13)	7,600.0	8,078.0	330.2	287.7	7.766	SF

Offset Design	Ivey Pad Sec.11-T1S-R68W - Ivey H-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		Minimum		Separation		Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +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	100.0	100.0	0.1	0.1	-159.71	-28.0	-10.4	29.9	29.7	0.22	133.034		
200.0	200.0	200.0	200.0	0.3	0.3	-159.71	-28.0	-10.4	29.9	29.2	0.67	44.345		
300.0	300.0	300.0	300.0	0.6	0.6	-159.71	-28.0	-10.4	29.9	28.8	1.12	26.607		
400.0	400.0	400.0	400.0	0.8	0.8	-159.71	-28.0	-10.4	29.9	28.3	1.57	19.005		
500.0	500.0	500.0	500.0	1.0	1.0	-159.71	-28.0	-10.4	29.9	27.9	2.02	14.782		
600.0	600.0	600.0	600.0	1.2	1.2	-159.71	-28.0	-10.4	29.9	27.4	2.47	12.094		
700.0	700.0	700.0	700.0	1.5	1.5	-159.71	-28.0	-10.4	29.9	27.0	2.92	10.233		
800.0	800.0	800.0	800.0	1.7	1.7	-159.71	-28.0	-10.4	29.9	26.5	3.37	8.869		
900.0	900.0	900.0	900.0	1.9	1.9	-159.71	-28.0	-10.4	29.9	26.1	3.82	7.826		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-159.71	-28.0	-10.4	29.9	25.6	4.27	7.002		

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-159.71	-28.0	-10.4	29.9	25.2	4.72	6.335		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-159.71	-28.0	-10.4	29.9	24.7	5.17	5.784 CC		
1,300.0	1,300.0	1,299.7	1,299.7	2.8	2.8	-156.49	-27.8	-12.1	30.3	24.7	5.61	5.405 ES		
1,400.0	1,400.0	1,399.3	1,399.1	3.0	3.0	-147.50	-27.0	-17.2	32.1	26.0	6.04	5.310		
1,500.0	1,500.0	1,498.3	1,497.7	3.3	3.2	-135.05	-25.8	-25.7	36.5	30.0	6.48	5.630		
1,600.0	1,600.0	1,596.6	1,595.3	3.5	3.5	-122.65	-24.0	-37.5	44.8	37.8	6.93	6.455		
1,700.0	1,700.0	1,694.2	1,691.8	3.7	3.7	-17.26	-21.8	-52.4	55.7	48.4	7.34	7.589		
1,800.0	1,799.8	1,791.4	1,787.2	3.9	4.0	-10.27	-19.1	-70.5	67.4	59.6	7.75	8.701		
1,900.0	1,899.5	1,890.1	1,883.7	4.1	4.3	-5.00	-16.0	-91.2	78.5	70.4	8.15	9.634		
2,000.0	1,998.7	1,989.6	1,980.9	4.3	4.7	-1.08	-12.9	-112.0	86.7	78.2	8.55	10.142		
2,100.0	2,097.5	2,089.3	2,078.4	4.6	5.1	2.21	-9.8	-132.9	92.2	83.2	8.97	10.274		
2,200.0	2,196.3	2,189.1	2,175.9	4.9	5.5	5.16	-6.7	-153.9	97.3	87.9	9.42	10.336		
2,300.0	2,295.0	2,288.8	2,273.3	5.1	5.9	7.81	-3.6	-174.8	102.8	92.9	9.87	10.406		
2,400.0	2,393.8	2,388.6	2,370.8	5.4	6.3	10.18	-0.5	-195.7	108.4	98.0	10.34	10.478		
2,500.0	2,492.5	2,488.3	2,468.3	5.7	6.7	12.32	2.6	-216.6	114.1	103.3	10.82	10.549		
2,600.0	2,591.2	2,588.1	2,565.8	6.0	7.1	14.25	5.8	-237.5	120.1	108.7	11.31	10.616		
2,700.0	2,690.0	2,687.8	2,663.3	6.4	7.6	16.00	8.9	-258.4	126.1	114.3	11.81	10.677		
2,800.0	2,788.7	2,787.6	2,760.7	6.7	8.0	17.59	12.0	-279.4	132.2	119.9	12.32	10.733		
2,900.0	2,887.5	2,887.3	2,858.2	7.0	8.4	19.04	15.1	-300.3	138.5	125.6	12.84	10.782		
3,000.0	2,986.2	2,987.1	2,955.7	7.4	8.9	20.36	18.2	-321.2	144.8	131.4	13.38	10.825		
3,100.0	3,085.0	3,086.8	3,053.2	7.7	9.3	21.57	21.3	-342.1	151.2	137.3	13.92	10.862		
3,200.0	3,183.7	3,186.6	3,150.7	8.0	9.8	22.68	24.4	-363.0	157.6	143.2	14.47	10.894		
3,300.0	3,282.4	3,286.3	3,248.1	8.4	10.2	23.70	27.6	-383.9	164.2	149.1	15.03	10.921		
3,400.0	3,381.2	3,386.0	3,345.6	8.7	10.7	24.65	30.7	-404.9	170.7	155.1	15.60	10.944		
3,500.0	3,479.9	3,485.8	3,443.1	9.1	11.1	25.52	33.8	-425.8	177.3	161.1	16.17	10.963		
3,600.0	3,578.7	3,585.5	3,540.6	9.4	11.6	26.33	36.9	-446.7	183.9	167.2	16.75	10.979		
3,700.0	3,677.4	3,685.3	3,638.1	9.8	12.0	27.09	40.0	-467.6	190.6	173.3	17.34	10.992		
3,800.0	3,776.2	3,785.0	3,735.5	10.2	12.5	27.79	43.1	-488.5	197.3	179.4	17.93	11.002		
3,900.0	3,874.9	3,884.8	3,833.0	10.5	12.9	28.45	46.2	-509.4	204.1	185.5	18.53	11.010		
4,000.0	3,973.6	3,984.5	3,930.5	10.9	13.4	29.07	49.3	-530.3	210.8	191.7	19.14	11.016		
4,100.0	4,072.4	4,084.3	4,028.0	11.2	13.8	29.64	52.5	-551.3	217.6	197.8	19.74	11.021		
4,200.0	4,171.1	4,184.0	4,125.5	11.6	14.3	30.19	55.6	-572.2	224.4	204.0	20.35	11.024		
4,300.0	4,269.9	4,283.8	4,222.9	12.0	14.8	30.70	58.7	-593.1	231.2	210.2	20.97	11.026		
4,400.0	4,368.6	4,383.5	4,320.4	12.3	15.2	31.18	61.8	-614.0	238.0	216.4	21.59	11.027		
4,500.0	4,467.4	4,483.3	4,417.9	12.7	15.7	31.63	64.9	-634.9	244.9	222.7	22.21	11.027		
4,600.0	4,566.1	4,583.0	4,515.4	13.1	16.1	32.06	68.0	-655.8	251.7	228.9	22.83	11.026		
4,700.0	4,664.8	4,682.8	4,612.9	13.4	16.6	32.47	71.1	-676.8	258.6	235.2	23.46	11.025		
4,800.0	4,763.6	4,782.5	4,710.3	13.8	17.1	32.86	74.2	-697.7	265.5	241.4	24.09	11.023		
4,900.0	4,862.3	4,882.2	4,807.8	14.2	17.5	33.22	77.4	-718.6	272.4	247.7	24.72	11.020		
5,000.0	4,961.1	4,982.0	4,905.3	14.5	18.0	33.57	80.5	-739.5	279.3	254.0	25.35	11.017		
5,100.0	5,059.8	5,081.7	5,002.8	14.9	18.4	33.90	83.6	-760.4	286.2	260.3	25.99	11.014		
5,200.0	5,158.6	5,181.5	5,100.3	15.3	18.9	34.22	86.7	-781.3	293.2	266.6	26.63	11.011		
5,300.0	5,257.3	5,281.2	5,197.7	15.6	19.4	34.52	89.8	-802.3	300.1	272.9	27.27	11.007		
5,400.0	5,356.0	5,381.0	5,295.2	16.0	19.8	34.81	92.9	-823.2	307.1	279.2	27.91	11.003		
5,500.0	5,454.8	5,480.7	5,392.7	16.4	20.3	35.08	96.0	-844.1	314.0	285.5	28.55	10.999		
5,600.0	5,553.5	5,580.5	5,490.2	16.8	20.8	35.35	99.1	-865.0	321.0	291.8	29.19	10.995		
5,700.0	5,652.6	5,680.1	5,587.5	17.0	21.2	35.50	102.3	-885.9	329.6	299.8	29.73	11.086		
5,800.0	5,752.0	5,779.4	5,684.6	17.2	21.7	35.34	105.4	-906.7	341.0	310.8	30.17	11.300		
5,900.0	5,851.8	5,878.3	5,781.3	17.4	22.1	34.91	108.4	-927.5	355.2	324.7	30.53	11.634		
6,000.0	5,951.7	5,976.7	5,877.4	17.6	22.6	34.24	111.5	-948.1	372.3	341.5	30.81	12.084		
6,100.0	6,051.7	6,074.5	5,973.0	17.7	23.1	-62.43	114.6	-968.6	392.0	361.0	31.03	12.634		
6,200.0	6,151.7	6,172.2	6,068.5	17.9	23.5	-63.39	117.6	-989.1	412.2	380.8	31.32	13.158		

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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:	0.0ft
Survey Program: 0-MWDD													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		
6,300.0	6,251.7	6,270.0	6,164.0	18.1	24.0	-64.26	120.7	-1,009.6	432.4	400.8	31.63	13.668		
6,400.0	6,351.7	6,367.7	6,259.5	18.2	24.4	-65.06	123.7	-1,030.1	452.7	420.8	31.96	14.165		
6,500.0	6,451.7	6,465.4	6,355.0	18.4	24.9	-65.78	126.8	-1,050.6	473.1	440.8	32.30	14.647		
6,600.0	6,551.7	6,575.0	6,462.2	18.6	25.3	-66.50	130.1	-1,072.7	492.9	460.2	32.65	15.095		
6,700.0	6,651.7	6,693.7	6,579.2	18.7	25.7	-67.09	133.0	-1,092.3	509.1	476.1	33.00	15.427		
6,800.0	6,751.7	6,813.8	6,698.4	18.9	26.0	-67.51	135.2	-1,107.3	521.3	488.0	33.36	15.629		
6,900.0	6,851.7	6,935.1	6,819.2	19.1	26.2	-67.77	136.7	-1,117.4	529.5	495.8	33.72	15.702		
7,000.0	6,951.7	7,057.0	6,941.0	19.2	26.4	-67.90	137.5	-1,122.5	533.6	499.5	34.09	15.650		
7,100.0	7,051.7	7,167.6	7,051.7	19.4	26.5	-67.92	137.6	-1,123.1	534.0	499.4	34.46	15.496		
7,158.2	7,109.9	7,225.8	7,109.9	19.5	26.6	-67.92	137.6	-1,123.1	534.0	499.4	34.68	15.401		
7,200.0	7,151.7	7,263.2	7,147.3	19.6	26.7	-67.90	137.7	-1,123.1	534.1	499.3	34.82	15.338		
7,300.0	7,251.7	7,340.9	7,224.7	19.7	26.8	-67.31	143.7	-1,123.1	537.0	501.8	35.23	15.244		
7,400.0	7,351.5	7,417.1	7,299.5	19.9	26.9	-66.15	157.6	-1,123.0	542.5	506.7	35.83	15.140		
7,500.0	7,449.8	7,492.6	7,371.8	20.1	27.0	-65.04	179.2	-1,122.9	547.0	510.8	36.16	15.125		
7,600.0	7,544.6	7,567.6	7,441.0	20.2	27.2	-64.29	208.1	-1,122.8	550.1	513.9	36.21	15.192		
7,700.0	7,634.0	7,642.3	7,506.5	20.4	27.4	-63.90	243.9	-1,122.7	551.8	515.8	36.06	15.302		
7,800.0	7,716.4	7,716.9	7,567.9	20.5	27.6	-63.87	286.3	-1,122.6	552.0	516.1	35.86	15.393		
7,900.0	7,790.1	7,791.5	7,624.5	20.7	27.8	-64.19	335.0	-1,122.4	550.6	514.8	35.79	15.384		
8,000.0	7,853.7	7,866.5	7,675.9	21.0	28.1	-64.87	389.4	-1,122.3	547.7	511.7	36.06	15.188		
8,100.0	7,905.9	7,941.8	7,721.6	21.3	28.4	-65.91	449.3	-1,122.1	543.5	506.6	36.85	14.749		
8,200.0	7,945.8	8,017.9	7,761.1	21.8	28.7	-67.30	514.3	-1,121.9	538.1	499.8	38.25	14.068		
8,300.0	7,972.6	8,100.0	7,795.7	22.4	29.2	-69.15	588.7	-1,121.6	531.9	491.5	40.31	13.195		
8,400.0	7,985.6	8,172.8	7,819.0	23.2	29.7	-71.15	657.6	-1,121.4	525.0	482.2	42.73	12.285		
8,500.0	7,987.0	8,250.0	7,836.0	24.2	30.2	-73.05	732.9	-1,121.1	518.6	473.5	45.07	11.505		
8,600.0	7,987.0	8,335.0	7,845.2	25.2	30.9	-74.03	817.3	-1,120.9	515.5	468.2	47.34	10.890		
8,648.2	7,987.0	8,376.1	7,846.0	25.8	31.3	-74.12	858.5	-1,120.7	515.3	466.8	48.46	10.634		
8,700.0	7,987.0	8,427.9	7,845.9	26.4	31.8	-74.11	910.2	-1,120.6	515.3	465.5	49.76	10.356		
8,800.0	7,987.0	8,527.9	7,845.7	27.7	32.8	-74.08	1,010.2	-1,120.2	515.4	463.0	52.39	9.837		
8,900.0	7,987.0	8,627.9	7,845.5	29.0	33.9	-74.06	1,110.2	-1,119.9	515.4	460.3	55.15	9.346		
9,000.0	7,987.0	8,727.9	7,845.3	30.4	35.1	-74.04	1,210.2	-1,119.5	515.4	457.4	58.01	8.886		
9,100.0	7,987.0	8,827.9	7,845.1	31.9	36.3	-74.02	1,310.2	-1,119.2	515.5	454.5	60.96	8.457		
9,200.0	7,987.0	8,927.9	7,844.9	33.4	37.6	-74.00	1,410.2	-1,118.8	515.5	451.6	63.99	8.057		
9,300.0	7,987.0	9,027.9	7,844.7	34.9	39.0	-73.97	1,510.2	-1,118.5	515.6	448.5	67.08	7.686		
9,400.0	7,987.0	9,127.9	7,844.5	36.5	40.4	-73.95	1,610.2	-1,118.2	515.6	445.4	70.23	7.342		
9,500.0	7,987.0	9,227.9	7,844.3	38.1	41.8	-73.93	1,710.2	-1,117.8	515.7	442.3	73.43	7.023		
9,600.0	7,987.0	9,327.9	7,844.1	39.8	43.3	-73.91	1,810.2	-1,117.5	515.7	439.1	76.68	6.726		
9,700.0	7,987.0	9,427.9	7,843.8	41.4	44.8	-73.89	1,910.2	-1,117.1	515.8	435.8	79.96	6.450		
9,800.0	7,987.0	9,527.9	7,843.6	43.1	46.4	-73.86	2,010.2	-1,116.8	515.8	432.6	83.28	6.194		
9,900.0	7,987.0	9,627.9	7,843.4	44.8	48.0	-73.84	2,110.2	-1,116.4	515.9	429.3	86.63	5.955		
10,000.0	7,987.0	9,727.9	7,843.2	46.6	49.6	-73.82	2,210.2	-1,116.1	515.9	425.9	90.00	5.732		
10,100.0	7,987.0	9,827.9	7,843.0	48.3	51.2	-73.80	2,310.2	-1,115.8	516.0	422.6	93.40	5.524		
10,200.0	7,987.0	9,927.9	7,842.8	50.0	52.8	-73.78	2,410.2	-1,115.4	516.0	419.2	96.82	5.330		
10,300.0	7,987.0	10,027.9	7,842.6	51.8	54.5	-73.76	2,510.2	-1,115.1	516.1	415.8	100.26	5.148		
10,400.0	7,987.0	10,127.9	7,842.4	53.6	56.2	-73.73	2,610.2	-1,114.7	516.1	412.4	103.71	4.977		
10,500.0	7,987.0	10,227.9	7,842.2	55.3	57.9	-73.71	2,710.2	-1,114.4	516.2	409.0	107.18	4.816		
10,600.0	7,987.0	10,327.9	7,842.0	57.1	59.6	-73.69	2,810.2	-1,114.0	516.2	405.6	110.66	4.665		
10,700.0	7,987.0	10,427.9	7,841.8	58.9	61.3	-73.67	2,910.2	-1,113.7	516.3	402.1	114.16	4.523		
10,800.0	7,987.0	10,527.9	7,841.6	60.7	63.1	-73.65	3,010.2	-1,113.3	516.3	398.7	117.66	4.388		
10,900.0	7,987.0	10,627.9	7,841.4	62.5	64.8	-73.62	3,110.2	-1,113.0	516.4	395.2	121.18	4.261		
11,000.0	7,987.0	10,727.9	7,841.2	64.4	66.6	-73.60	3,210.2	-1,112.7	516.4	391.7	124.70	4.141		
11,100.0	7,987.0	10,827.9	7,841.0	66.2	68.3	-73.58	3,310.2	-1,112.3	516.5	388.3	128.24	4.028		
11,200.0	7,987.0	10,927.9	7,840.8	68.0	70.1	-73.56	3,410.2	-1,112.0	516.6	384.8	131.78	3.920		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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:	0.0ft
Survey Program: 0-MWDD												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	
11,300.0	7,987.0	11,027.9	7,840.6	69.8	71.9	-73.54	3,510.2	-1,111.6	516.6	381.3	135.33	3.817	
11,400.0	7,987.0	11,127.9	7,840.4	71.7	73.7	-73.51	3,610.2	-1,111.3	516.7	377.8	138.88	3.720	
11,500.0	7,987.0	11,227.9	7,840.2	73.5	75.5	-73.49	3,710.2	-1,110.9	516.7	374.3	142.44	3.628	
11,600.0	7,987.0	11,327.9	7,840.0	75.4	77.2	-73.47	3,810.2	-1,110.6	516.8	370.7	146.01	3.539	
11,700.0	7,987.0	11,427.9	7,839.8	77.2	79.1	-73.45	3,910.2	-1,110.3	516.8	367.2	149.58	3.455	
11,800.0	7,987.0	11,527.9	7,839.6	79.1	80.9	-73.43	4,010.2	-1,109.9	516.9	363.7	153.15	3.375	
11,900.0	7,987.0	11,627.9	7,839.4	80.9	82.7	-73.41	4,110.2	-1,109.6	516.9	360.2	156.73	3.298	
12,000.0	7,987.0	11,727.9	7,839.2	82.8	84.5	-73.38	4,210.2	-1,109.2	517.0	356.6	160.31	3.225	
12,100.0	7,987.0	11,827.9	7,839.0	84.6	86.3	-73.36	4,310.2	-1,108.9	517.0	353.1	163.90	3.154	
12,200.0	7,987.0	11,927.9	7,838.8	86.5	88.1	-73.34	4,410.2	-1,108.5	517.1	349.6	167.49	3.087	
12,300.0	7,987.0	12,027.9	7,838.6	88.3	90.0	-73.32	4,510.2	-1,108.2	517.1	346.0	171.08	3.023	
12,400.0	7,987.0	12,127.9	7,838.4	90.2	91.8	-73.30	4,610.2	-1,107.9	517.2	342.5	174.68	2.961	
12,500.0	7,987.0	12,227.9	7,838.1	92.1	93.6	-73.27	4,710.2	-1,107.5	517.2	338.9	178.27	2.901	
12,600.0	7,987.0	12,327.9	7,837.9	93.9	95.5	-73.25	4,810.2	-1,107.2	517.3	335.4	181.87	2.844	
12,700.0	7,987.0	12,427.9	7,837.7	95.8	97.3	-73.23	4,910.2	-1,106.8	517.3	331.8	185.48	2.789	
12,800.0	7,987.0	12,527.9	7,837.5	97.7	99.2	-73.21	5,010.2	-1,106.5	517.4	328.3	189.08	2.736	
12,900.0	7,987.0	12,627.9	7,837.3	99.6	101.0	-73.19	5,110.2	-1,106.1	517.4	324.7	192.69	2.685	
13,000.0	7,987.0	12,727.9	7,837.1	101.4	102.9	-73.16	5,210.2	-1,105.8	517.5	321.2	196.29	2.636	
13,100.0	7,987.0	12,827.9	7,836.9	103.3	104.7	-73.14	5,310.2	-1,105.5	517.5	317.6	199.90	2.589	
13,200.0	7,987.0	12,927.9	7,836.7	105.2	106.6	-73.12	5,410.2	-1,105.1	517.6	314.1	203.51	2.543	
13,300.0	7,987.0	13,027.9	7,836.5	107.1	108.4	-73.10	5,510.2	-1,104.8	517.6	310.5	207.13	2.499	
13,400.0	7,987.0	13,127.9	7,836.3	109.0	110.3	-73.08	5,610.2	-1,104.4	517.7	306.9	210.74	2.457	
13,500.0	7,987.0	13,227.9	7,836.1	110.8	112.1	-73.06	5,710.2	-1,104.1	517.7	303.4	214.35	2.415	
13,600.0	7,987.0	13,327.9	7,835.9	112.7	114.0	-73.03	5,810.2	-1,103.7	517.8	299.8	217.97	2.376	
13,700.0	7,987.0	13,427.9	7,835.7	114.6	115.9	-73.01	5,910.2	-1,103.4	517.8	296.3	221.59	2.337	
13,800.0	7,987.0	13,527.9	7,835.5	116.5	117.7	-72.99	6,010.2	-1,103.0	517.9	292.7	225.20	2.300	
13,900.0	7,987.0	13,627.9	7,835.3	118.4	119.6	-72.97	6,110.2	-1,102.7	518.0	289.1	228.82	2.264	
14,000.0	7,987.0	13,727.9	7,835.1	120.3	121.5	-72.95	6,210.2	-1,102.4	518.0	285.6	232.44	2.229	
14,100.0	7,987.0	13,827.9	7,834.9	122.1	123.3	-72.93	6,310.2	-1,102.0	518.1	282.0	236.06	2.195	
14,200.0	7,987.0	13,927.9	7,834.7	124.0	125.2	-72.90	6,410.2	-1,101.7	518.1	278.4	239.68	2.162	
14,300.0	7,987.0	14,027.9	7,834.5	125.9	127.1	-72.88	6,510.2	-1,101.3	518.2	274.9	243.30	2.130	
14,400.0	7,987.0	14,127.9	7,834.3	127.8	129.0	-72.86	6,610.2	-1,101.0	518.2	271.3	246.92	2.099	
14,500.0	7,987.0	14,227.9	7,834.1	129.7	130.8	-72.84	6,710.2	-1,100.6	518.3	267.7	250.54	2.069	
14,600.0	7,987.0	14,327.9	7,833.9	131.6	132.7	-72.82	6,810.2	-1,100.3	518.3	264.2	254.16	2.039	
14,700.0	7,987.0	14,427.9	7,833.7	133.5	134.6	-72.79	6,910.2	-1,100.0	518.4	260.6	257.78	2.011	
14,800.0	7,987.0	14,527.9	7,833.5	135.4	136.5	-72.77	7,010.2	-1,099.6	518.4	257.0	261.41	1.983	
14,900.0	7,987.0	14,627.9	7,833.3	137.3	138.3	-72.75	7,110.2	-1,099.3	518.5	253.5	265.03	1.956	
15,000.0	7,987.0	14,727.9	7,833.1	139.2	140.2	-72.73	7,210.2	-1,098.9	518.5	249.9	268.65	1.930	
15,100.0	7,987.0	14,827.9	7,832.9	141.1	142.1	-72.71	7,310.2	-1,098.6	518.6	246.3	272.27	1.905	
15,200.0	7,987.0	14,927.9	7,832.6	143.0	144.0	-72.69	7,410.2	-1,098.2	518.6	242.7	275.90	1.880	
15,300.0	7,987.0	15,027.9	7,832.4	144.8	145.9	-72.66	7,510.2	-1,097.9	518.7	239.2	279.52	1.856	
15,400.0	7,987.0	15,127.9	7,832.2	146.7	147.7	-72.64	7,610.2	-1,097.6	518.8	235.6	283.14	1.832	
15,500.0	7,987.0	15,227.9	7,832.0	148.6	149.6	-72.62	7,710.2	-1,097.2	518.8	232.0	286.77	1.809	
15,600.0	7,987.0	15,327.9	7,831.8	150.5	151.5	-72.60	7,810.2	-1,096.9	518.9	228.5	290.39	1.787	
15,700.0	7,987.0	15,427.9	7,831.6	152.4	153.4	-72.58	7,910.2	-1,096.5	518.9	224.9	294.01	1.765	
15,800.0	7,987.0	15,527.9	7,831.4	154.3	155.3	-72.56	8,010.2	-1,096.2	519.0	221.3	297.63	1.744	
15,900.0	7,987.0	15,627.9	7,831.2	156.2	157.2	-72.53	8,110.2	-1,095.8	519.0	217.8	301.26	1.723	
16,000.0	7,987.0	15,727.9	7,831.0	158.1	159.1	-72.51	8,210.2	-1,095.5	519.1	214.2	304.88	1.703	
16,100.0	7,987.0	15,827.9	7,830.8	160.0	160.9	-72.49	8,310.2	-1,095.2	519.1	210.6	308.50	1.683	
16,200.0	7,987.0	15,927.9	7,830.6	161.9	162.8	-72.47	8,410.2	-1,094.8	519.2	207.1	312.12	1.663	
16,300.0	7,987.0	16,027.9	7,830.4	163.8	164.7	-72.45	8,510.2	-1,094.5	519.2	203.5	315.75	1.644	
16,400.0	7,987.0	16,127.9	7,830.2	165.7	166.6	-72.43	8,610.1	-1,094.1	519.3	199.9	319.37	1.626	

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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	
16,500.0	7,987.0	16,227.9	7,830.0	167.6	168.5	-72.40	8,710.1	-1,093.8	519.4	196.4	322.99	1.608	
16,502.8	7,987.0	16,228.9	7,830.0	167.7	168.5	-72.40	8,711.2	-1,093.8	519.4	196.3	323.06	1.608 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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	-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		
900.0	900.0	900.0	900.0	1.9	1.9	-159.97	-13.8	-5.0	14.7	10.9	3.82	3.855		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-159.97	-13.8	-5.0	14.7	10.5	4.27	3.449		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-159.97	-13.8	-5.0	14.7	10.0	4.72	3.121		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-159.97	-13.8	-5.0	14.7	9.6	5.17	2.849		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-159.97	-13.8	-5.0	14.7	9.1	5.62	2.621		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-159.97	-13.8	-5.0	14.7	8.7	6.07	2.427 CC, ES		
1,500.0	1,500.0	1,499.8	1,499.7	3.3	3.2	-154.08	-13.9	-6.8	15.5	9.0	6.50	2.385		
1,600.0	1,600.0	1,599.3	1,599.1	3.5	3.4	-140.04	-14.3	-12.0	18.6	11.7	6.93	2.691		
1,700.0	1,700.0	1,698.5	1,697.9	3.7	3.7	-32.06	-14.8	-20.5	23.9	16.6	7.34	3.260		
1,800.0	1,799.8	1,797.4	1,796.1	3.9	3.9	-24.26	-15.6	-32.5	29.8	22.1	7.73	3.854		
1,900.0	1,899.5	1,896.1	1,893.7	4.1	4.1	-18.93	-16.5	-47.8	36.0	27.8	8.12	4.427		
2,000.0	1,998.7	1,995.2	1,991.0	4.3	4.4	-15.14	-17.7	-66.2	42.0	33.4	8.52	4.927		
2,100.0	2,097.5	2,095.2	2,089.1	4.6	4.7	-12.97	-18.9	-85.3	45.6	36.7	8.93	5.106		
2,200.0	2,196.3	2,195.1	2,187.2	4.9	5.1	-11.24	-20.1	-104.4	48.8	39.4	9.37	5.205		
2,300.0	2,295.0	2,295.0	2,285.3	5.1	5.4	-9.73	-21.3	-123.5	52.0	42.1	9.81	5.296		
2,400.0	2,393.8	2,395.0	2,383.4	5.4	5.8	-8.40	-22.4	-142.7	55.2	44.9	10.26	5.380		
2,500.0	2,492.5	2,494.9	2,481.4	5.7	6.1	-7.21	-23.6	-161.8	58.4	47.7	10.71	5.456		
2,600.0	2,591.2	2,594.9	2,579.5	6.0	6.5	-6.15	-24.8	-180.9	61.7	50.6	11.17	5.526		
2,700.0	2,690.0	2,694.8	2,677.6	6.4	6.9	-5.19	-26.0	-200.0	65.0	53.4	11.63	5.590		
2,800.0	2,788.7	2,794.7	2,775.7	6.7	7.3	-4.33	-27.2	-219.1	68.4	56.3	12.10	5.649		
2,900.0	2,887.5	2,894.7	2,873.8	7.0	7.7	-3.55	-28.4	-238.2	71.7	59.1	12.57	5.703		
3,000.0	2,986.2	2,994.6	2,971.9	7.4	8.1	-2.84	-29.6	-257.3	75.0	62.0	13.04	5.752		
3,100.0	3,085.0	3,094.6	3,070.0	7.7	8.5	-2.19	-30.8	-276.4	78.4	64.9	13.52	5.798		
3,200.0	3,183.7	3,194.5	3,168.1	8.0	8.9	-1.59	-32.0	-295.5	81.7	67.7	14.00	5.839		
3,300.0	3,282.4	3,294.4	3,266.2	8.4	9.3	-1.04	-33.2	-314.6	85.1	70.6	14.48	5.878		
3,400.0	3,381.2	3,394.4	3,364.2	8.7	9.7	-0.53	-34.4	-333.7	88.5	73.5	14.97	5.913		
3,500.0	3,479.9	3,494.3	3,462.3	9.1	10.1	-0.06	-35.6	-352.8	91.9	76.4	15.45	5.946		
3,600.0	3,578.7	3,594.3	3,560.4	9.4	10.5	0.38	-36.8	-372.0	95.3	79.3	15.94	5.976		
3,700.0	3,677.4	3,694.2	3,658.5	9.8	11.0	0.79	-38.0	-391.1	98.7	82.2	16.43	6.004		
3,800.0	3,776.2	3,794.1	3,756.6	10.2	11.4	1.17	-39.2	-410.2	102.1	85.1	16.93	6.030		
3,900.0	3,874.9	3,894.1	3,854.7	10.5	11.8	1.52	-40.4	-429.3	105.5	88.1	17.42	6.055		
4,000.0	3,973.6	3,994.0	3,952.8	10.9	12.2	1.86	-41.6	-448.4	108.9	91.0	17.92	6.077		
4,100.0	4,072.4	4,094.0	4,050.9	11.2	12.6	2.17	-42.8	-467.5	112.3	93.9	18.42	6.098		
4,200.0	4,171.1	4,193.9	4,149.0	11.6	13.0	2.46	-44.0	-486.6	115.7	96.8	18.92	6.117		
4,300.0	4,269.9	4,293.8	4,247.0	12.0	13.5	2.74	-45.2	-505.7	119.1	99.7	19.42	6.135		
4,400.0	4,368.6	4,393.8	4,345.1	12.3	13.9	3.00	-46.3	-524.8	122.6	102.6	19.92	6.152		
4,500.0	4,467.4	4,493.7	4,443.2	12.7	14.3	3.25	-47.5	-543.9	126.0	105.6	20.43	6.168		
4,600.0	4,566.1	4,593.6	4,541.3	13.1	14.7	3.49	-48.7	-563.0	129.4	108.5	20.93	6.183		
4,700.0	4,664.8	4,693.6	4,639.4	13.4	15.2	3.71	-49.9	-582.1	132.8	111.4	21.44	6.197		
4,800.0	4,763.6	4,793.5	4,737.5	13.8	15.6	3.92	-51.1	-601.3	136.3	114.3	21.94	6.210		
4,900.0	4,862.3	4,893.5	4,835.6	14.2	16.0	4.12	-52.3	-620.4	139.7	117.3	22.45	6.222		
5,000.0	4,961.1	4,993.4	4,933.7	14.5	16.4	4.31	-53.5	-639.5	143.1	120.2	22.96	6.234		
5,100.0	5,059.8	5,093.3	5,031.8	14.9	16.9	4.50	-54.7	-658.6	146.6	123.1	23.47	6.245		

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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						
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	5,158.6	5,193.3	5,129.8	15.3	17.3	4.67	-55.9	-677.7	150.0	126.0	23.98	6.255	
5,300.0	5,257.3	5,293.2	5,227.9	15.6	17.7	4.84	-57.1	-696.8	153.4	129.0	24.49	6.265	
5,400.0	5,356.0	5,393.2	5,326.0	16.0	18.1	5.00	-58.3	-715.9	156.9	131.9	25.01	6.274	
5,500.0	5,454.8	5,493.1	5,424.1	16.4	18.6	5.15	-59.5	-735.0	160.3	134.8	25.52	6.283	
5,600.0	5,553.5	5,597.4	5,526.7	16.8	19.0	5.32	-60.7	-753.9	162.8	136.8	26.03	6.256	
5,700.0	5,652.6	5,703.4	5,631.5	17.0	19.3	5.50	-61.7	-769.5	163.7	137.2	26.46	6.186	
5,800.0	5,752.0	5,809.5	5,736.9	17.2	19.5	5.63	-62.4	-781.2	164.4	137.5	26.86	6.120	
5,900.0	5,851.8	5,915.6	5,842.7	17.4	19.7	5.72	-62.9	-788.9	164.8	137.6	27.20	6.059	
6,000.0	5,951.7	6,021.7	5,948.8	17.6	19.9	5.76	-63.1	-792.8	165.0	137.5	27.50	6.001	
6,100.0	6,051.7	6,124.6	6,051.7	17.7	20.0	-89.98	-63.1	-793.2	165.0	137.2	27.82	5.933	
6,200.0	6,151.7	6,224.6	6,151.7	17.9	20.2	-89.98	-63.1	-793.2	165.0	136.8	28.21	5.851	
6,300.0	6,251.7	6,324.6	6,251.7	18.1	20.3	-89.98	-63.1	-793.2	165.0	136.4	28.60	5.772	
6,400.0	6,351.7	6,424.6	6,351.7	18.2	20.4	-89.98	-63.1	-793.2	165.0	136.1	28.99	5.694	
6,500.0	6,451.7	6,524.6	6,451.7	18.4	20.6	-89.98	-63.1	-793.2	165.0	135.7	29.38	5.618	
6,600.0	6,551.7	6,624.6	6,551.7	18.6	20.7	-89.98	-63.1	-793.2	165.0	135.3	29.77	5.543	
6,700.0	6,651.7	6,724.6	6,651.7	18.7	20.9	-89.98	-63.1	-793.2	165.0	134.9	30.17	5.471	
6,800.0	6,751.7	6,824.6	6,751.7	18.9	21.0	-89.98	-63.1	-793.2	165.0	134.5	30.57	5.400	
6,900.0	6,851.7	6,924.6	6,851.7	19.1	21.2	-89.98	-63.1	-793.2	165.0	134.1	30.96	5.330	
7,000.0	6,951.7	7,024.6	6,951.7	19.2	21.3	-89.98	-63.1	-793.2	165.0	133.7	31.36	5.262	
7,100.0	7,051.7	7,124.6	7,051.7	19.4	21.5	-89.95	-63.0	-793.2	165.0	133.3	31.77	5.196	
7,124.0	7,075.7	7,148.6	7,075.7	19.4	21.5	-89.68	-62.3	-793.2	165.0	133.2	31.87	5.179	
7,200.0	7,151.7	7,223.8	7,150.4	19.6	21.6	-87.02	-54.6	-793.2	165.2	133.0	32.27	5.120	
7,300.0	7,251.7	7,318.9	7,243.2	19.7	21.8	-79.88	-33.8	-793.1	167.8	134.7	33.10	5.069	
7,400.0	7,351.5	7,408.6	7,327.4	19.9	21.9	-70.80	-3.0	-793.0	175.7	141.3	34.39	5.108	
7,500.0	7,449.8	7,495.3	7,404.5	20.1	22.0	-62.64	36.6	-792.9	187.5	152.0	35.51	5.279	
7,600.0	7,544.6	7,579.6	7,474.3	20.2	22.1	-55.88	83.7	-792.8	201.6	165.6	36.02	5.597	
7,700.0	7,634.0	7,661.8	7,536.6	20.4	22.3	-50.42	137.2	-792.6	216.6	180.8	35.83	6.046	
7,800.0	7,716.4	7,742.2	7,591.2	20.5	22.5	-46.09	196.2	-792.4	231.5	196.5	35.03	6.610	
7,900.0	7,790.1	7,821.3	7,638.1	20.7	22.7	-42.71	259.8	-792.2	245.5	211.7	33.82	7.259	
8,000.0	7,853.7	7,900.0	7,677.5	21.0	23.0	-40.10	327.9	-792.0	257.8	225.4	32.47	7.942	
8,100.0	7,905.9	7,976.2	7,708.4	21.3	23.3	-38.18	397.5	-791.7	268.2	236.9	31.31	8.566	
8,200.0	7,945.8	8,050.0	7,731.0	21.8	23.7	-36.83	467.7	-791.5	276.2	245.5	30.66	9.007	
8,300.0	7,972.6	8,128.4	7,747.0	22.4	24.2	-35.92	544.5	-791.2	281.6	250.8	30.86	9.127	
8,400.0	7,985.6	8,200.0	7,754.1	23.2	24.7	-35.49	615.7	-791.0	284.4	252.4	32.01	8.887	
8,500.0	7,987.0	8,293.3	7,754.9	24.2	25.5	-35.42	708.9	-790.7	284.8	251.1	33.68	8.457	
8,600.0	7,987.0	8,393.3	7,754.7	25.2	26.5	-35.40	808.9	-790.4	285.0	249.7	35.27	8.081	
8,700.0	7,987.0	8,493.3	7,754.5	26.4	27.6	-35.38	908.9	-790.0	285.1	248.2	36.96	7.714	
8,800.0	7,987.0	8,593.3	7,754.3	27.7	28.8	-35.35	1,008.9	-789.7	285.3	246.5	38.74	7.364	
8,900.0	7,987.0	8,693.3	7,754.2	29.0	30.1	-35.33	1,108.9	-789.4	285.4	244.8	40.60	7.031	
9,000.0	7,987.0	8,793.3	7,754.0	30.4	31.5	-35.31	1,208.9	-789.0	285.6	243.1	42.52	6.717	
9,100.0	7,987.0	8,893.3	7,753.8	31.9	32.9	-35.29	1,308.9	-788.7	285.7	241.2	44.49	6.422	
9,200.0	7,987.0	8,993.3	7,753.6	33.4	34.4	-35.27	1,408.9	-788.3	285.9	239.4	46.52	6.145	
9,300.0	7,987.0	9,093.3	7,753.4	34.9	35.9	-35.25	1,508.9	-788.0	286.0	237.4	48.59	5.886	
9,400.0	7,987.0	9,193.3	7,753.2	36.5	37.4	-35.22	1,608.9	-787.7	286.2	235.5	50.70	5.645	
9,500.0	7,987.0	9,293.3	7,753.0	38.1	39.0	-35.20	1,708.9	-787.3	286.3	233.5	52.84	5.419	
9,600.0	7,987.0	9,393.3	7,752.8	39.8	40.6	-35.18	1,808.9	-787.0	286.5	231.5	55.01	5.208	
9,700.0	7,987.0	9,493.3	7,752.7	41.4	42.3	-35.16	1,908.9	-786.7	286.6	229.4	57.20	5.011	
9,800.0	7,987.0	9,593.3	7,752.5	43.1	43.9	-35.14	2,008.9	-786.3	286.8	227.4	59.41	4.827	
9,900.0	7,987.0	9,693.3	7,752.3	44.8	45.6	-35.12	2,108.9	-786.0	286.9	225.3	61.65	4.654	
10,000.0	7,987.0	9,793.3	7,752.1	46.6	47.3	-35.10	2,208.9	-785.6	287.1	223.2	63.90	4.493	
10,100.0	7,987.0	9,893.3	7,751.9	48.3	49.0	-35.07	2,308.9	-785.3	287.2	221.1	66.17	4.341	
10,200.0	7,987.0	9,993.3	7,751.7	50.0	50.7	-35.05	2,408.9	-785.0	287.4	218.9	68.45	4.199	

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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-MWDD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
10,300.0	7,987.0	10,093.3	7,751.5	51.8	52.5	-35.03	2,508.9	-784.6	287.5	216.8	70.74	4.065	
10,400.0	7,987.0	10,193.3	7,751.4	53.6	54.2	-35.01	2,608.9	-784.3	287.7	214.7	73.04	3.939	
10,500.0	7,987.0	10,293.3	7,751.2	55.3	56.0	-34.99	2,708.9	-784.0	287.9	212.5	75.36	3.820	
10,600.0	7,987.0	10,393.3	7,751.0	57.1	57.8	-34.97	2,808.9	-783.6	288.0	210.3	77.68	3.708	
10,700.0	7,987.0	10,493.3	7,750.8	58.9	59.6	-34.95	2,908.9	-783.3	288.2	208.1	80.01	3.602	
10,800.0	7,987.0	10,593.3	7,750.6	60.7	61.3	-34.92	3,008.9	-782.9	288.3	206.0	82.34	3.501	
10,900.0	7,987.0	10,693.3	7,750.4	62.5	63.1	-34.90	3,108.9	-782.6	288.5	203.8	84.69	3.406	
11,000.0	7,987.0	10,793.3	7,750.2	64.4	64.9	-34.88	3,208.9	-782.3	288.6	201.6	87.03	3.316	
11,100.0	7,987.0	10,893.3	7,750.1	66.2	66.8	-34.86	3,308.9	-781.9	288.8	199.4	89.39	3.231	
11,200.0	7,987.0	10,993.3	7,749.9	68.0	68.6	-34.84	3,408.9	-781.6	288.9	197.2	91.74	3.149	
11,300.0	7,987.0	11,093.3	7,749.7	69.8	70.4	-34.82	3,508.9	-781.3	289.1	195.0	94.10	3.072	
11,400.0	7,987.0	11,193.3	7,749.5	71.7	72.2	-34.80	3,608.9	-780.9	289.2	192.8	96.47	2.998	
11,500.0	7,987.0	11,293.3	7,749.3	73.5	74.1	-34.78	3,708.9	-780.6	289.4	190.5	98.84	2.928	
11,600.0	7,987.0	11,393.3	7,749.1	75.4	75.9	-34.76	3,808.9	-780.3	289.5	188.3	101.21	2.861	
11,700.0	7,987.0	11,493.3	7,748.9	77.2	77.7	-34.73	3,908.9	-779.9	289.7	186.1	103.58	2.797	
11,800.0	7,987.0	11,593.3	7,748.8	79.1	79.6	-34.71	4,008.9	-779.6	289.8	183.9	105.95	2.735	
11,900.0	7,987.0	11,693.3	7,748.6	80.9	81.4	-34.69	4,108.9	-779.2	290.0	181.7	108.33	2.677	
12,000.0	7,987.0	11,793.3	7,748.4	82.8	83.3	-34.67	4,208.9	-778.9	290.1	179.4	110.71	2.621	
12,100.0	7,987.0	11,893.3	7,748.2	84.6	85.1	-34.65	4,308.9	-778.6	290.3	177.2	113.09	2.567	
12,200.0	7,987.0	11,993.3	7,748.0	86.5	87.0	-34.63	4,408.9	-778.2	290.4	175.0	115.47	2.515	
12,300.0	7,987.0	12,093.3	7,747.8	88.3	88.8	-34.61	4,508.9	-777.9	290.6	172.7	117.86	2.466	
12,400.0	7,987.0	12,193.3	7,747.6	90.2	90.7	-34.59	4,608.9	-777.6	290.7	170.5	120.24	2.418	
12,500.0	7,987.0	12,293.3	7,747.5	92.1	92.5	-34.57	4,708.9	-777.2	290.9	168.3	122.62	2.372	
12,600.0	7,987.0	12,393.3	7,747.3	93.9	94.4	-34.55	4,808.9	-776.9	291.1	166.0	125.01	2.328	
12,700.0	7,987.0	12,493.3	7,747.1	95.8	96.3	-34.52	4,908.9	-776.5	291.2	163.8	127.39	2.286	
12,800.0	7,987.0	12,593.3	7,746.9	97.7	98.1	-34.50	5,008.9	-776.2	291.4	161.6	129.78	2.245	
12,900.0	7,987.0	12,693.3	7,746.7	99.6	100.0	-34.48	5,108.9	-775.9	291.5	159.3	132.17	2.206	
13,000.0	7,987.0	12,793.3	7,746.5	101.4	101.9	-34.46	5,208.9	-775.5	291.7	157.1	134.55	2.168	
13,100.0	7,987.0	12,893.3	7,746.3	103.3	103.7	-34.44	5,308.9	-775.2	291.8	154.9	136.94	2.131	
13,200.0	7,987.0	12,993.3	7,746.1	105.2	105.6	-34.42	5,408.9	-774.9	292.0	152.6	139.33	2.096	
13,300.0	7,987.0	13,093.3	7,746.0	107.1	107.5	-34.40	5,508.9	-774.5	292.1	150.4	141.71	2.061	
13,400.0	7,987.0	13,193.3	7,745.8	109.0	109.4	-34.38	5,608.9	-774.2	292.3	148.2	144.10	2.028	
13,500.0	7,987.0	13,293.3	7,745.6	110.8	111.2	-34.36	5,708.9	-773.9	292.4	145.9	146.49	1.996	
13,600.0	7,987.0	13,393.3	7,745.4	112.7	113.1	-34.34	5,808.9	-773.5	292.6	143.7	148.87	1.965	
13,700.0	7,987.0	13,493.3	7,745.2	114.6	115.0	-34.32	5,908.9	-773.2	292.7	141.5	151.26	1.935	
13,800.0	7,987.0	13,593.3	7,745.0	116.5	116.9	-34.30	6,008.9	-772.8	292.9	139.2	153.64	1.906	
13,900.0	7,987.0	13,693.3	7,744.8	118.4	118.8	-34.28	6,108.9	-772.5	293.0	137.0	156.03	1.878	
14,000.0	7,987.0	13,793.3	7,744.7	120.3	120.7	-34.25	6,208.9	-772.2	293.2	134.8	158.41	1.851	
14,100.0	7,987.0	13,893.3	7,744.5	122.1	122.5	-34.23	6,308.9	-771.8	293.4	132.6	160.80	1.824	
14,200.0	7,987.0	13,993.3	7,744.3	124.0	124.4	-34.21	6,408.9	-771.5	293.5	130.3	163.18	1.799	
14,300.0	7,987.0	14,093.3	7,744.1	125.9	126.3	-34.19	6,508.9	-771.2	293.7	128.1	165.56	1.774	
14,400.0	7,987.0	14,193.3	7,743.9	127.8	128.2	-34.17	6,608.9	-770.8	293.8	125.9	167.94	1.749	
14,500.0	7,987.0	14,293.3	7,743.7	129.7	130.1	-34.15	6,708.9	-770.5	294.0	123.6	170.33	1.726	
14,600.0	7,987.0	14,393.3	7,743.5	131.6	132.0	-34.13	6,808.9	-770.1	294.1	121.4	172.71	1.703	
14,700.0	7,987.0	14,493.3	7,743.4	133.5	133.9	-34.11	6,908.9	-769.8	294.3	119.2	175.08	1.681	
14,800.0	7,987.0	14,593.3	7,743.2	135.4	135.7	-34.09	7,008.9	-769.5	294.4	117.0	177.46	1.659	
14,900.0	7,987.0	14,693.3	7,743.0	137.3	137.6	-34.07	7,108.9	-769.1	294.6	114.7	179.84	1.638	
15,000.0	7,987.0	14,793.3	7,742.8	139.2	139.5	-34.05	7,208.9	-768.8	294.7	112.5	182.22	1.617	
15,100.0	7,987.0	14,893.3	7,742.6	141.1	141.4	-34.03	7,308.9	-768.5	294.9	110.3	184.59	1.598	
15,200.0	7,987.0	14,993.3	7,742.4	143.0	143.3	-34.01	7,408.9	-768.1	295.0	108.1	186.97	1.578	
15,300.0	7,987.0	15,093.3	7,742.2	144.8	145.2	-33.99	7,508.9	-767.8	295.2	105.9	189.34	1.559	
15,400.0	7,987.0	15,193.3	7,742.1	146.7	147.1	-33.97	7,608.9	-767.5	295.4	103.6	191.72	1.541	

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,500.0	7,987.0	15,293.3	7,741.9	148.6	149.0	-33.95	7,708.9	-767.1	295.5	101.4	194.09	1.523	
15,600.0	7,987.0	15,393.3	7,741.7	150.5	150.9	-33.93	7,808.9	-766.8	295.7	99.2	196.46	1.505	
15,700.0	7,987.0	15,493.3	7,741.5	152.4	152.8	-33.91	7,908.9	-766.4	295.8	97.0	198.83	1.488	Level 3
15,800.0	7,987.0	15,593.3	7,741.3	154.3	154.7	-33.89	8,008.9	-766.1	296.0	94.8	201.20	1.471	Level 3
15,900.0	7,987.0	15,693.3	7,741.1	156.2	156.6	-33.87	8,108.9	-765.8	296.1	92.6	203.56	1.455	Level 3
16,000.0	7,987.0	15,793.3	7,740.9	158.1	158.5	-33.85	8,208.9	-765.4	296.3	90.3	205.93	1.439	Level 3
16,100.0	7,987.0	15,893.3	7,740.7	160.0	160.4	-33.83	8,308.9	-765.1	296.4	88.1	208.30	1.423	Level 3
16,200.0	7,987.0	15,993.3	7,740.6	161.9	162.3	-33.81	8,408.9	-764.8	296.6	85.9	210.66	1.408	Level 3
16,300.0	7,987.0	16,093.3	7,740.4	163.8	164.2	-33.79	8,508.9	-764.4	296.7	83.7	213.02	1.393	Level 3
16,400.0	7,987.0	16,193.3	7,740.2	165.7	166.1	-33.77	8,608.9	-764.1	296.9	81.5	215.39	1.378	Level 3
16,500.0	7,987.0	16,293.3	7,740.0	167.6	168.0	-33.75	8,708.9	-763.7	297.0	79.3	217.75	1.364	Level 3
16,502.8	7,987.0	16,296.0	7,740.0	167.7	168.0	-33.75	8,711.6	-763.7	297.1	79.2	217.81	1.364	Level 3, SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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 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	20.55	14.2	5.3	15.2	15.2	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	20.55	14.2	5.3	15.2	14.9	0.22	67.503		
200.0	200.0	200.0	200.0	0.3	0.3	20.55	14.2	5.3	15.2	14.5	0.67	22.501		
300.0	300.0	300.0	300.0	0.6	0.6	20.55	14.2	5.3	15.2	14.0	1.12	13.501		
400.0	400.0	400.0	400.0	0.8	0.8	20.55	14.2	5.3	15.2	13.6	1.57	9.643		
500.0	500.0	500.0	500.0	1.0	1.0	20.55	14.2	5.3	15.2	13.1	2.02	7.500		
600.0	600.0	600.0	600.0	1.2	1.2	20.55	14.2	5.3	15.2	12.7	2.47	6.137		
700.0	700.0	700.0	700.0	1.5	1.5	20.55	14.2	5.3	15.2	12.3	2.92	5.193		
800.0	800.0	800.0	800.0	1.7	1.7	20.55	14.2	5.3	15.2	11.8	3.37	4.500		
900.0	900.0	900.0	900.0	1.9	1.9	20.55	14.2	5.3	15.2	11.4	3.82	3.971		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	20.55	14.2	5.3	15.2	10.9	4.27	3.553		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	20.55	14.2	5.3	15.2	10.5	4.72	3.214		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	20.55	14.2	5.3	15.2	10.0	5.17	2.935		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	20.55	14.2	5.3	15.2	9.6	5.62	2.700		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	20.55	14.2	5.3	15.2	9.1	6.07	2.500		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	20.55	14.2	5.3	15.2	8.7	6.52	2.328		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	20.55	14.2	5.3	15.2	8.2	6.97	2.178 CC, ES		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	121.88	14.2	5.3	16.0	8.6	7.40	2.165		
1,800.0	1,799.8	1,799.8	1,799.8	3.9	3.9	135.13	14.2	5.3	19.3	11.5	7.82	2.469		
1,900.0	1,899.5	1,900.2	1,900.2	4.1	4.1	146.82	13.9	3.6	24.7	16.5	8.21	3.006		
2,000.0	1,998.7	2,000.9	2,000.7	4.3	4.3	154.51	13.1	-1.6	30.6	22.0	8.58	3.566		
2,100.0	2,097.5	2,101.7	2,101.1	4.6	4.6	159.80	11.6	-10.3	36.5	27.5	8.97	4.069		
2,200.0	2,196.3	2,201.5	2,200.4	4.9	4.8	163.32	9.9	-20.4	41.6	32.2	9.38	4.437		
2,300.0	2,295.0	2,301.3	2,299.7	5.1	5.0	166.07	8.3	-30.5	46.9	37.1	9.79	4.784		
2,400.0	2,393.8	2,401.2	2,399.1	5.4	5.2	168.26	6.6	-40.6	52.2	42.0	10.22	5.109		
2,500.0	2,492.5	2,501.0	2,498.4	5.7	5.5	170.03	4.9	-50.7	57.6	46.9	10.64	5.410		
2,600.0	2,591.2	2,600.9	2,597.7	6.0	5.7	171.51	3.2	-60.8	63.0	51.9	11.08	5.691		
2,700.0	2,690.0	2,700.7	2,697.0	6.4	6.0	172.75	1.5	-70.9	68.5	57.0	11.51	5.950		
2,800.0	2,788.7	2,800.5	2,796.3	6.7	6.2	173.80	-0.1	-81.0	74.0	62.0	11.95	6.192		
2,900.0	2,887.5	2,900.4	2,895.6	7.0	6.5	174.71	-1.8	-91.1	79.5	67.1	12.40	6.415		
3,000.0	2,986.2	3,000.2	2,994.9	7.4	6.7	175.50	-3.5	-101.2	85.1	72.2	12.84	6.623		
3,100.0	3,085.0	3,100.1	3,094.2	7.7	7.0	176.20	-5.2	-111.3	90.6	77.3	13.29	6.817		
3,200.0	3,183.7	3,199.9	3,193.6	8.0	7.3	176.81	-6.8	-121.4	96.2	82.4	13.75	6.997		
3,300.0	3,282.4	3,299.7	3,292.9	8.4	7.5	177.36	-8.5	-131.5	101.8	87.6	14.20	7.165		
3,400.0	3,381.2	3,399.6	3,392.2	8.7	7.8	177.85	-10.2	-141.6	107.3	92.7	14.66	7.322		
3,500.0	3,479.9	3,499.4	3,491.5	9.1	8.1	178.29	-11.9	-151.7	112.9	97.8	15.12	7.469		
3,600.0	3,578.7	3,599.3	3,590.8	9.4	8.4	178.69	-13.6	-161.8	118.5	103.0	15.58	7.607		
3,700.0	3,677.4	3,699.1	3,690.1	9.8	8.6	179.05	-15.2	-171.9	124.1	108.1	16.05	7.736		
3,800.0	3,776.2	3,798.9	3,789.4	10.2	8.9	179.38	-16.9	-182.0	129.7	113.2	16.51	7.857		
3,900.0	3,874.9	3,898.8	3,888.8	10.5	9.2	179.69	-18.6	-192.1	135.4	118.4	16.98	7.971		
4,000.0	3,973.6	3,998.6	3,988.1	10.9	9.5	179.97	-20.3	-202.2	141.0	123.5	17.45	8.079		
4,100.0	4,072.4	4,098.5	4,087.4	11.2	9.8	-179.77	-21.9	-212.3	146.6	128.7	17.92	8.181		
4,200.0	4,171.1	4,198.3	4,186.7	11.6	10.1	-179.53	-23.6	-222.4	152.2	133.8	18.39	8.277		
4,300.0	4,269.9	4,298.1	4,286.0	12.0	10.3	-179.31	-25.3	-232.5	157.8	139.0	18.86	8.368		
4,400.0	4,368.6	4,398.0	4,385.3	12.3	10.6	-179.10	-27.0	-242.6	163.5	144.1	19.34	8.454		
4,500.0	4,467.4	4,497.8	4,484.6	12.7	10.9	-178.91	-28.7	-252.7	169.1	149.3	19.81	8.535		
4,600.0	4,566.1	4,597.7	4,584.0	13.1	11.2	-178.73	-30.3	-262.8	174.7	154.4	20.29	8.613		
4,700.0	4,664.8	4,697.5	4,683.3	13.4	11.5	-178.56	-32.0	-272.9	180.3	159.6	20.76	8.687		
4,800.0	4,763.6	4,797.3	4,782.6	13.8	11.8	-178.40	-33.7	-283.0	186.0	164.7	21.24	8.757		
4,900.0	4,862.3	4,897.2	4,881.9	14.2	12.1	-178.25	-35.4	-293.1	191.6	169.9	21.72	8.824		
5,000.0	4,961.1	4,997.0	4,981.2	14.5	12.3	-178.11	-37.0	-303.2	197.2	175.1	22.19	8.887		
5,100.0	5,059.8	5,096.9	5,080.5	14.9	12.6	-177.97	-38.7	-313.3	202.9	180.2	22.67	8.948		

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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:	0.0ft
Survey Program: 0-MWD												Offset Well Error:	0.0ft
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	5,158.6	5,196.7	5,179.8	15.3	12.9	-177.85	-40.4	-323.4	208.5	185.4	23.15	9.006	
5,300.0	5,257.3	5,296.5	5,279.1	15.6	13.2	-177.73	-42.1	-333.5	214.2	190.5	23.63	9.062	
5,400.0	5,356.0	5,396.4	5,378.5	16.0	13.5	-177.61	-43.8	-343.6	219.8	195.7	24.11	9.115	
5,500.0	5,454.8	5,496.2	5,477.8	16.4	13.8	-177.51	-45.4	-353.7	225.4	200.8	24.60	9.166	
5,600.0	5,553.5	5,596.1	5,577.1	16.8	14.1	-177.40	-47.1	-363.8	231.1	206.0	25.08	9.214	
5,700.0	5,652.6	5,696.0	5,676.5	17.0	14.4	-177.29	-48.8	-374.0	234.7	209.2	25.55	9.187	
5,800.0	5,752.0	5,796.0	5,776.0	17.2	14.7	-177.13	-50.5	-384.1	234.9	208.9	26.00	9.037	
5,900.0	5,851.8	5,895.9	5,875.4	17.4	15.0	-176.92	-52.2	-394.2	231.6	205.2	26.41	8.772	
6,000.0	5,951.7	5,995.7	5,974.6	17.6	15.2	-176.65	-53.8	-404.3	224.9	198.1	26.79	8.395	
6,100.0	6,051.7	6,095.2	6,073.6	17.7	15.5	87.94	-55.5	-414.3	215.1	187.9	27.18	7.914	
6,200.0	6,151.7	6,194.7	6,172.5	17.9	15.8	88.31	-57.2	-424.4	204.9	177.3	27.62	7.421	
6,300.0	6,251.7	6,294.1	6,271.5	18.1	16.1	88.71	-58.8	-434.5	194.8	166.7	28.06	6.942	
6,400.0	6,351.7	6,393.6	6,370.4	18.2	16.4	89.16	-60.5	-444.5	184.6	156.1	28.51	6.477	
6,500.0	6,451.7	6,489.5	6,465.8	18.4	16.7	89.61	-62.0	-453.6	175.2	146.2	28.93	6.055	
6,600.0	6,551.7	6,583.7	6,559.8	18.6	16.9	89.94	-63.0	-459.7	168.7	139.4	29.32	5.754	
6,700.0	6,651.7	6,678.2	6,654.3	18.7	17.0	90.12	-63.5	-462.7	165.5	135.8	29.70	5.573	
6,764.5	6,716.2	6,740.1	6,716.2	18.8	17.1	90.14	-63.6	-463.1	165.1	135.2	29.94	5.515	
6,800.0	6,751.7	6,775.6	6,751.7	18.9	17.2	90.14	-63.6	-463.1	165.1	135.0	30.08	5.489	
6,900.0	6,851.7	6,875.6	6,851.7	19.1	17.4	90.14	-63.6	-463.1	165.1	134.6	30.48	5.417	
7,000.0	6,951.7	6,975.6	6,951.7	19.2	17.5	90.14	-63.6	-463.1	165.1	134.2	30.89	5.346	
7,063.3	7,015.0	7,038.9	7,015.0	19.3	17.7	90.14	-63.6	-463.1	165.1	134.0	31.14	5.302	
7,100.0	7,051.7	7,075.6	7,051.7	19.4	17.7	90.10	-63.5	-463.1	165.1	133.8	31.29	5.277	
7,116.8	7,068.5	7,092.3	7,068.4	19.4	17.8	89.94	-63.0	-463.1	165.1	133.8	31.35	5.267	
7,200.0	7,151.7	7,174.7	7,150.4	19.6	17.9	87.18	-55.1	-463.0	165.4	133.8	31.61	5.232	
7,300.0	7,251.7	7,269.7	7,243.0	19.7	18.0	80.06	-34.3	-463.0	168.0	136.0	31.96	5.256	
7,400.0	7,351.5	7,359.3	7,327.1	19.9	18.2	70.62	-3.5	-462.9	176.0	143.4	32.54	5.407	
7,500.0	7,449.8	7,446.0	7,404.2	20.1	18.3	62.49	36.0	-462.8	187.8	154.6	33.21	5.656	
7,600.0	7,544.6	7,530.2	7,474.0	20.2	18.4	55.76	83.0	-462.6	202.0	168.3	33.64	6.003	
7,700.0	7,634.0	7,612.4	7,536.3	20.4	18.6	50.33	136.5	-462.4	217.0	183.3	33.68	6.443	
7,800.0	7,716.4	7,692.8	7,590.9	20.5	18.7	46.02	195.5	-462.2	231.9	198.6	33.25	6.974	
7,900.0	7,790.1	7,771.8	7,637.9	20.7	19.0	42.66	259.0	-462.0	245.8	213.4	32.41	7.584	
8,000.0	7,853.7	7,850.0	7,677.1	21.0	19.3	40.07	326.6	-461.8	258.1	226.8	31.28	8.252	
8,100.0	7,905.9	7,926.7	7,708.2	21.3	19.7	38.15	396.7	-461.6	268.4	238.4	30.03	8.939	
8,200.0	7,945.8	8,000.0	7,730.7	21.8	20.2	36.81	466.4	-461.3	276.4	247.5	28.83	9.586	
8,300.0	7,972.6	8,078.9	7,746.9	22.4	20.8	35.90	543.6	-461.1	281.7	253.8	27.93	10.087	
8,400.0	7,985.6	8,150.0	7,754.1	23.2	21.5	35.49	614.3	-460.9	284.5	257.0	27.44	10.366	
8,500.0	7,987.0	8,243.6	7,754.9	24.2	22.5	35.42	707.8	-460.6	284.8	256.6	28.17	10.112	
8,600.0	7,987.0	8,343.6	7,754.7	25.2	23.7	35.40	807.8	-460.2	285.0	255.4	29.60	9.627	
8,700.0	7,987.0	8,443.6	7,754.5	26.4	24.9	35.38	907.8	-459.9	285.1	253.9	31.17	9.147	
8,800.0	7,987.0	8,543.6	7,754.3	27.7	26.3	35.36	1,007.8	-459.6	285.3	252.4	32.86	8.682	
8,900.0	7,987.0	8,643.6	7,754.2	29.0	27.7	35.33	1,107.8	-459.2	285.4	250.8	34.64	8.239	
9,000.0	7,987.0	8,743.6	7,754.0	30.4	29.2	35.31	1,207.8	-458.9	285.6	249.1	36.51	7.822	
9,100.0	7,987.0	8,843.6	7,753.8	31.9	30.7	35.29	1,307.8	-458.5	285.7	247.3	38.45	7.431	
9,200.0	7,987.0	8,943.6	7,753.6	33.4	32.3	35.27	1,407.8	-458.2	285.9	245.4	40.45	7.067	
9,300.0	7,987.0	9,043.6	7,753.4	34.9	33.9	35.25	1,507.8	-457.9	286.0	243.5	42.50	6.729	
9,400.0	7,987.0	9,143.6	7,753.2	36.5	35.5	35.23	1,607.8	-457.5	286.2	241.6	44.60	6.416	
9,500.0	7,987.0	9,243.6	7,753.0	38.1	37.2	35.20	1,707.8	-457.2	286.3	239.6	46.74	6.126	
9,600.0	7,987.0	9,343.6	7,752.8	39.8	38.8	35.18	1,807.8	-456.9	286.5	237.6	48.91	5.858	
9,700.0	7,987.0	9,443.6	7,752.7	41.4	40.5	35.16	1,907.8	-456.5	286.6	235.5	51.10	5.609	
9,800.0	7,987.0	9,543.6	7,752.5	43.1	42.3	35.14	2,007.8	-456.2	286.8	233.5	53.32	5.378	
9,900.0	7,987.0	9,643.6	7,752.3	44.8	44.0	35.12	2,107.8	-455.9	286.9	231.4	55.57	5.164	
10,000.0	7,987.0	9,743.6	7,752.1	46.6	45.7	35.10	2,207.8	-455.5	287.1	229.3	57.83	4.965	

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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-MWID												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
10,100.0	7,987.0	9,843.6	7,751.9	48.3	47.5	35.07	2,307.8	-455.2	287.2	227.1	60.11	4.779	
10,200.0	7,987.0	9,943.6	7,751.7	50.0	49.3	35.05	2,407.8	-454.9	287.4	225.0	62.40	4.606	
10,300.0	7,987.0	10,043.6	7,751.5	51.8	51.1	35.03	2,507.8	-454.5	287.5	222.8	64.70	4.444	
10,400.0	7,987.0	10,143.6	7,751.4	53.6	52.9	35.01	2,607.8	-454.2	287.7	220.7	67.02	4.293	
10,500.0	7,987.0	10,243.6	7,751.2	55.3	54.7	34.99	2,707.8	-453.8	287.9	218.5	69.35	4.151	
10,600.0	7,987.0	10,343.6	7,751.0	57.1	56.5	34.97	2,807.8	-453.5	288.0	216.3	71.68	4.018	
10,700.0	7,987.0	10,443.6	7,750.8	58.9	58.3	34.95	2,907.8	-453.2	288.2	214.1	74.02	3.893	
10,800.0	7,987.0	10,543.6	7,750.6	60.7	60.1	34.92	3,007.8	-452.8	288.3	211.9	76.37	3.775	
10,900.0	7,987.0	10,643.6	7,750.4	62.5	61.9	34.90	3,107.8	-452.5	288.5	209.7	78.73	3.664	
11,000.0	7,987.0	10,743.6	7,750.2	64.4	63.8	34.88	3,207.8	-452.2	288.6	207.5	81.09	3.559	
11,100.0	7,987.0	10,843.6	7,750.1	66.2	65.6	34.86	3,307.8	-451.8	288.8	205.3	83.46	3.460	
11,200.0	7,987.0	10,943.6	7,749.9	68.0	67.4	34.84	3,407.8	-451.5	288.9	203.1	85.83	3.366	
11,300.0	7,987.0	11,043.6	7,749.7	69.8	69.3	34.82	3,507.8	-451.2	289.1	200.9	88.20	3.277	
11,400.0	7,987.0	11,143.6	7,749.5	71.7	71.1	34.80	3,607.8	-450.8	289.2	198.6	90.58	3.193	
11,500.0	7,987.0	11,243.6	7,749.3	73.5	73.0	34.78	3,707.8	-450.5	289.4	196.4	92.96	3.113	
11,600.0	7,987.0	11,343.6	7,749.1	75.4	74.8	34.76	3,807.8	-450.2	289.5	194.2	95.34	3.037	
11,700.0	7,987.0	11,443.6	7,748.9	77.2	76.7	34.73	3,907.8	-449.8	289.7	192.0	97.73	2.964	
11,800.0	7,987.0	11,543.6	7,748.8	79.1	78.6	34.71	4,007.8	-449.5	289.8	189.7	100.11	2.895	
11,900.0	7,987.0	11,643.6	7,748.6	80.9	80.4	34.69	4,107.8	-449.1	290.0	187.5	102.50	2.829	
12,000.0	7,987.0	11,743.6	7,748.4	82.8	82.3	34.67	4,207.8	-448.8	290.1	185.2	104.89	2.766	
12,100.0	7,987.0	11,843.6	7,748.2	84.6	84.1	34.65	4,307.8	-448.5	290.3	183.0	107.29	2.706	
12,200.0	7,987.0	11,943.6	7,748.0	86.5	86.0	34.63	4,407.8	-448.1	290.4	180.8	109.68	2.648	
12,300.0	7,987.0	12,043.6	7,747.8	88.3	87.9	34.61	4,507.8	-447.8	290.6	178.5	112.07	2.593	
12,400.0	7,987.0	12,143.6	7,747.6	90.2	89.8	34.59	4,607.8	-447.5	290.7	176.3	114.47	2.540	
12,500.0	7,987.0	12,243.6	7,747.5	92.1	91.6	34.57	4,707.8	-447.1	290.9	174.0	116.86	2.489	
12,600.0	7,987.0	12,343.6	7,747.3	93.9	93.5	34.55	4,807.8	-446.8	291.1	171.8	119.26	2.441	
12,700.0	7,987.0	12,443.6	7,747.1	95.8	95.4	34.52	4,907.8	-446.5	291.2	169.6	121.65	2.394	
12,800.0	7,987.0	12,543.6	7,746.9	97.7	97.3	34.50	5,007.8	-446.1	291.4	167.3	124.05	2.349	
12,900.0	7,987.0	12,643.6	7,746.7	99.6	99.1	34.48	5,107.8	-445.8	291.5	165.1	126.45	2.305	
13,000.0	7,987.0	12,743.6	7,746.5	101.4	101.0	34.46	5,207.8	-445.5	291.7	162.8	128.84	2.264	
13,100.0	7,987.0	12,843.6	7,746.3	103.3	102.9	34.44	5,307.8	-445.1	291.8	160.6	131.24	2.224	
13,200.0	7,987.0	12,943.6	7,746.1	105.2	104.8	34.42	5,407.8	-444.8	292.0	158.3	133.63	2.185	
13,300.0	7,987.0	13,043.6	7,746.0	107.1	106.7	34.40	5,507.8	-444.4	292.1	156.1	136.03	2.148	
13,400.0	7,987.0	13,143.6	7,745.8	109.0	108.6	34.38	5,607.8	-444.1	292.3	153.9	138.43	2.111	
13,500.0	7,987.0	13,243.6	7,745.6	110.8	110.5	34.36	5,707.8	-443.8	292.4	151.6	140.82	2.077	
13,600.0	7,987.0	13,343.6	7,745.4	112.7	112.3	34.34	5,807.8	-443.4	292.6	149.4	143.22	2.043	
13,700.0	7,987.0	13,443.6	7,745.2	114.6	114.2	34.32	5,907.8	-443.1	292.7	147.1	145.61	2.010	
13,800.0	7,987.0	13,543.6	7,745.0	116.5	116.1	34.30	6,007.8	-442.8	292.9	144.9	148.00	1.979	
13,900.0	7,987.0	13,643.6	7,744.8	118.4	118.0	34.28	6,107.8	-442.4	293.0	142.6	150.40	1.948	
14,000.0	7,987.0	13,743.6	7,744.7	120.3	119.9	34.26	6,207.8	-442.1	293.2	140.4	152.79	1.919	
14,100.0	7,987.0	13,843.6	7,744.5	122.1	121.8	34.23	6,307.8	-441.8	293.4	138.2	155.18	1.890	
14,200.0	7,987.0	13,943.6	7,744.3	124.0	123.7	34.21	6,407.8	-441.4	293.5	135.9	157.57	1.863	
14,300.0	7,987.0	14,043.6	7,744.1	125.9	125.6	34.19	6,507.8	-441.1	293.7	133.7	159.96	1.836	
14,400.0	7,987.0	14,143.6	7,743.9	127.8	127.5	34.17	6,607.8	-440.8	293.8	131.5	162.35	1.810	
14,500.0	7,987.0	14,243.6	7,743.7	129.7	129.4	34.15	6,707.8	-440.4	294.0	129.2	164.74	1.784	
14,600.0	7,987.0	14,343.6	7,743.5	131.6	131.3	34.13	6,807.8	-440.1	294.1	127.0	167.13	1.760	
14,700.0	7,987.0	14,443.6	7,743.4	133.5	133.2	34.11	6,907.8	-439.8	294.3	124.8	169.51	1.736	
14,800.0	7,987.0	14,543.6	7,743.2	135.4	135.1	34.09	7,007.8	-439.4	294.4	122.5	171.90	1.713	
14,900.0	7,987.0	14,643.6	7,743.0	137.3	136.9	34.07	7,107.8	-439.1	294.6	120.3	174.28	1.690	
15,000.0	7,987.0	14,743.6	7,742.8	139.2	138.8	34.05	7,207.8	-438.7	294.7	118.1	176.67	1.668	
15,100.0	7,987.0	14,843.6	7,742.6	141.1	140.7	34.03	7,307.8	-438.4	294.9	115.8	179.05	1.647	
15,200.0	7,987.0	14,943.6	7,742.4	143.0	142.6	34.01	7,407.8	-438.1	295.0	113.6	181.43	1.626	

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
15,300.0	7,987.0	15,043.6	7,742.2	144.8	144.5	33.99	7,507.8	-437.7	295.2	111.4	183.81	1.606		
15,400.0	7,987.0	15,143.6	7,742.1	146.7	146.4	33.97	7,607.8	-437.4	295.4	109.2	186.19	1.586		
15,500.0	7,987.0	15,243.6	7,741.9	148.6	148.3	33.95	7,707.8	-437.1	295.5	106.9	188.57	1.567		
15,600.0	7,987.0	15,343.6	7,741.7	150.5	150.2	33.93	7,807.8	-436.7	295.7	104.7	190.95	1.548		
15,700.0	7,987.0	15,443.6	7,741.5	152.4	152.1	33.91	7,907.8	-436.4	295.8	102.5	193.33	1.530		
15,800.0	7,987.0	15,543.6	7,741.3	154.3	154.0	33.89	8,007.8	-436.1	296.0	100.3	195.70	1.512		
15,900.0	7,987.0	15,643.6	7,741.1	156.2	155.9	33.87	8,107.8	-435.7	296.1	98.0	198.07	1.495	Level 3	
16,000.0	7,987.0	15,743.6	7,740.9	158.1	157.8	33.85	8,207.8	-435.4	296.3	95.8	200.45	1.478	Level 3	
16,100.0	7,987.0	15,843.6	7,740.8	160.0	159.7	33.83	8,307.8	-435.1	296.4	93.6	202.82	1.462	Level 3	
16,200.0	7,987.0	15,943.6	7,740.6	161.9	161.6	33.81	8,407.8	-434.7	296.6	91.4	205.19	1.445	Level 3	
16,300.0	7,987.0	16,043.6	7,740.4	163.8	163.5	33.79	8,507.8	-434.4	296.7	89.2	207.56	1.430	Level 3	
16,400.0	7,987.0	16,143.6	7,740.2	165.7	165.4	33.77	8,607.8	-434.0	296.9	87.0	209.93	1.414	Level 3	
16,500.0	7,987.0	16,243.6	7,740.0	167.6	167.3	33.75	8,707.8	-433.7	297.0	84.8	212.29	1.399	Level 3	
16,502.8	7,987.0	16,246.3	7,740.0	167.7	167.4	33.75	8,710.5	-433.7	297.1	84.7	212.36	1.399	Level 3, SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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
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	20.05	28.4	10.4	30.3				
100.0	100.0	99.0	99.0	0.1	0.1	20.05	28.4	10.4	30.2	30.0	0.22	135.248	
200.0	200.0	199.0	199.0	0.3	0.3	20.05	28.4	10.4	30.2	29.6	0.67	45.008	
300.0	300.0	299.0	299.0	0.6	0.6	20.05	28.4	10.4	30.2	29.1	1.12	26.968	
400.0	400.0	399.0	399.0	0.8	0.8	20.05	28.4	10.4	30.2	28.7	1.57	19.252	
500.0	500.0	499.0	499.0	1.0	1.0	20.05	28.4	10.4	30.2	28.2	2.02	14.969	
600.0	600.0	599.0	599.0	1.2	1.2	20.05	28.4	10.4	30.2	27.8	2.47	12.245	
700.0	700.0	699.0	699.0	1.5	1.5	20.05	28.4	10.4	30.2	27.3	2.92	10.360	
800.0	800.0	799.0	799.0	1.7	1.7	20.05	28.4	10.4	30.2	26.9	3.37	8.977	
900.0	900.0	899.0	899.0	1.9	1.9	20.05	28.4	10.4	30.2	26.4	3.82	7.921	
1,000.0	1,000.0	999.0	999.0	2.1	2.1	20.05	28.4	10.4	30.2	26.0	4.27	7.087	
1,100.0	1,100.0	1,099.0	1,099.0	2.4	2.4	20.05	28.4	10.4	30.2	25.5	4.72	6.411	
1,200.0	1,200.0	1,199.0	1,199.0	2.6	2.6	20.05	28.4	10.4	30.2	25.1	5.17	5.854	
1,300.0	1,300.0	1,299.0	1,299.0	2.8	2.8	20.05	28.4	10.4	30.2	24.6	5.62	5.385	
1,400.0	1,400.0	1,399.0	1,399.0	3.0	3.0	20.05	28.4	10.4	30.2	24.2	6.07	4.986	
1,500.0	1,500.0	1,499.0	1,499.0	3.3	3.3	20.05	28.4	10.4	30.2	23.7	6.52	4.642	
1,600.0	1,600.0	1,599.0	1,599.0	3.5	3.5	20.05	28.4	10.4	30.2	23.3	6.97	4.342 CC, ES	
1,700.0	1,700.0	1,699.0	1,699.0	3.7	3.7	118.68	28.4	10.4	31.0	23.6	7.40	4.196	
1,800.0	1,799.8	1,798.8	1,798.8	3.9	3.9	126.42	28.4	10.4	33.9	26.1	7.82	4.332	
1,900.0	1,899.5	1,898.5	1,898.5	4.1	4.2	136.50	28.4	10.4	39.7	31.4	8.24	4.818	
2,000.0	1,998.7	1,997.7	1,997.7	4.3	4.4	146.17	28.4	10.4	49.3	40.6	8.64	5.700	
2,100.0	2,097.5	2,098.6	2,098.6	4.6	4.6	154.10	27.5	9.0	60.9	51.9	9.03	6.745	
2,200.0	2,196.3	2,200.3	2,200.1	4.9	4.8	159.99	24.6	4.5	70.3	60.9	9.42	7.470	
2,300.0	2,295.0	2,301.2	2,300.6	5.1	5.0	164.90	19.9	-2.5	77.3	67.4	9.81	7.876	
2,400.0	2,393.8	2,400.8	2,399.9	5.4	5.2	169.00	15.1	-9.8	84.2	74.0	10.21	8.247	
2,500.0	2,492.5	2,500.3	2,499.1	5.7	5.4	172.47	10.3	-17.1	91.5	80.9	10.62	8.616	
2,600.0	2,591.2	2,599.9	2,598.3	6.0	5.6	175.42	5.5	-24.4	99.1	88.0	11.04	8.977	
2,700.0	2,690.0	2,699.5	2,697.5	6.4	5.8	177.95	0.6	-31.7	106.9	95.4	11.46	9.324	
2,800.0	2,788.7	2,799.1	2,796.7	6.7	6.0	-179.87	-4.2	-39.1	114.9	103.0	11.90	9.653	
2,900.0	2,887.5	2,898.7	2,895.9	7.0	6.3	-177.98	-9.0	-46.4	123.0	110.7	12.34	9.965	
3,000.0	2,986.2	2,998.3	2,995.1	7.4	6.5	-176.32	-13.8	-53.7	131.3	118.5	12.80	10.258	
3,100.0	3,085.0	3,097.9	3,094.3	7.7	6.7	-174.86	-18.7	-61.0	139.6	126.3	13.25	10.532	
3,200.0	3,183.7	3,197.5	3,193.5	8.0	7.0	-173.57	-23.5	-68.3	148.0	134.3	13.72	10.789	
3,300.0	3,282.4	3,297.1	3,292.7	8.4	7.2	-172.41	-28.3	-75.6	156.5	142.3	14.19	11.029	
3,400.0	3,381.2	3,396.7	3,391.9	8.7	7.5	-171.38	-33.1	-83.0	165.1	150.4	14.67	11.253	
3,500.0	3,479.9	3,496.3	3,491.1	9.1	7.7	-170.44	-38.0	-90.3	173.7	158.5	15.15	11.462	
3,600.0	3,578.7	3,595.9	3,590.3	9.4	8.0	-169.60	-42.8	-97.6	182.3	166.7	15.64	11.658	
3,700.0	3,677.4	3,695.4	3,689.5	9.8	8.2	-168.83	-47.6	-104.9	191.0	174.8	16.13	11.841	
3,800.0	3,776.2	3,795.0	3,788.7	10.2	8.5	-168.13	-52.4	-112.2	199.7	183.1	16.62	12.013	
3,900.0	3,874.9	3,894.6	3,887.9	10.5	8.7	-167.48	-57.3	-119.5	208.4	191.3	17.12	12.173	
4,000.0	3,973.6	3,992.1	3,985.0	10.9	9.0	-166.94	-61.8	-126.5	217.4	199.8	17.61	12.343	
4,100.0	4,072.4	4,085.9	4,078.7	11.2	9.2	-166.89	-64.9	-131.1	228.4	210.3	18.06	12.646	
4,200.0	4,171.1	4,179.2	4,171.9	11.6	9.4	-167.31	-66.2	-133.1	241.8	223.3	18.48	13.083	
4,300.0	4,269.9	4,276.1	4,268.9	12.0	9.6	-168.05	-66.3	-133.2	257.1	238.2	18.90	13.603	
4,400.0	4,368.6	4,374.9	4,367.6	12.3	9.8	-168.73	-66.3	-133.2	272.6	253.3	19.33	14.101	
4,500.0	4,467.4	4,473.6	4,466.4	12.7	10.0	-169.35	-66.3	-133.2	288.2	268.4	19.77	14.576	
4,600.0	4,566.1	4,572.4	4,565.1	13.1	10.2	-169.90	-66.3	-133.2	303.7	283.5	20.21	15.031	
4,700.0	4,664.8	4,671.1	4,663.8	13.4	10.4	-170.40	-66.3	-133.2	319.3	298.6	20.65	15.465	
4,800.0	4,763.6	4,769.8	4,762.6	13.8	10.6	-170.85	-66.3	-133.2	334.9	313.8	21.09	15.881	
4,900.0	4,862.3	4,868.6	4,861.3	14.2	10.8	-171.26	-66.3	-133.2	350.5	329.0	21.53	16.279	
5,000.0	4,961.1	4,967.3	4,960.1	14.5	11.0	-171.63	-66.3	-133.2	366.1	344.2	21.98	16.661	
5,100.0	5,059.8	5,066.1	5,058.8	14.9	11.2	-171.98	-66.3	-133.2	381.8	359.4	22.42	17.027	

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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			
5,200.0	5,158.6	5,164.8	5,157.6	15.3	11.4	-172.30	-66.3	-133.2	397.5	374.6	22.87	17.378			
5,300.0	5,257.3	5,263.6	5,256.3	15.6	11.6	-172.59	-66.3	-133.2	413.1	389.8	23.32	17.715			
5,400.0	5,356.0	5,362.3	5,355.0	16.0	11.8	-172.86	-66.3	-133.2	428.8	405.0	23.77	18.039			
5,500.0	5,454.8	5,461.0	5,453.8	16.4	12.0	-173.12	-66.3	-133.2	444.5	420.3	24.22	18.351			
5,600.0	5,553.5	5,559.8	5,552.5	16.8	12.2	-173.35	-66.3	-133.2	460.2	435.5	24.68	18.649			
5,700.0	5,652.6	5,658.8	5,651.6	17.0	12.4	-173.58	-66.3	-133.2	474.0	448.8	25.13	18.860			
5,800.0	5,752.0	5,758.3	5,751.0	17.2	12.6	-173.74	-66.3	-133.2	484.3	458.7	25.56	18.949			
5,900.0	5,851.8	5,858.0	5,850.8	17.4	12.8	-173.84	-66.3	-133.2	491.2	465.2	25.96	18.923			
6,000.0	5,951.7	5,958.0	5,950.7	17.6	13.1	-173.89	-66.3	-133.2	494.6	468.2	26.33	18.787			
6,100.0	6,051.7	6,058.0	6,050.7	17.7	13.3	90.36	-66.3	-133.2	495.0	468.3	26.70	18.539			
6,200.0	6,151.7	6,158.0	6,150.7	17.9	13.5	90.36	-66.3	-133.2	495.0	467.9	27.11	18.257			
6,300.0	6,251.7	6,258.0	6,250.7	18.1	13.7	90.36	-66.3	-133.2	495.0	467.5	27.53	17.982			
6,400.0	6,351.7	6,358.0	6,350.7	18.2	13.9	90.36	-66.3	-133.2	495.0	467.0	27.94	17.715			
6,500.0	6,451.7	6,458.0	6,450.7	18.4	14.1	90.36	-66.3	-133.2	495.0	466.6	28.36	17.455			
6,600.0	6,551.7	6,558.0	6,550.7	18.6	14.3	90.36	-66.3	-133.2	495.0	466.2	28.77	17.202			
6,700.0	6,651.7	6,658.0	6,650.7	18.7	14.5	90.36	-66.3	-133.2	495.0	465.8	29.19	16.956			
6,800.0	6,751.7	6,758.0	6,750.7	18.9	14.8	90.36	-66.3	-133.2	495.0	465.4	29.61	16.716			
6,900.0	6,851.7	6,858.0	6,850.7	19.1	15.0	90.36	-66.3	-133.2	495.0	464.9	30.03	16.482			
7,000.0	6,951.7	6,958.0	6,950.7	19.2	15.2	90.36	-66.3	-133.2	495.0	464.5	30.45	16.255			
7,100.0	7,051.7	7,058.0	7,050.7	19.4	15.4	90.36	-66.3	-133.2	495.0	464.1	30.87	16.033			
7,200.0	7,151.7	7,158.0	7,150.7	19.6	15.6	90.32	-65.9	-133.2	495.0	463.7	31.29	15.818			
7,225.5	7,177.2	7,183.5	7,176.2	19.6	15.7	90.18	-64.7	-133.2	495.0	463.6	31.39	15.766			
7,300.0	7,251.7	7,257.0	7,249.2	19.7	15.8	89.18	-56.1	-133.2	495.1	463.4	31.67	15.632			
7,400.0	7,351.5	7,352.8	7,342.2	19.9	16.0	86.84	-33.7	-133.1	495.8	463.8	32.00	15.493			
7,500.0	7,449.8	7,446.2	7,429.4	20.1	16.2	84.75	-0.2	-133.0	497.1	464.8	32.31	15.386			
7,600.0	7,544.6	7,537.7	7,509.7	20.2	16.3	82.77	43.4	-132.9	499.0	466.4	32.64	15.289			
7,700.0	7,634.0	7,627.4	7,582.5	20.4	16.5	80.95	95.7	-132.7	501.4	468.3	33.02	15.182			
7,800.0	7,716.4	7,715.6	7,647.1	20.5	16.7	79.31	155.7	-132.5	503.9	470.4	33.48	15.049			
7,900.0	7,790.1	7,800.0	7,701.7	20.7	17.0	77.90	220.0	-132.3	506.4	472.4	34.04	14.878			
8,000.0	7,853.7	7,888.4	7,750.2	21.0	17.4	76.64	293.8	-132.1	508.9	474.1	34.76	14.638			
8,100.0	7,905.9	7,973.4	7,788.0	21.3	18.0	75.65	369.9	-131.8	511.0	475.4	35.64	14.338			
8,200.0	7,945.8	8,057.8	7,816.4	21.8	18.6	74.89	449.4	-131.5	512.7	476.0	36.70	13.969			
8,300.0	7,972.6	8,141.7	7,835.1	22.4	19.4	74.39	531.1	-131.3	513.9	476.0	37.98	13.532			
8,400.0	7,985.6	8,225.4	7,844.1	23.2	20.2	74.13	614.2	-131.0	514.6	475.1	39.47	13.037			
8,500.0	7,987.0	8,318.0	7,844.9	24.2	21.3	74.09	706.9	-130.7	514.7	473.3	41.36	12.444			
8,600.0	7,987.0	8,418.0	7,844.7	25.2	22.5	74.07	806.9	-130.4	514.7	471.0	43.67	11.785			
8,700.0	7,987.0	8,518.0	7,844.5	26.4	23.8	74.04	906.9	-130.0	514.8	468.6	46.17	11.149			
8,800.0	7,987.0	8,618.0	7,844.3	27.7	25.2	74.02	1,006.9	-129.7	514.8	466.0	48.82	10.546			
8,900.0	7,987.0	8,718.0	7,844.1	29.0	26.6	74.00	1,106.9	-129.3	514.9	463.3	51.60	9.979			
9,000.0	7,987.0	8,818.0	7,843.9	30.4	28.1	73.98	1,206.9	-129.0	514.9	460.5	54.48	9.451			
9,100.0	7,987.0	8,918.0	7,843.7	31.9	29.7	73.96	1,306.9	-128.7	515.0	457.5	57.46	8.962			
9,200.0	7,987.0	9,018.0	7,843.5	33.4	31.3	73.94	1,406.9	-128.3	515.1	454.5	60.52	8.511			
9,300.0	7,987.0	9,118.0	7,843.3	34.9	32.9	73.92	1,506.9	-128.0	515.1	451.5	63.64	8.094			
9,400.0	7,987.0	9,218.0	7,843.1	36.5	34.6	73.90	1,606.9	-127.7	515.2	448.3	66.83	7.709			
9,500.0	7,987.0	9,318.0	7,842.9	38.1	36.2	73.88	1,706.9	-127.3	515.2	445.2	70.06	7.354			
9,600.0	7,987.0	9,418.0	7,842.7	39.8	37.9	73.85	1,806.9	-127.0	515.3	441.9	73.33	7.026			
9,700.0	7,987.0	9,518.0	7,842.5	41.4	39.7	73.83	1,906.9	-126.6	515.3	438.7	76.65	6.724			
9,800.0	7,987.0	9,618.0	7,842.3	43.1	41.4	73.81	2,006.8	-126.3	515.4	435.4	79.99	6.443			
9,900.0	7,987.0	9,718.0	7,842.1	44.8	43.2	73.79	2,106.8	-126.0	515.4	432.1	83.37	6.183			
10,000.0	7,987.0	9,818.0	7,841.9	46.6	44.9	73.77	2,206.8	-125.6	515.5	428.7	86.77	5.941			
10,100.0	7,987.0	9,918.0	7,841.7	48.3	46.7	73.75	2,306.8	-125.3	515.6	425.4	90.19	5.717			
10,200.0	7,987.0	10,018.0	7,841.5	50.0	48.5	73.73	2,406.8	-125.0	515.6	422.0	93.63	5.507			

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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		
10,300.0	7,987.0	10,118.0	7,841.3	51.8	50.3	73.71	2,506.8	-124.6	515.7	418.6	97.09	5.311		
10,400.0	7,987.0	10,218.0	7,841.1	53.6	52.1	73.68	2,606.8	-124.3	515.7	415.2	100.56	5.129		
10,500.0	7,987.0	10,318.0	7,840.9	55.3	53.9	73.66	2,706.8	-123.9	515.8	411.7	104.05	4.957		
10,600.0	7,987.0	10,418.0	7,840.7	57.1	55.7	73.64	2,806.8	-123.6	515.8	408.3	107.55	4.796		
10,700.0	7,987.0	10,518.0	7,840.5	58.9	57.6	73.62	2,906.8	-123.3	515.9	404.8	111.06	4.645		
10,800.0	7,987.0	10,618.0	7,840.3	60.7	59.4	73.60	3,006.8	-122.9	516.0	401.4	114.59	4.503		
10,900.0	7,987.0	10,718.0	7,840.1	62.5	61.2	73.58	3,106.8	-122.6	516.0	397.9	118.12	4.369		
11,000.0	7,987.0	10,818.0	7,839.9	64.4	63.1	73.56	3,206.8	-122.3	516.1	394.4	121.66	4.242		
11,100.0	7,987.0	10,918.0	7,839.7	66.2	64.9	73.54	3,306.8	-121.9	516.1	390.9	125.21	4.122		
11,200.0	7,987.0	11,018.0	7,839.5	68.0	66.8	73.52	3,406.8	-121.6	516.2	387.4	128.76	4.009		
11,300.0	7,987.0	11,118.0	7,839.3	69.8	68.6	73.49	3,506.8	-121.2	516.3	383.9	132.32	3.901		
11,400.0	7,987.0	11,218.0	7,839.1	71.7	70.5	73.47	3,606.8	-120.9	516.3	380.4	135.89	3.799		
11,500.0	7,987.0	11,318.0	7,838.9	73.5	72.3	73.45	3,706.8	-120.6	516.4	376.9	139.46	3.703		
11,600.0	7,987.0	11,418.0	7,838.7	75.4	74.2	73.43	3,806.8	-120.2	516.4	373.4	143.04	3.610		
11,700.0	7,987.0	11,518.0	7,838.5	77.2	76.1	73.41	3,906.8	-119.9	516.5	369.9	146.62	3.523		
11,800.0	7,987.0	11,618.0	7,838.3	79.1	77.9	73.39	4,006.8	-119.5	516.5	366.3	150.21	3.439		
11,900.0	7,987.0	11,718.0	7,838.1	80.9	79.8	73.37	4,106.8	-119.2	516.6	362.8	153.80	3.359		
12,000.0	7,987.0	11,818.0	7,837.9	82.8	81.7	73.35	4,206.8	-118.9	516.7	359.3	157.39	3.283		
12,100.0	7,987.0	11,918.0	7,837.7	84.6	83.5	73.33	4,306.8	-118.5	516.7	355.7	160.98	3.210		
12,200.0	7,987.0	12,018.0	7,837.5	86.5	85.4	73.31	4,406.8	-118.2	516.8	352.2	164.58	3.140		
12,300.0	7,987.0	12,118.0	7,837.3	88.3	87.3	73.28	4,506.8	-117.9	516.8	348.6	168.18	3.073		
12,400.0	7,987.0	12,218.0	7,837.1	90.2	89.2	73.26	4,606.8	-117.5	516.9	345.1	171.79	3.009		
12,500.0	7,987.0	12,318.0	7,837.0	92.1	91.1	73.24	4,706.8	-117.2	516.9	341.6	175.39	2.947		
12,600.0	7,987.0	12,418.0	7,836.8	93.9	92.9	73.22	4,806.8	-116.8	517.0	338.0	179.00	2.888		
12,700.0	7,987.0	12,518.0	7,836.6	95.8	94.8	73.20	4,906.8	-116.5	517.1	334.5	182.61	2.832		
12,800.0	7,987.0	12,618.0	7,836.4	97.7	96.7	73.18	5,006.8	-116.2	517.1	330.9	186.22	2.777		
12,900.0	7,987.0	12,718.0	7,836.2	99.6	98.6	73.16	5,106.8	-115.8	517.2	327.3	189.84	2.724		
13,000.0	7,987.0	12,818.0	7,836.0	101.4	100.5	73.14	5,206.8	-115.5	517.2	323.8	193.45	2.674		
13,100.0	7,987.0	12,918.0	7,835.8	103.3	102.4	73.12	5,306.8	-115.2	517.3	320.2	197.07	2.625		
13,200.0	7,987.0	13,018.0	7,835.6	105.2	104.2	73.10	5,406.8	-114.8	517.4	316.7	200.68	2.578		
13,300.0	7,987.0	13,118.0	7,835.4	107.1	106.1	73.07	5,506.8	-114.5	517.4	313.1	204.30	2.533		
13,400.0	7,987.0	13,218.0	7,835.2	109.0	108.0	73.05	5,606.8	-114.1	517.5	309.6	207.92	2.489		
13,500.0	7,987.0	13,318.0	7,835.0	110.8	109.9	73.03	5,706.8	-113.8	517.5	306.0	211.54	2.447		
13,600.0	7,987.0	13,418.0	7,834.8	112.7	111.8	73.01	5,806.8	-113.5	517.6	302.4	215.16	2.406		
13,700.0	7,987.0	13,518.0	7,834.6	114.6	113.7	72.99	5,906.8	-113.1	517.7	298.9	218.79	2.366		
13,800.0	7,987.0	13,618.0	7,834.4	116.5	115.6	72.97	6,006.8	-112.8	517.7	295.3	222.41	2.328		
13,900.0	7,987.0	13,718.0	7,834.2	118.4	117.5	72.95	6,106.8	-112.5	517.8	291.7	226.03	2.291		
14,000.0	7,987.0	13,818.0	7,834.0	120.3	119.4	72.93	6,206.8	-112.1	517.8	288.2	229.66	2.255		
14,100.0	7,987.0	13,918.0	7,833.8	122.1	121.3	72.91	6,306.8	-111.8	517.9	284.6	233.28	2.220		
14,200.0	7,987.0	14,018.0	7,833.6	124.0	123.2	72.89	6,406.8	-111.4	518.0	281.1	236.90	2.186		
14,300.0	7,987.0	14,118.0	7,833.4	125.9	125.1	72.86	6,506.8	-111.1	518.0	277.5	240.53	2.154		
14,400.0	7,987.0	14,218.0	7,833.2	127.8	127.0	72.84	6,606.8	-110.8	518.1	273.9	244.16	2.122		
14,500.0	7,987.0	14,318.0	7,833.0	129.7	128.9	72.82	6,706.8	-110.4	518.1	270.4	247.78	2.091		
14,600.0	7,987.0	14,418.0	7,832.8	131.6	130.8	72.80	6,806.8	-110.1	518.2	266.8	251.41	2.061		
14,700.0	7,987.0	14,518.0	7,832.6	133.5	132.7	72.78	6,906.8	-109.8	518.3	263.2	255.03	2.032		
14,800.0	7,987.0	14,618.0	7,832.4	135.4	134.6	72.76	7,006.8	-109.4	518.3	259.7	258.66	2.004		
14,900.0	7,987.0	14,718.0	7,832.2	137.3	136.5	72.74	7,106.8	-109.1	518.4	256.1	262.29	1.976		
15,000.0	7,987.0	14,818.0	7,832.0	139.2	138.4	72.72	7,206.8	-108.7	518.4	252.5	265.91	1.950		
15,100.0	7,987.0	14,918.0	7,831.8	141.1	140.2	72.70	7,306.8	-108.4	518.5	249.0	269.54	1.924		
15,200.0	7,987.0	15,018.0	7,831.6	143.0	142.1	72.68	7,406.8	-108.1	518.6	245.4	273.17	1.898		
15,300.0	7,987.0	15,118.0	7,831.4	144.8	144.1	72.66	7,506.8	-107.7	518.6	241.8	276.79	1.874		
15,400.0	7,987.0	15,218.0	7,831.2	146.7	146.0	72.63	7,606.8	-107.4	518.7	238.3	280.42	1.850		

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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		
15,500.0	7,987.0	15,318.0	7,831.0	148.6	147.9	72.61	7,706.8	-107.1	518.7	234.7	284.05	1.826		
15,600.0	7,987.0	15,418.0	7,830.8	150.5	149.8	72.59	7,806.8	-106.7	518.8	231.1	287.67	1.803		
15,700.0	7,987.0	15,518.0	7,830.6	152.4	151.7	72.57	7,906.8	-106.4	518.9	227.6	291.30	1.781		
15,800.0	7,987.0	15,618.0	7,830.4	154.3	153.6	72.55	8,006.8	-106.0	518.9	224.0	294.93	1.759		
15,900.0	7,987.0	15,718.0	7,830.2	156.2	155.5	72.53	8,106.8	-105.7	519.0	220.4	298.55	1.738		
16,000.0	7,987.0	15,818.0	7,830.0	158.1	157.4	72.51	8,206.8	-105.4	519.0	216.9	302.18	1.718		
16,100.0	7,987.0	15,918.0	7,829.8	160.0	159.3	72.49	8,306.8	-105.0	519.1	213.3	305.81	1.698		
16,200.0	7,987.0	16,018.0	7,829.6	161.9	161.2	72.47	8,406.8	-104.7	519.2	209.7	309.43	1.678		
16,300.0	7,987.0	16,118.0	7,829.4	163.8	163.1	72.45	8,506.8	-104.4	519.2	206.2	313.06	1.659		
16,400.0	7,987.0	16,218.0	7,829.2	165.7	165.0	72.43	8,606.8	-104.0	519.3	202.6	316.68	1.640		
16,500.0	7,987.0	16,318.0	7,829.0	167.6	166.8	72.41	8,706.8	-103.7	519.4	199.1	320.24	1.622		
16,502.8	7,987.0	16,320.8	7,829.0	167.7	166.9	72.40	8,709.6	-103.7	519.4	199.0	320.33	1.621 SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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	19.88	42.6	15.4	45.3					
100.0	100.0	99.0	99.0	0.1	0.1	19.88	42.6	15.4	45.3	45.1	0.22	202.675		
200.0	200.0	199.0	199.0	0.3	0.3	19.88	42.6	15.4	45.3	44.7	0.67	67.446		
300.0	300.0	299.0	299.0	0.6	0.6	19.88	42.6	15.4	45.3	44.2	1.12	40.414		
400.0	400.0	399.0	399.0	0.8	0.8	19.88	42.6	15.4	45.3	43.8	1.57	28.850		
500.0	500.0	499.0	499.0	1.0	1.0	19.88	42.6	15.4	45.3	43.3	2.02	22.432		
600.0	600.0	599.0	599.0	1.2	1.2	19.88	42.6	15.4	45.3	42.9	2.47	18.350		
700.0	700.0	699.0	699.0	1.5	1.5	19.88	42.6	15.4	45.3	42.4	2.92	15.525		
800.0	800.0	799.0	799.0	1.7	1.7	19.88	42.6	15.4	45.3	42.0	3.37	13.453		
900.0	900.0	899.0	899.0	1.9	1.9	19.88	42.6	15.4	45.3	41.5	3.82	11.870		
1,000.0	1,000.0	999.0	999.0	2.1	2.1	19.88	42.6	15.4	45.3	41.1	4.27	10.619		
1,100.0	1,100.0	1,099.0	1,099.0	2.4	2.4	19.88	42.6	15.4	45.3	40.6	4.72	9.608		
1,200.0	1,200.0	1,199.0	1,199.0	2.6	2.6	19.88	42.6	15.4	45.3	40.2	5.17	8.772		
1,300.0	1,300.0	1,299.0	1,299.0	2.8	2.8	19.88	42.6	15.4	45.3	39.7	5.62	8.070		
1,400.0	1,400.0	1,399.0	1,399.0	3.0	3.0	19.88	42.6	15.4	45.3	39.3	6.07	7.472		
1,500.0	1,500.0	1,499.0	1,499.0	3.3	3.3	19.88	42.6	15.4	45.3	38.8	6.52	6.956		
1,600.0	1,600.0	1,599.0	1,599.0	3.5	3.5	19.88	42.6	15.4	45.3	38.4	6.97	6.507 CC, ES		
1,700.0	1,700.0	1,699.0	1,699.0	3.7	3.7	117.57	42.6	15.4	46.1	38.7	7.40	6.231 SF		
1,800.0	1,799.8	1,798.8	1,798.8	3.9	3.9	122.98	42.6	15.4	48.8	40.9	7.82	6.234		
1,900.0	1,899.5	1,898.5	1,898.5	4.1	4.2	130.66	42.6	15.4	54.0	45.8	8.24	6.553		
2,000.0	1,998.7	1,997.7	1,997.7	4.3	4.4	139.00	42.6	15.4	62.6	54.0	8.65	7.239		
2,100.0	2,097.5	2,096.5	2,096.5	4.6	4.6	146.60	42.6	15.4	74.9	65.8	9.07	8.260		
2,200.0	2,196.3	2,195.3	2,195.3	4.9	4.8	152.22	42.6	15.4	88.6	79.1	9.50	9.326		
2,300.0	2,295.0	2,294.0	2,294.0	5.1	5.0	156.32	42.6	15.4	102.9	92.9	9.93	10.359		
2,400.0	2,393.8	2,392.8	2,392.8	5.4	5.3	159.41	42.6	15.4	117.5	107.2	10.36	11.339		
2,500.0	2,492.5	2,491.5	2,491.5	5.7	5.5	161.82	42.6	15.4	132.5	121.7	10.80	12.262		
2,600.0	2,591.2	2,587.5	2,587.4	6.0	5.7	164.09	41.9	16.6	148.4	137.2	11.22	13.231		
2,700.0	2,690.0	2,682.2	2,682.1	6.4	5.9	166.76	39.7	20.4	166.7	155.1	11.61	14.353		
2,800.0	2,788.7	2,776.0	2,775.5	6.7	6.0	169.60	35.9	26.8	187.4	175.4	12.01	15.610		
2,900.0	2,887.5	2,873.1	2,872.2	7.0	6.2	172.24	31.2	34.7	209.6	197.2	12.41	16.885		
3,000.0	2,986.2	2,970.2	2,968.9	7.4	6.4	174.37	26.6	42.6	232.1	219.3	12.82	18.098		
3,100.0	3,085.0	3,067.3	3,065.6	7.7	6.6	176.13	21.9	50.5	254.8	241.6	13.24	19.244		
3,200.0	3,183.7	3,164.4	3,162.2	8.0	6.9	177.60	17.3	58.3	277.8	264.1	13.67	20.325		
3,300.0	3,282.4	3,261.5	3,258.9	8.4	7.1	178.84	12.6	66.2	300.9	286.8	14.10	21.344		
3,400.0	3,381.2	3,358.6	3,355.6	8.7	7.3	179.91	8.0	74.1	324.1	309.5	14.53	22.303		
3,500.0	3,479.9	3,455.7	3,452.3	9.1	7.5	-179.17	3.3	81.9	347.4	332.4	14.97	23.207		
3,600.0	3,578.7	3,552.8	3,548.9	9.4	7.8	-178.36	-1.3	89.8	370.7	355.3	15.41	24.058		
3,700.0	3,677.4	3,649.9	3,645.6	9.8	8.0	-177.64	-6.0	97.7	394.2	378.3	15.85	24.860		
3,800.0	3,776.2	3,747.0	3,742.3	10.2	8.2	-177.01	-10.7	105.5	417.6	401.3	16.30	25.617		
3,900.0	3,874.9	3,844.1	3,839.0	10.5	8.5	-176.45	-15.3	113.4	441.2	424.4	16.75	26.332		
4,000.0	3,973.6	3,941.2	3,935.6	10.9	8.7	-175.94	-20.0	121.3	464.7	447.5	17.21	27.007		
4,100.0	4,072.4	4,038.4	4,032.3	11.2	8.9	-175.48	-24.6	129.1	488.3	470.7	17.66	27.645		
4,200.0	4,171.1	4,135.5	4,129.0	11.6	9.2	-175.06	-29.3	137.0	511.9	493.8	18.12	28.250		
4,300.0	4,269.9	4,232.6	4,225.7	12.0	9.4	-174.68	-33.9	144.9	535.6	517.0	18.58	28.823		
4,400.0	4,368.6	4,329.7	4,322.3	12.3	9.7	-174.33	-38.6	152.8	559.3	540.2	19.04	29.366		
4,500.0	4,467.4	4,426.8	4,419.0	12.7	9.9	-174.01	-43.2	160.6	582.9	563.4	19.51	29.882		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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)	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	-159.96	-56.1	-20.5	59.7					
100.0	100.0	100.0	100.0	0.1	0.1	-159.96	-56.1	-20.5	59.7	59.5	0.22	265.673		
200.0	200.0	200.0	200.0	0.3	0.3	-159.96	-56.1	-20.5	59.7	59.0	0.67	88.558		
300.0	300.0	300.0	300.0	0.6	0.6	-159.96	-56.1	-20.5	59.7	58.6	1.12	53.135		
400.0	400.0	400.0	400.0	0.8	0.8	-159.96	-56.1	-20.5	59.7	58.1	1.57	37.953		
500.0	500.0	500.0	500.0	1.0	1.0	-159.96	-56.1	-20.5	59.7	57.7	2.02	29.519		
600.0	600.0	600.0	600.0	1.2	1.2	-159.96	-56.1	-20.5	59.7	57.2	2.47	24.152		
700.0	700.0	700.0	700.0	1.5	1.5	-159.96	-56.1	-20.5	59.7	56.8	2.92	20.436		
800.0	800.0	800.0	800.0	1.7	1.7	-159.96	-56.1	-20.5	59.7	56.3	3.37	17.712 CC, ES		
900.0	900.0	899.2	899.1	1.9	1.9	-158.46	-56.2	-22.2	60.4	56.6	3.81	15.872		
1,000.0	1,000.0	998.1	997.9	2.1	2.1	-154.18	-56.4	-27.3	62.7	58.5	4.23	14.811		
1,100.0	1,100.0	1,096.6	1,096.0	2.4	2.3	-147.79	-56.8	-35.8	67.2	62.6	4.67	14.393		
1,200.0	1,200.0	1,194.3	1,193.1	2.6	2.6	-140.33	-57.3	-47.5	74.8	69.7	5.13	14.582		
1,300.0	1,300.0	1,291.2	1,288.8	2.8	2.8	-132.89	-58.0	-62.4	85.9	80.3	5.61	15.306		
1,400.0	1,400.0	1,388.4	1,384.3	3.0	3.1	-126.26	-58.8	-80.1	100.6	94.5	6.14	16.382		
1,500.0	1,500.0	1,486.6	1,480.9	3.3	3.5	-121.20	-59.6	-98.4	116.6	109.9	6.70	17.405		
1,600.0	1,600.0	1,584.9	1,577.4	3.5	3.8	-117.38	-60.4	-116.7	133.3	126.1	7.28	18.314		
1,700.0	1,700.0	1,683.4	1,674.2	3.7	4.2	-18.77	-61.2	-135.0	148.9	141.5	7.40	20.123		
1,800.0	1,799.8	1,782.5	1,771.6	3.9	4.6	-16.82	-62.1	-153.4	161.3	153.5	7.82	20.622		
1,900.0	1,899.5	1,882.0	1,869.3	4.1	5.0	-15.47	-62.9	-172.0	170.6	162.4	8.25	20.670		
2,000.0	1,998.7	1,981.8	1,967.4	4.3	5.4	-14.56	-63.7	-190.5	176.6	167.9	8.69	20.328		
2,100.0	2,097.5	2,081.7	2,065.6	4.6	5.8	-13.96	-64.6	-209.1	179.6	170.5	9.14	19.658		
2,200.0	2,196.3	2,181.7	2,163.8	4.9	6.2	-13.43	-65.4	-227.7	182.1	172.5	9.60	18.959		
2,300.0	2,295.0	2,281.6	2,262.0	5.1	6.6	-12.92	-66.2	-246.3	184.6	174.5	10.08	18.320		
2,400.0	2,393.8	2,381.6	2,360.2	5.4	7.0	-12.42	-67.1	-264.9	187.1	176.6	10.55	17.734		
2,500.0	2,492.5	2,481.5	2,458.4	5.7	7.4	-11.93	-67.9	-283.5	189.7	178.7	11.03	17.196		
2,600.0	2,591.2	2,581.5	2,556.6	6.0	7.8	-11.46	-68.8	-302.0	192.3	180.7	11.51	16.701		
2,700.0	2,690.0	2,681.4	2,654.8	6.4	8.2	-10.99	-69.6	-320.6	194.8	182.8	11.99	16.244		
2,800.0	2,788.7	2,781.4	2,753.0	6.7	8.6	-10.54	-70.4	-339.2	197.4	184.9	12.48	15.821		
2,900.0	2,887.5	2,881.4	2,851.2	7.0	9.0	-10.11	-71.3	-357.8	200.0	187.0	12.96	15.429		
3,000.0	2,986.2	2,981.3	2,949.4	7.4	9.4	-9.68	-72.1	-376.4	202.6	189.2	13.45	15.065		
3,100.0	3,085.0	3,081.3	3,047.6	7.7	9.9	-9.26	-72.9	-395.0	205.2	191.3	13.94	14.726		
3,200.0	3,183.7	3,181.2	3,145.8	8.0	10.3	-8.86	-73.8	-413.6	207.9	193.4	14.42	14.410		
3,300.0	3,282.4	3,281.2	3,244.0	8.4	10.7	-8.46	-74.6	-432.2	210.5	195.6	14.91	14.115		
3,400.0	3,381.2	3,381.1	3,342.3	8.7	11.1	-8.08	-75.4	-450.8	213.1	197.7	15.40	13.838		
3,500.0	3,479.9	3,481.1	3,440.5	9.1	11.5	-7.70	-76.3	-469.4	215.8	199.9	15.89	13.578		
3,600.0	3,578.7	3,581.0	3,538.7	9.4	11.9	-7.33	-77.1	-487.9	218.5	202.1	16.38	13.334		
3,700.0	3,677.4	3,681.0	3,636.9	9.8	12.4	-6.97	-77.9	-506.5	221.1	204.3	16.88	13.104		
3,800.0	3,776.2	3,781.0	3,735.1	10.2	12.8	-6.62	-78.8	-525.1	223.8	206.5	17.37	12.887		
3,900.0	3,874.9	3,880.9	3,833.3	10.5	13.2	-6.28	-79.6	-543.7	226.5	208.7	17.86	12.682		
4,000.0	3,973.6	3,980.9	3,931.5	10.9	13.6	-5.95	-80.4	-562.3	229.2	210.9	18.35	12.489		
4,100.0	4,072.4	4,080.8	4,029.7	11.2	14.0	-5.62	-81.3	-580.9	231.9	213.1	18.85	12.305		
4,200.0	4,171.1	4,180.8	4,127.9	11.6	14.5	-5.31	-82.1	-599.5	234.6	215.3	19.34	12.131		
4,300.0	4,269.9	4,280.7	4,226.1	12.0	14.9	-5.00	-82.9	-618.1	237.4	217.5	19.84	11.965		
4,400.0	4,368.6	4,380.7	4,324.3	12.3	15.3	-4.69	-83.8	-636.7	240.1	219.8	20.33	11.808		
4,500.0	4,467.4	4,480.6	4,422.5	12.7	15.7	-4.40	-84.6	-655.3	242.8	222.0	20.83	11.658		
4,600.0	4,566.1	4,580.6	4,520.7	13.1	16.2	-4.11	-85.5	-673.8	245.6	224.2	21.33	11.515		
4,700.0	4,664.8	4,680.5	4,619.0	13.4	16.6	-3.82	-86.3	-692.4	248.3	226.5	21.82	11.378		
4,800.0	4,763.6	4,780.5	4,717.2	13.8	17.0	-3.54	-87.1	-711.0	251.1	228.7	22.32	11.248		
4,900.0	4,862.3	4,880.5	4,815.4	14.2	17.4	-3.27	-88.0	-729.6	253.8	231.0	22.82	11.123		
5,000.0	4,961.1	4,980.4	4,913.6	14.5	17.8	-3.01	-88.8	-748.2	256.6	233.3	23.32	11.004		
5,100.0	5,059.8	5,080.4	5,011.8	14.9	18.3	-2.75	-89.6	-766.8	259.4	235.5	23.82	10.889		

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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
5,200.0	5,158.6	5,180.3	5,110.0	15.3	18.7	-2.49	-90.5	-785.4	262.1	237.8	24.32	10.780	
5,300.0	5,257.3	5,280.3	5,208.2	15.6	19.1	-2.24	-91.3	-804.0	264.9	240.1	24.82	10.674	
5,400.0	5,356.0	5,380.2	5,306.4	16.0	19.5	-2.00	-92.1	-822.6	267.7	242.4	25.32	10.573	
5,500.0	5,454.8	5,480.2	5,404.6	16.4	20.0	-1.76	-93.0	-841.2	270.5	244.7	25.82	10.476	
5,600.0	5,553.5	5,580.1	5,502.8	16.8	20.4	-1.53	-93.8	-859.7	273.3	247.0	26.32	10.382	
5,700.0	5,652.6	5,680.0	5,600.9	17.0	20.8	-1.29	-94.6	-878.3	278.1	251.3	26.79	10.380	
5,800.0	5,752.0	5,779.7	5,698.9	17.2	21.2	-1.05	-95.5	-896.8	286.3	259.1	27.21	10.521	
5,900.0	5,851.8	5,879.0	5,796.4	17.4	21.6	-0.81	-96.3	-915.3	298.0	270.4	27.61	10.797	
6,000.0	5,951.7	5,977.8	5,893.5	17.6	22.1	-0.59	-97.1	-933.7	313.2	285.3	27.96	11.204	
6,100.0	6,051.7	6,076.1	5,990.1	17.7	22.5	-96.13	-97.9	-952.0	331.4	303.1	28.35	11.691	
6,200.0	6,151.7	6,174.4	6,086.7	17.9	22.9	-95.94	-98.8	-970.3	350.0	321.2	28.79	12.155	
6,300.0	6,251.7	6,272.6	6,183.2	18.1	23.3	-95.77	-99.6	-988.5	368.6	339.3	29.24	12.604	
6,400.0	6,351.7	6,370.9	6,279.7	18.2	23.7	-95.61	-100.4	-1,006.8	387.2	357.5	29.69	13.039	
6,500.0	6,451.7	6,469.1	6,376.3	18.4	24.1	-95.47	-101.2	-1,025.1	405.8	375.6	30.15	13.460	
6,600.0	6,551.7	6,567.4	6,472.8	18.6	24.6	-95.35	-102.1	-1,043.3	424.4	393.8	30.60	13.869	
6,700.0	6,651.7	6,665.6	6,569.3	18.7	25.0	-95.23	-102.9	-1,061.6	443.0	411.9	31.05	14.266	
6,800.0	6,751.7	6,763.9	6,665.9	18.9	25.4	-95.12	-103.7	-1,079.9	461.6	430.1	31.50	14.650	
6,900.0	6,851.7	6,862.1	6,762.4	19.1	25.8	-95.02	-104.5	-1,098.2	480.2	448.2	31.96	15.024	
7,000.0	6,951.7	6,960.4	6,858.9	19.2	26.2	-94.93	-105.3	-1,116.4	498.8	466.3	32.42	15.387	
7,100.0	7,051.7	7,058.6	6,955.5	19.4	26.6	-94.85	-106.2	-1,134.7	517.4	484.5	32.87	15.739	
7,200.0	7,151.7	7,156.9	7,052.0	19.6	27.1	-94.77	-107.0	-1,153.0	536.0	502.6	33.33	16.081	
7,300.0	7,251.7	7,292.4	7,185.4	19.7	27.6	-94.68	-108.1	-1,176.6	554.2	520.3	33.85	16.370	
7,400.0	7,351.5	7,705.9	7,587.3	19.9	27.4	-99.60	-112.0	-1,108.0	537.3	502.8	34.47	15.585	
7,500.0	7,449.8	7,973.0	7,799.7	20.1	26.6	-116.55	-114.4	-948.5	480.1	444.3	35.81	13.407	
7,600.0	7,544.6	8,117.6	7,885.8	20.2	26.5	-138.35	-115.6	-832.6	411.9	373.4	38.49	10.701	
7,700.0	7,634.0	8,200.2	7,923.9	20.4	26.5	-154.78	-116.2	-759.4	352.7	313.4	39.26	8.984	
7,800.0	7,716.4	8,251.1	7,943.2	20.5	26.6	-164.61	-116.5	-712.2	319.6	281.8	37.81	8.452 SF	
7,835.7	7,743.8	8,264.6	7,947.7	20.6	26.7	-167.02	-116.6	-699.6	316.9	279.9	36.96	8.575	
7,900.0	7,790.1	8,284.4	7,953.9	20.7	26.7	-170.39	-116.7	-680.7	325.6	290.5	35.14	9.267	
8,000.0	7,853.7	8,306.9	7,960.3	21.0	26.8	-173.99	-116.8	-659.2	370.6	338.8	31.85	11.638	
8,100.0	7,905.9	8,322.3	7,964.3	21.3	26.9	-176.40	-116.9	-644.4	443.0	414.6	28.36	15.620	
8,200.0	7,945.8	8,332.4	7,966.8	21.8	26.9	-178.21	-116.9	-634.5	530.9	505.8	25.09	21.161	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-12HN - Wellbore #1 - Plan #2 (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	-159.96	-42.3	-15.4	45.0					
100.0	100.0	100.0	100.0	0.1	0.1	-159.96	-42.3	-15.4	45.0	44.8	0.22	200.140		
200.0	200.0	200.0	200.0	0.3	0.3	-159.96	-42.3	-15.4	45.0	44.3	0.67	66.713		
300.0	300.0	300.0	300.0	0.6	0.6	-159.96	-42.3	-15.4	45.0	43.9	1.12	40.028		
400.0	400.0	400.0	400.0	0.8	0.8	-159.96	-42.3	-15.4	45.0	43.4	1.57	28.591		
500.0	500.0	500.0	500.0	1.0	1.0	-159.96	-42.3	-15.4	45.0	43.0	2.02	22.238		
600.0	600.0	600.0	600.0	1.2	1.2	-159.96	-42.3	-15.4	45.0	42.5	2.47	18.195		
700.0	700.0	700.0	700.0	1.5	1.5	-159.96	-42.3	-15.4	45.0	42.1	2.92	15.395		
800.0	800.0	800.0	800.0	1.7	1.7	-159.96	-42.3	-15.4	45.0	41.6	3.37	13.343		
900.0	900.0	900.0	900.0	1.9	1.9	-159.96	-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	-159.96	-42.3	-15.4	45.0	40.7	4.27	10.534 CC		
1,100.0	1,100.0	1,099.5	1,099.5	2.4	2.3	-157.86	-42.1	-17.1	45.5	40.8	4.71	9.663		
1,200.0	1,200.0	1,198.8	1,198.7	2.6	2.6	-151.88	-41.7	-22.3	47.3	42.2	5.14	9.212		
1,300.0	1,300.0	1,297.7	1,297.1	2.8	2.8	-143.10	-41.0	-30.8	51.4	45.8	5.58	9.221		
1,400.0	1,400.0	1,395.8	1,394.5	3.0	3.0	-133.26	-40.1	-42.6	58.8	52.8	6.03	9.749		
1,500.0	1,500.0	1,493.0	1,490.6	3.3	3.3	-124.06	-38.9	-57.6	70.2	63.6	6.51	10.771		
1,600.0	1,600.0	1,589.0	1,584.9	3.5	3.6	-116.40	-37.5	-75.6	85.7	78.7	7.04	12.183		
1,700.0	1,700.0	1,685.2	1,678.7	3.7	3.9	-14.79	-35.9	-96.5	103.5	96.1	7.36	14.058		
1,800.0	1,799.8	1,783.6	1,774.6	3.9	4.3	-10.76	-34.1	-118.7	119.3	111.6	7.78	15.342		
1,900.0	1,899.5	1,882.6	1,871.0	4.1	4.7	-7.91	-32.4	-141.0	132.2	124.0	8.20	16.126		
2,000.0	1,998.7	1,982.0	1,967.9	4.3	5.1	-5.72	-30.6	-163.4	141.8	133.2	8.62	16.464		
2,100.0	2,097.5	2,081.7	2,064.9	4.6	5.6	-3.90	-28.8	-185.8	148.6	139.5	9.05	16.413		
2,200.0	2,196.3	2,181.4	2,162.1	4.9	6.0	-2.25	-27.0	-208.3	154.9	145.4	9.51	16.289		
2,300.0	2,295.0	2,281.1	2,259.2	5.1	6.4	-0.73	-25.3	-230.7	161.4	151.4	9.97	16.180		
2,400.0	2,393.8	2,380.8	2,356.3	5.4	6.9	0.67	-23.5	-253.2	167.9	157.5	10.44	16.082		
2,500.0	2,492.5	2,480.5	2,453.5	5.7	7.4	1.96	-21.7	-275.6	174.6	163.6	10.91	15.994		
2,600.0	2,591.2	2,580.2	2,550.6	6.0	7.8	3.16	-20.0	-298.1	181.3	169.9	11.39	15.914		
2,700.0	2,690.0	2,679.9	2,647.7	6.4	8.3	4.27	-18.2	-320.5	188.1	176.2	11.87	15.839		
2,800.0	2,788.7	2,779.6	2,744.8	6.7	8.8	5.31	-16.4	-343.0	195.0	182.6	12.36	15.769		
2,900.0	2,887.5	2,879.3	2,842.0	7.0	9.2	6.27	-14.6	-365.4	201.9	189.0	12.86	15.703		
3,000.0	2,986.2	2,979.0	2,939.1	7.4	9.7	7.17	-12.9	-387.9	208.9	195.5	13.35	15.640		
3,100.0	3,085.0	3,078.7	3,036.2	7.7	10.2	8.02	-11.1	-410.3	215.9	202.0	13.86	15.579		
3,200.0	3,183.7	3,178.4	3,133.3	8.0	10.7	8.80	-9.3	-432.8	223.0	208.6	14.37	15.521		
3,300.0	3,282.4	3,278.1	3,230.5	8.4	11.2	9.54	-7.6	-455.2	230.1	215.2	14.88	15.464		
3,400.0	3,381.2	3,377.8	3,327.6	8.7	11.6	10.24	-5.8	-477.7	237.2	221.8	15.39	15.410		
3,500.0	3,479.9	3,477.5	3,424.7	9.1	12.1	10.89	-4.0	-500.2	244.4	228.5	15.92	15.356		
3,600.0	3,578.7	3,577.2	3,521.8	9.4	12.6	11.51	-2.2	-522.6	251.6	235.2	16.44	15.304		
3,700.0	3,677.4	3,676.9	3,619.0	9.8	13.1	12.09	-0.5	-545.1	258.9	241.9	16.97	15.254		
3,800.0	3,776.2	3,776.6	3,716.1	10.2	13.6	12.64	1.3	-567.5	266.1	248.6	17.50	15.205		
3,900.0	3,874.9	3,876.3	3,813.2	10.5	14.1	13.17	3.1	-590.0	273.4	255.4	18.04	15.157		
4,000.0	3,973.6	3,976.0	3,910.4	10.9	14.5	13.66	4.8	-612.4	280.7	262.1	18.58	15.111		
4,100.0	4,072.4	4,075.7	4,007.5	11.2	15.0	14.13	6.6	-634.9	288.0	268.9	19.12	15.065		
4,200.0	4,171.1	4,175.5	4,104.6	11.6	15.5	14.58	8.4	-657.3	295.4	275.7	19.67	15.021		
4,300.0	4,269.9	4,275.2	4,201.7	12.0	16.0	15.00	10.2	-679.8	302.8	282.5	20.21	14.978		
4,400.0	4,368.6	4,374.9	4,298.9	12.3	16.5	15.40	11.9	-702.2	310.1	289.4	20.76	14.936		
4,500.0	4,467.4	4,474.6	4,396.0	12.7	17.0	15.79	13.7	-724.7	317.5	296.2	21.32	14.895		
4,600.0	4,566.1	4,574.3	4,493.1	13.1	17.5	16.16	15.5	-747.1	324.9	303.1	21.87	14.855		
4,700.0	4,664.8	4,674.0	4,590.2	13.4	18.0	16.51	17.2	-769.6	332.4	309.9	22.43	14.816		
4,800.0	4,763.6	4,773.7	4,687.4	13.8	18.4	16.85	19.0	-792.0	339.8	316.8	22.99	14.778		
4,900.0	4,862.3	4,873.4	4,784.5	14.2	18.9	17.17	20.8	-814.5	347.2	323.7	23.55	14.742		
5,000.0	4,961.1	4,973.1	4,881.6	14.5	19.4	17.48	22.6	-836.9	354.7	330.6	24.12	14.706		
5,100.0	5,059.8	5,072.8	4,978.8	14.9	19.9	17.77	24.3	-859.4	362.1	337.5	24.68	14.671		

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 I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (9-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-12HN - Wellbore #1 - Plan #2 (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	5,158.6	5,172.5	5,075.9	15.3	20.4	18.06	26.1	-881.8	369.6	344.4	25.25	14.637		
5,300.0	5,257.3	5,272.2	5,173.0	15.6	20.9	18.33	27.9	-904.3	377.1	351.3	25.82	14.604		
5,400.0	5,356.0	5,371.9	5,270.1	16.0	21.4	18.59	29.6	-926.8	384.6	358.2	26.39	14.572		
5,500.0	5,454.8	5,471.6	5,367.3	16.4	21.9	18.84	31.4	-949.2	392.1	365.1	26.97	14.540		
5,600.0	5,553.5	5,571.3	5,464.4	16.8	22.4	19.09	33.2	-971.7	399.6	372.1	27.54	14.511		
5,700.0	5,652.6	5,670.9	5,561.4	17.0	22.8	19.29	35.0	-994.1	409.0	380.9	28.03	14.588		
5,800.0	5,752.0	5,770.1	5,658.0	17.2	23.3	19.35	36.7	-1,016.4	421.6	393.1	28.48	14.804		
5,900.0	5,851.8	5,868.8	5,754.2	17.4	23.8	19.28	38.5	-1,038.6	437.5	408.6	28.87	15.154		
6,000.0	5,951.7	5,966.9	5,849.7	17.6	24.3	19.10	40.2	-1,060.7	456.6	427.4	29.21	15.634		
6,100.0	6,051.7	6,064.4	5,944.7	17.7	24.8	-76.97	41.9	-1,082.7	478.6	449.1	29.54	16.201		
6,200.0	6,151.7	6,161.8	6,039.6	17.9	25.3	-77.36	43.7	-1,104.6	501.0	471.0	29.95	16.724		
6,300.0	6,251.7	6,277.7	6,152.9	18.1	25.7	-77.74	45.6	-1,129.0	521.9	491.5	30.37	17.184		
6,400.0	6,351.7	6,398.4	6,271.8	18.2	26.1	-78.04	47.2	-1,149.4	538.8	508.0	30.78	17.503		
6,500.0	6,451.7	6,520.7	6,393.1	18.4	26.4	-78.25	48.4	-1,165.1	551.5	520.3	31.19	17.681		
6,600.0	6,551.7	6,644.1	6,516.0	18.6	26.6	-78.39	49.3	-1,175.6	560.0	528.4	31.59	17.725		
6,700.0	6,651.7	6,768.1	6,640.0	18.7	26.8	-78.46	49.7	-1,180.9	564.2	532.2	31.99	17.638		
6,800.0	6,751.7	6,879.9	6,751.7	18.9	26.9	-78.46	49.7	-1,181.5	564.7	532.4	32.37	17.446		
6,900.0	6,851.7	6,979.9	6,851.7	19.1	27.0	-78.46	49.7	-1,181.5	564.7	532.0	32.74	17.247		
7,000.0	6,951.7	7,079.9	6,951.7	19.2	27.2	-78.46	49.7	-1,181.5	564.7	531.6	33.12	17.052		
7,100.0	7,051.7	7,215.2	7,087.0	19.4	27.3	-78.43	49.7	-1,180.1	564.4	530.9	33.55	16.824		
7,200.0	7,151.7	7,300.4	7,446.5	19.6	26.6	-75.24	49.3	-1,055.4	531.1	496.9	34.26	15.501		
7,300.0	7,251.7	7,826.6	7,609.5	19.7	26.1	-67.59	48.8	-899.9	463.0	427.5	35.47	13.054		
7,400.0	7,351.5	7,950.8	7,675.7	19.9	26.1	-67.44	48.5	-794.9	380.0	344.1	35.82	10.607		
7,500.0	7,449.8	8,024.2	7,705.9	20.1	26.3	-77.81	48.2	-728.1	288.9	254.4	34.53	8.367		
7,600.0	7,544.6	8,071.0	7,721.5	20.2	26.5	-105.07	48.1	-684.0	194.2	159.7	34.41	5.642		
7,700.0	7,634.0	8,102.5	7,730.4	20.4	26.6	-145.83	48.0	-653.8	100.6	61.6	39.01	2.578		
7,788.0	7,706.9	8,122.3	7,735.3	20.5	26.7	-171.68	47.9	-634.6	47.0	7.8	39.20	1.200 Level 2, ES, SF		
7,800.0	7,716.4	8,124.5	7,735.8	20.5	26.7	-174.39	47.9	-632.4	48.6	9.6	38.97	1.246 Level 2		
7,900.0	7,790.1	8,140.4	7,739.3	20.7	26.8	164.87	47.9	-617.0	123.2	86.9	36.33	3.393		
8,000.0	7,853.7	8,150.0	7,741.2	21.0	26.9	131.90	47.8	-607.5	220.7	185.7	35.06	6.296		
8,100.0	7,905.9	8,160.0	7,743.1	21.3	26.9	59.45	47.8	-597.7	320.1	287.4	32.77	9.768		
8,200.0	7,945.8	8,165.6	7,744.1	21.8	27.0	27.70	47.8	-592.2	419.1	392.6	26.44	15.852		
8,300.0	7,972.6	8,169.2	7,744.7	22.4	27.0	16.63	47.8	-588.7	516.5	494.0	22.50	22.952		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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	-159.86	-70.3	-25.8	74.9					
100.0	100.0	99.0	99.0	0.1	0.1	-159.86	-70.3	-25.8	74.9	74.7	0.22	334.827		
200.0	200.0	199.0	199.0	0.3	0.3	-159.86	-70.3	-25.8	74.9	74.2	0.67	111.423		
300.0	300.0	299.0	299.0	0.6	0.6	-159.86	-70.3	-25.8	74.9	73.8	1.12	66.765		
400.0	400.0	399.0	399.0	0.8	0.8	-159.86	-70.3	-25.8	74.9	73.3	1.57	47.662		
500.0	500.0	499.0	499.0	1.0	1.0	-159.86	-70.3	-25.8	74.9	72.9	2.02	37.058		
600.0	600.0	599.0	599.0	1.2	1.2	-159.86	-70.3	-25.8	74.9	72.4	2.47	30.314 CC, ES		
700.0	700.0	697.7	697.6	1.5	1.4	-158.77	-70.6	-27.4	75.8	72.8	2.90	26.105		
800.0	800.0	796.1	795.9	1.7	1.6	-155.63	-71.5	-32.4	78.6	75.2	3.33	23.602		
900.0	900.0	894.1	893.5	1.9	1.9	-150.91	-73.0	-40.6	83.7	79.9	3.77	22.217		
1,000.0	1,000.0	991.3	990.1	2.1	2.1	-145.27	-75.1	-52.0	91.8	87.5	4.23	21.700		
1,100.0	1,100.0	1,087.7	1,085.4	2.4	2.4	-139.43	-77.7	-66.5	103.2	98.5	4.72	21.851		
1,200.0	1,200.0	1,183.0	1,179.0	2.6	2.7	-133.93	-80.9	-83.9	118.3	113.0	5.26	22.485		
1,300.0	1,300.0	1,277.0	1,270.7	2.8	3.1	-129.07	-84.5	-104.1	137.1	131.2	5.85	23.437		
1,400.0	1,400.0	1,372.9	1,363.8	3.0	3.5	-124.94	-88.7	-126.9	158.8	152.3	6.49	24.463		
1,500.0	1,500.0	1,469.9	1,457.9	3.3	4.0	-121.75	-92.9	-150.1	181.2	174.1	7.17	25.290		
1,600.0	1,600.0	1,566.9	1,552.0	3.5	4.4	-119.27	-97.1	-173.3	204.1	196.2	7.86	25.974		
1,700.0	1,700.0	1,664.3	1,646.5	3.7	4.9	-21.53	-101.3	-196.5	225.7	218.2	7.49	30.137		
1,800.0	1,799.8	1,762.5	1,741.7	3.9	5.4	-20.18	-105.6	-220.0	244.2	236.3	7.93	30.780		
1,900.0	1,899.5	1,861.2	1,837.5	4.1	5.9	-19.29	-109.9	-243.6	259.6	251.2	8.39	30.948		
2,000.0	1,998.7	1,960.4	1,933.7	4.3	6.4	-18.75	-114.2	-267.3	271.8	262.9	8.85	30.708		
2,100.0	2,097.5	2,060.0	2,030.3	4.6	6.9	-18.49	-118.5	-291.0	281.0	271.7	9.33	30.119		
2,200.0	2,196.3	2,159.6	2,127.0	4.9	7.4	-18.31	-122.8	-314.8	289.7	279.9	9.83	29.481		
2,300.0	2,295.0	2,259.2	2,223.6	5.1	7.9	-18.15	-127.1	-338.6	298.5	288.1	10.33	28.891		
2,400.0	2,393.8	2,358.9	2,320.2	5.4	8.4	-17.99	-131.5	-362.4	307.2	296.4	10.84	28.344		
2,500.0	2,492.5	2,458.5	2,416.9	5.7	8.9	-17.85	-135.8	-386.2	315.9	304.6	11.35	27.836		
2,600.0	2,591.2	2,558.1	2,513.5	6.0	9.4	-17.71	-140.1	-410.0	324.7	312.8	11.87	27.365		
2,700.0	2,690.0	2,657.7	2,610.1	6.4	10.0	-17.57	-144.4	-433.8	333.4	321.0	12.38	26.927		
2,800.0	2,788.7	2,757.3	2,706.8	6.7	10.5	-17.45	-148.8	-457.6	342.2	329.3	12.90	26.519		
2,900.0	2,887.5	2,856.9	2,803.4	7.0	11.0	-17.33	-153.1	-481.4	350.9	337.5	13.43	26.139		
3,000.0	2,986.2	2,956.5	2,900.0	7.4	11.5	-17.22	-157.4	-505.2	359.7	345.7	13.95	25.784		
3,100.0	3,085.0	3,056.2	2,996.7	7.7	12.0	-17.11	-161.7	-529.0	368.4	353.9	14.48	25.451		
3,200.0	3,183.7	3,155.8	3,093.3	8.0	12.6	-17.01	-166.1	-552.7	377.2	362.2	15.00	25.140		
3,300.0	3,282.4	3,255.4	3,190.0	8.4	13.1	-16.91	-170.4	-576.5	385.9	370.4	15.53	24.848		
3,400.0	3,381.2	3,355.0	3,286.6	8.7	13.6	-16.81	-174.7	-600.3	394.7	378.6	16.06	24.573		
3,500.0	3,479.9	3,454.6	3,383.2	9.1	14.1	-16.73	-179.0	-624.1	403.4	386.8	16.59	24.314		
3,600.0	3,578.7	3,554.2	3,479.9	9.4	14.6	-16.64	-183.3	-647.9	412.2	395.1	17.12	24.070		
3,700.0	3,677.4	3,653.8	3,576.5	9.8	15.2	-16.56	-187.7	-671.7	420.9	403.3	17.66	23.840		
3,800.0	3,776.2	3,753.5	3,673.1	10.2	15.7	-16.48	-192.0	-695.5	429.7	411.5	18.19	23.623		
3,900.0	3,874.9	3,853.1	3,769.8	10.5	16.2	-16.40	-196.3	-719.3	438.5	419.7	18.72	23.416		
4,000.0	3,973.6	3,952.7	3,866.4	10.9	16.7	-16.33	-200.6	-743.1	447.2	428.0	19.26	23.221		
4,100.0	4,072.4	4,052.3	3,963.0	11.2	17.3	-16.26	-205.0	-766.9	456.0	436.2	19.79	23.036		
4,200.0	4,171.1	4,151.9	4,059.7	11.6	17.8	-16.19	-209.3	-790.7	464.7	444.4	20.33	22.859		
4,300.0	4,269.9	4,251.5	4,156.3	12.0	18.3	-16.13	-213.6	-814.5	473.5	452.6	20.87	22.692		
4,400.0	4,368.6	4,351.1	4,252.9	12.3	18.8	-16.06	-217.9	-838.3	482.2	460.8	21.40	22.532		
4,500.0	4,467.4	4,450.8	4,349.6	12.7	19.4	-16.00	-222.3	-862.0	491.0	469.1	21.94	22.380		
4,600.0	4,566.1	4,550.4	4,446.2	13.1	19.9	-15.95	-226.6	-885.8	499.8	477.3	22.48	22.235		
4,700.0	4,664.8	4,650.0	4,542.8	13.4	20.4	-15.89	-230.9	-909.6	508.5	485.5	23.01	22.096		
4,800.0	4,763.6	4,749.6	4,639.5	13.8	20.9	-15.84	-235.2	-933.4	517.3	493.7	23.55	21.963		
4,900.0	4,862.3	4,849.2	4,736.1	14.2	21.5	-15.78	-239.6	-957.2	526.1	502.0	24.09	21.836		
5,000.0	4,961.1	4,948.8	4,832.7	14.5	22.0	-15.73	-243.9	-981.0	534.8	510.2	24.63	21.714		
5,100.0	5,059.8	5,048.4	4,929.4	14.9	22.5	-15.68	-248.2	-1,004.8	543.6	518.4	25.17	21.598		

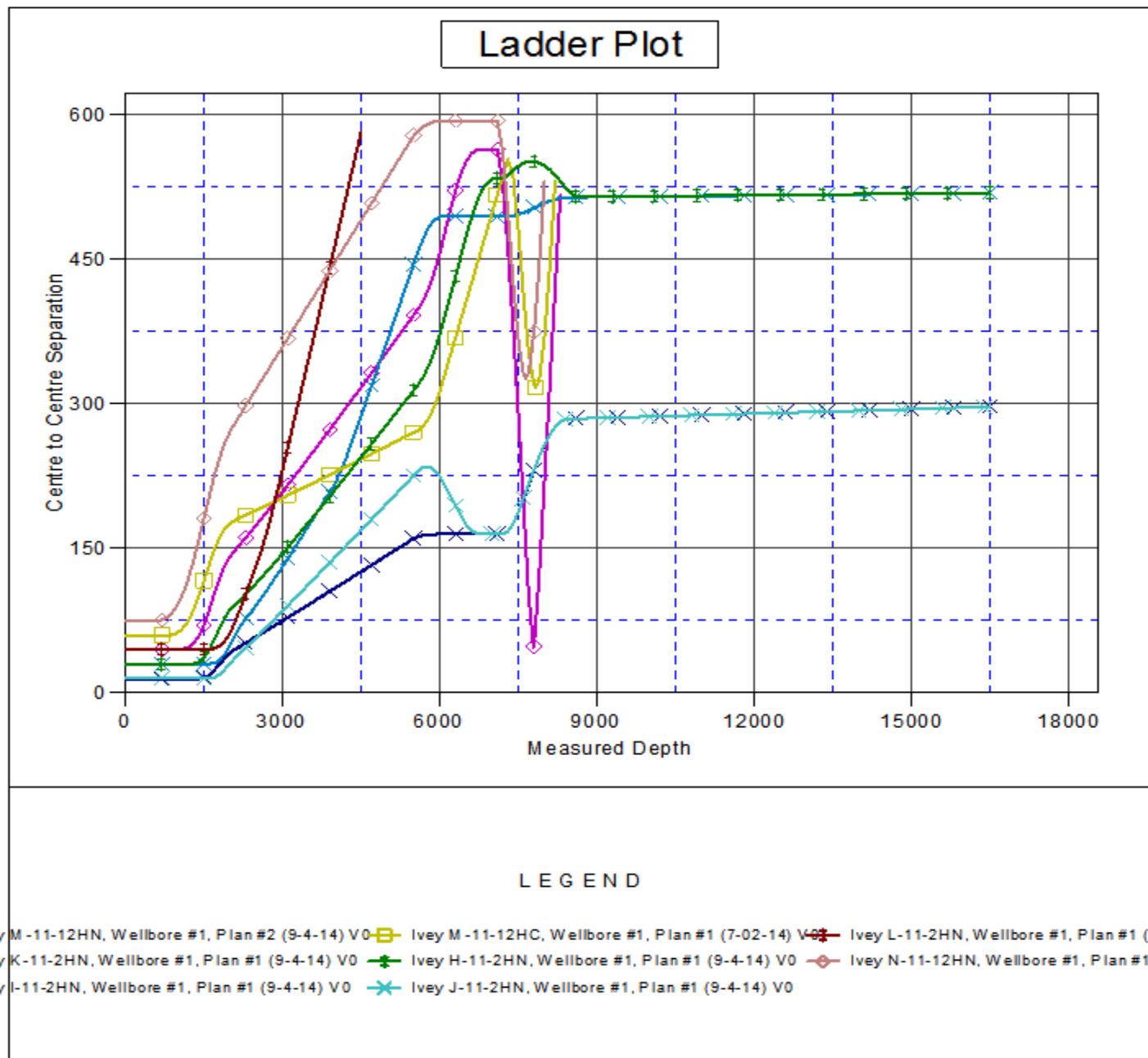
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (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
5,200.0	5,158.6	5,148.1	5,026.0	15.3	23.0	-15.64	-252.5	-1,028.6	552.3	526.6	25.71	21.486	
5,300.0	5,257.3	5,247.7	5,122.6	15.6	23.6	-15.59	-256.8	-1,052.4	561.1	534.9	26.25	21.378	
5,400.0	5,356.0	5,347.3	5,219.3	16.0	24.1	-15.54	-261.2	-1,076.2	569.9	543.1	26.79	21.275	
5,500.0	5,454.8	5,449.8	5,318.7	16.4	24.6	-15.50	-265.6	-1,100.6	578.6	551.3	27.33	21.171	
5,600.0	5,553.5	5,574.5	5,440.4	16.8	25.1	-15.51	-270.4	-1,127.2	584.8	556.9	27.89	20.963	
5,700.0	5,652.6	5,699.5	5,563.6	17.0	25.5	-15.58	-274.3	-1,148.6	588.5	560.1	28.37	20.744	
5,800.0	5,752.0	5,824.8	5,687.8	17.2	25.8	-15.63	-277.3	-1,164.7	591.4	562.6	28.79	20.544	
5,900.0	5,851.8	5,950.2	5,812.7	17.4	26.0	-15.66	-279.2	-1,175.5	593.3	564.1	29.14	20.359	
6,000.0	5,951.7	6,075.8	5,938.1	17.6	26.2	-15.68	-280.2	-1,180.8	594.2	564.8	29.43	20.189	
6,100.0	6,051.7	6,188.4	6,050.7	17.7	26.3	-111.42	-280.3	-1,181.5	594.4	564.6	29.76	19.969	
6,200.0	6,151.7	6,288.4	6,150.7	17.9	26.4	-111.42	-280.3	-1,181.5	594.4	564.2	30.12	19.731	
6,300.0	6,251.7	6,388.4	6,250.7	18.1	26.5	-111.42	-280.3	-1,181.5	594.4	563.9	30.48	19.497	
6,400.0	6,351.7	6,488.4	6,350.7	18.2	26.6	-111.42	-280.3	-1,181.5	594.4	563.5	30.85	19.267	
6,500.0	6,451.7	6,588.4	6,450.7	18.4	26.8	-111.42	-280.3	-1,181.5	594.4	563.1	31.21	19.041	
6,600.0	6,551.7	6,688.4	6,550.7	18.6	26.9	-111.42	-280.3	-1,181.5	594.4	562.8	31.58	18.820	
6,700.0	6,651.7	6,788.4	6,650.7	18.7	27.0	-111.42	-280.3	-1,181.5	594.4	562.4	31.95	18.602	
6,800.0	6,751.7	6,888.4	6,750.7	18.9	27.1	-111.42	-280.3	-1,181.5	594.4	562.0	32.32	18.388	
6,900.0	6,851.7	6,988.4	6,850.7	19.1	27.2	-111.42	-280.3	-1,181.5	594.4	561.7	32.70	18.177	
7,000.0	6,951.7	7,088.4	6,950.7	19.2	27.3	-111.42	-280.3	-1,181.5	594.4	561.3	33.07	17.971	
7,100.0	7,051.7	7,223.2	7,085.5	19.4	27.5	-111.48	-280.3	-1,180.1	594.1	560.6	33.50	17.731	
7,200.0	7,151.7	7,360.5	7,143.6	19.6	26.8	-116.91	-280.7	-1,056.7	562.8	528.3	34.52	16.305	
7,300.0	7,251.7	7,502.7	7,240.0	19.7	26.3	-128.56	-281.2	-901.7	499.3	462.7	36.65	13.624	
7,400.0	7,351.5	7,643.3	7,338.8	19.9	26.3	-147.01	-281.6	-796.7	427.3	386.8	40.47	10.560	
7,500.0	7,449.8	8,031.0	7,704.3	20.1	26.5	-161.32	-281.8	-729.6	365.8	323.2	42.61	8.584	
7,600.0	7,544.6	8,078.0	7,720.1	20.2	26.6	-169.99	-281.9	-685.4	330.2	287.7	42.52	7.766 SF	
7,643.3	7,584.1	8,093.2	7,724.6	20.3	26.7	-172.61	-282.0	-670.9	326.3	284.3	42.01	7.766	
7,700.0	7,634.0	8,109.7	7,729.1	20.4	26.8	-175.38	-282.0	-655.0	333.0	292.0	41.01	8.119	
7,800.0	7,716.4	8,131.9	7,734.6	20.5	26.9	-179.14	-282.1	-633.5	374.8	336.2	38.62	9.705	
7,900.0	7,790.1	8,147.8	7,738.1	20.7	27.0	177.65	-282.2	-618.0	444.9	409.2	35.67	12.473	
8,000.0	7,853.7	8,159.4	7,740.4	21.0	27.0	173.95	-282.2	-606.7	531.3	498.8	32.51	16.343	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (9-4-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5130.5ft (Original Well Elev) Coordinates are relative to: Ivey I-11-2HC
 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°



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-11-2HC
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 I-11-2HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (9-4-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5130.5ft (Original Well Elev) Coordinates are relative to: Ivey I-11-2HC
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
 Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.35°

