

Bayswater Exploration & Production, LLC

Well Name: **Ivey K-11-2HN**

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

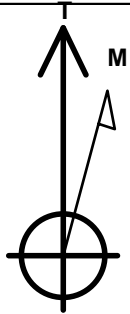
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 5107.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1234269.06	3149800.10	39.975213	-104.965484	
Original Well Elev WELL @ 5129.5ft (Original Well Elev)						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1162'FSL, 1699'FEL, SEC.11	1.0	0.0	0.0	Point
BHL 465'FNL, 1840'FEL, SEC.2	7829.0	8683.5	-114.0	Point
LANDING PT. 1785'FSL, 1840'FEL, SEC.11	7845.0	623.3	-141.2	Point



Azimuths to True North
Magnetic North: 8.52°

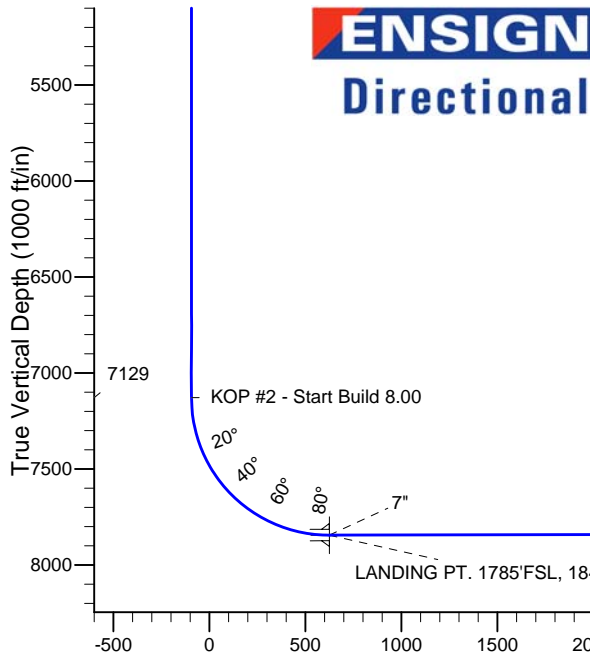
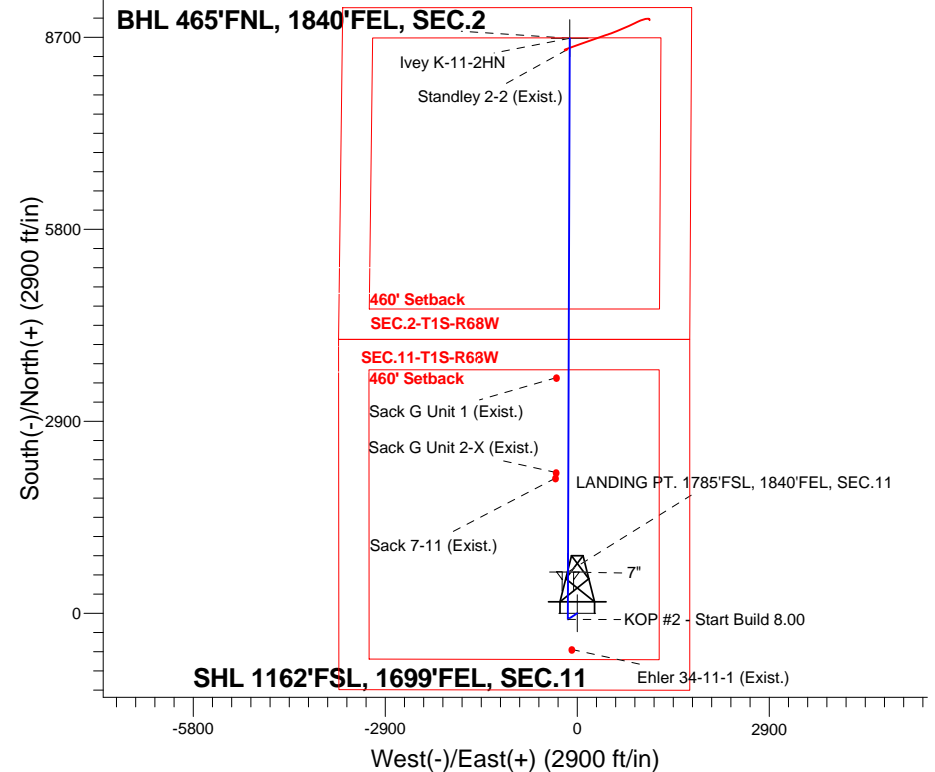
Magnetic Field
Strength: 52560.9nT
Dip Angle: 66.57°
Date: 7/10/2014
Model: IGRF2010

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

ANNOTATIONS

TVD	MD	Annotation
2000.0	2000.0	KOP - Start Build 2.00
3948.0	3954.9	Start Drop -2.00
7128.8	7136.1	KOP #2 - Start Build 8.00
7829.0	16323.1	TD at 16323.1

BHL 465'FNL, 1840'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	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	2252.4	5.05	236.60	2252.1	-6.1	-9.3	2.00	236.60	-6.0	
4	3954.9	5.05	236.60	3947.9	-88.6	-134.3	0.00	0.00	-86.8	
5	4207.3	0.00	0.00	4200.0	-94.7	-143.6	2.00	180.00	-92.8	
6	7136.1	0.00	0.00	7128.8	-94.7	-143.6	0.00	0.00	-92.8	
7	8262.4	90.11	0.19	7845.0	622.9	-141.3	8.00	0.19	624.7	
8	8262.9	90.11	0.19	7845.0	623.3	-141.2	0.00	0.00	625.1	LANDING PT. 1785'FSL, 1840'FEL, SEC.11
9	8263.6	90.11	0.19	7845.0	624.0	-141.2	1.00	58.00	625.8	
10	16323.1	90.11	0.19	7829.0	8683.5	-114.0	0.00	0.00	8684.2	BHL 465'FNL, 1840'FEL, SEC.2

BHL 465'FNL, 1840'FEL, SEC.2

Vertical Section at 359.25° (1000 ft/in)



Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey K-11-2HN

Wellbore #1

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

Standard Planning Report

08 September, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	landmark	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey K-11-2HN	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 K-11-2HN					
Well Position	+N-S	-14.2 ft	Northing:	1,234,269.06 ft	Latitude:	39.975213
	+E-W	-5.0 ft	Easting:	3,149,800.10 ft	Longitude:	-104.965484
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,107.0 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 (9-4-14)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	359.25

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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,252.4	5.05	236.60	2,252.1	-6.1	-9.3	2.00	2.00	0.00	236.60	
3,954.9	5.05	236.60	3,947.9	-88.6	-134.3	0.00	0.00	0.00	0.00	
4,207.3	0.00	0.00	4,200.0	-94.7	-143.6	2.00	-2.00	0.00	180.00	
7,136.1	0.00	0.00	7,128.8	-94.7	-143.6	0.00	0.00	0.00	0.00	
8,262.4	90.11	0.19	7,845.0	622.9	-141.3	8.00	8.00	0.00	0.19	
8,262.9	90.11	0.19	7,845.0	623.3	-141.2	0.00	0.00	0.00	0.00	LANDING PT. 1785
8,263.6	90.11	0.19	7,845.0	624.0	-141.2	1.00	0.53	0.85	58.00	
16,323.1	90.11	0.19	7,829.0	8,683.5	-114.0	0.00	0.00	0.00	0.00	BHL 465'FNL, 1840

Database:	landmark	Local Co-ordinate Reference:	Well Ivey K-11-2HN
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Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey K-11-2HN	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
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.00									
2,100.0	2.00	236.60	2,100.0	-1.0	-1.5	-0.9	2.00	2.00	0.00
2,200.0	4.00	236.60	2,199.8	-3.8	-5.8	-3.8	2.00	2.00	0.00
2,252.4	5.05	236.60	2,252.1	-6.1	-9.3	-6.0	2.00	2.00	0.00
2,300.0	5.05	236.60	2,299.5	-8.4	-12.8	-8.3	0.00	0.00	0.00
2,400.0	5.05	236.60	2,399.1	-13.3	-20.1	-13.0	0.00	0.00	0.00
2,500.0	5.05	236.60	2,498.7	-18.1	-27.5	-17.7	0.00	0.00	0.00
2,600.0	5.05	236.60	2,598.3	-23.0	-34.8	-22.5	0.00	0.00	0.00
2,700.0	5.05	236.60	2,697.9	-27.8	-42.2	-27.2	0.00	0.00	0.00
2,800.0	5.05	236.60	2,797.5	-32.6	-49.5	-32.0	0.00	0.00	0.00
2,900.0	5.05	236.60	2,897.2	-37.5	-56.8	-36.7	0.00	0.00	0.00
3,000.0	5.05	236.60	2,996.8	-42.3	-64.2	-41.5	0.00	0.00	0.00
3,100.0	5.05	236.60	3,096.4	-47.2	-71.5	-46.2	0.00	0.00	0.00
3,200.0	5.05	236.60	3,196.0	-52.0	-78.9	-51.0	0.00	0.00	0.00
3,300.0	5.05	236.60	3,295.6	-56.9	-86.2	-55.7	0.00	0.00	0.00
3,400.0	5.05	236.60	3,395.2	-61.7	-93.6	-60.5	0.00	0.00	0.00
3,500.0	5.05	236.60	3,494.8	-66.5	-100.9	-65.2	0.00	0.00	0.00
3,600.0	5.05	236.60	3,594.4	-71.4	-108.3	-70.0	0.00	0.00	0.00
3,700.0	5.05	236.60	3,694.1	-76.2	-115.6	-74.7	0.00	0.00	0.00
3,800.0	5.05	236.60	3,793.7	-81.1	-122.9	-79.5	0.00	0.00	0.00
3,900.0	5.05	236.60	3,893.3	-85.9	-130.3	-84.2	0.00	0.00	0.00
3,954.9	5.05	236.60	3,948.0	-88.6	-134.3	-86.8	0.00	0.00	0.00
Start Drop -2.00									
4,000.0	4.15	236.60	3,992.9	-90.6	-137.3	-88.8	2.00	-2.00	0.00
4,100.0	2.15	236.60	4,092.8	-93.6	-141.9	-91.7	2.00	-2.00	0.00
4,200.0	0.15	236.60	4,192.7	-94.7	-143.6	-92.8	2.00	-2.00	0.00
4,207.3	0.00	0.00	4,200.0	-94.7	-143.6	-92.8	2.00	-2.00	0.00
4,300.0	0.00	0.00	4,292.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
4,400.0	0.00	0.00	4,392.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
4,500.0	0.00	0.00	4,492.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
4,600.0	0.00	0.00	4,592.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
4,700.0	0.00	0.00	4,692.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
4,800.0	0.00	0.00	4,792.7	-94.7	-143.6	-92.8	0.00	0.00	0.00

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Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey K-11-2HN	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)
4,900.0	0.00	0.00	4,892.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
5,000.0	0.00	0.00	4,992.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
5,100.0	0.00	0.00	5,092.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
5,200.0	0.00	0.00	5,192.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
5,300.0	0.00	0.00	5,292.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
5,400.0	0.00	0.00	5,392.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
5,500.0	0.00	0.00	5,492.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
5,600.0	0.00	0.00	5,592.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
5,700.0	0.00	0.00	5,692.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
5,800.0	0.00	0.00	5,792.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
5,900.0	0.00	0.00	5,892.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
6,000.0	0.00	0.00	5,992.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
6,100.0	0.00	0.00	6,092.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
6,200.0	0.00	0.00	6,192.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
6,300.0	0.00	0.00	6,292.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
6,400.0	0.00	0.00	6,392.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
6,500.0	0.00	0.00	6,492.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
6,600.0	0.00	0.00	6,592.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
6,700.0	0.00	0.00	6,692.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,792.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
6,900.0	0.00	0.00	6,892.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
7,000.0	0.00	0.00	6,992.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
7,100.0	0.00	0.00	7,092.7	-94.7	-143.6	-92.8	0.00	0.00	0.00
7,136.1	0.00	0.00	7,128.8	-94.7	-143.6	-92.8	0.00	0.00	0.00
KOP #2 - Start Build 8.00									
7,200.0	5.12	0.19	7,192.7	-91.8	-143.6	-90.0	8.01	8.01	0.00
7,300.0	13.12	0.19	7,291.3	-76.0	-143.5	-74.1	8.00	8.00	0.00
7,400.0	21.12	0.19	7,386.8	-46.6	-143.4	-44.7	8.00	8.00	0.00
7,500.0	29.12	0.19	7,477.3	-4.2	-143.3	-2.3	8.00	8.00	0.00
7,600.0	37.12	0.19	7,561.0	50.4	-143.1	52.3	8.00	8.00	0.00
7,700.0	45.12	0.19	7,636.2	116.1	-142.9	118.0	8.00	8.00	0.00
7,800.0	53.12	0.19	7,701.7	191.6	-142.7	193.5	8.00	8.00	0.00
7,900.0	61.12	0.19	7,755.9	275.5	-142.4	277.4	8.00	8.00	0.00
8,000.0	69.12	0.19	7,797.9	366.2	-142.1	368.0	8.00	8.00	0.00
8,100.0	77.12	0.19	7,827.0	461.8	-141.8	463.6	8.00	8.00	0.00
8,200.0	85.12	0.19	7,842.4	560.5	-141.5	562.3	8.00	8.00	0.00
8,262.4	90.11	0.19	7,845.0	622.9	-141.3	624.7	8.00	8.00	0.00
8,262.9	90.11	0.19	7,845.0	623.3	-141.2	625.1	0.00	0.00	0.00
7"									
8,263.6	90.11	0.19	7,845.0	624.0	-141.2	625.8	1.04	0.55	0.88
8,300.0	90.11	0.19	7,844.9	660.4	-141.1	662.2	0.00	0.00	0.00
8,400.0	90.11	0.19	7,844.7	760.4	-140.8	762.2	0.00	0.00	0.00
8,500.0	90.11	0.19	7,844.5	860.4	-140.4	862.2	0.00	0.00	0.00
8,600.0	90.11	0.19	7,844.3	960.4	-140.1	962.2	0.00	0.00	0.00
8,700.0	90.11	0.19	7,844.1	1,060.4	-139.8	1,062.2	0.00	0.00	0.00
8,800.0	90.11	0.19	7,843.9	1,160.4	-139.4	1,162.2	0.00	0.00	0.00
8,900.0	90.11	0.19	7,843.7	1,260.4	-139.1	1,262.1	0.00	0.00	0.00
9,000.0	90.11	0.19	7,843.5	1,360.4	-138.8	1,362.1	0.00	0.00	0.00
9,100.0	90.11	0.19	7,843.3	1,460.4	-138.4	1,462.1	0.00	0.00	0.00
9,200.0	90.11	0.19	7,843.1	1,560.4	-138.1	1,562.1	0.00	0.00	0.00
9,300.0	90.11	0.19	7,842.9	1,660.4	-137.7	1,662.1	0.00	0.00	0.00
9,400.0	90.11	0.19	7,842.7	1,760.4	-137.4	1,762.1	0.00	0.00	0.00
9,500.0	90.11	0.19	7,842.5	1,860.4	-137.1	1,862.1	0.00	0.00	0.00
9,600.0	90.11	0.19	7,842.3	1,960.4	-136.7	1,962.0	0.00	0.00	0.00

Database:	landmark	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey K-11-2HN	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	90.11	0.19	7,842.1	2,060.4	-136.4	2,062.0	0.00	0.00	0.00
9,800.0	90.11	0.19	7,841.9	2,160.4	-136.1	2,162.0	0.00	0.00	0.00
9,900.0	90.11	0.19	7,841.8	2,260.4	-135.7	2,262.0	0.00	0.00	0.00
10,000.0	90.11	0.19	7,841.6	2,360.4	-135.4	2,362.0	0.00	0.00	0.00
10,100.0	90.11	0.19	7,841.4	2,460.4	-135.0	2,462.0	0.00	0.00	0.00
10,200.0	90.11	0.19	7,841.2	2,560.4	-134.7	2,562.0	0.00	0.00	0.00
10,300.0	90.11	0.19	7,841.0	2,660.4	-134.4	2,662.0	0.00	0.00	0.00
10,400.0	90.11	0.19	7,840.8	2,760.4	-134.0	2,761.9	0.00	0.00	0.00
10,500.0	90.11	0.19	7,840.6	2,860.4	-133.7	2,861.9	0.00	0.00	0.00
10,600.0	90.11	0.19	7,840.4	2,960.4	-133.4	2,961.9	0.00	0.00	0.00
10,700.0	90.11	0.19	7,840.2	3,060.4	-133.0	3,061.9	0.00	0.00	0.00
10,800.0	90.11	0.19	7,840.0	3,160.4	-132.7	3,161.9	0.00	0.00	0.00
10,900.0	90.11	0.19	7,839.8	3,260.4	-132.3	3,261.9	0.00	0.00	0.00
11,000.0	90.11	0.19	7,839.6	3,360.4	-132.0	3,361.9	0.00	0.00	0.00
11,100.0	90.11	0.19	7,839.4	3,460.4	-131.7	3,461.8	0.00	0.00	0.00
11,200.0	90.11	0.19	7,839.2	3,560.4	-131.3	3,561.8	0.00	0.00	0.00
11,300.0	90.11	0.19	7,839.0	3,660.4	-131.0	3,661.8	0.00	0.00	0.00
11,400.0	90.11	0.19	7,838.8	3,760.4	-130.7	3,761.8	0.00	0.00	0.00
11,500.0	90.11	0.19	7,838.6	3,860.4	-130.3	3,861.8	0.00	0.00	0.00
11,600.0	90.11	0.19	7,838.4	3,960.4	-130.0	3,961.8	0.00	0.00	0.00
11,700.0	90.11	0.19	7,838.2	4,060.4	-129.6	4,061.8	0.00	0.00	0.00
11,800.0	90.11	0.19	7,838.0	4,160.4	-129.3	4,161.7	0.00	0.00	0.00
11,900.0	90.11	0.19	7,837.8	4,260.4	-129.0	4,261.7	0.00	0.00	0.00
12,000.0	90.11	0.19	7,837.6	4,360.4	-128.6	4,361.7	0.00	0.00	0.00
12,100.0	90.11	0.19	7,837.4	4,460.4	-128.3	4,461.7	0.00	0.00	0.00
12,200.0	90.11	0.19	7,837.2	4,560.4	-128.0	4,561.7	0.00	0.00	0.00
12,300.0	90.11	0.19	7,837.0	4,660.4	-127.6	4,661.7	0.00	0.00	0.00
12,400.0	90.11	0.19	7,836.8	4,760.4	-127.3	4,761.7	0.00	0.00	0.00
12,500.0	90.11	0.19	7,836.6	4,860.4	-126.9	4,861.6	0.00	0.00	0.00
12,600.0	90.11	0.19	7,836.4	4,960.4	-126.6	4,961.6	0.00	0.00	0.00
12,700.0	90.11	0.19	7,836.2	5,060.4	-126.3	5,061.6	0.00	0.00	0.00
12,800.0	90.11	0.19	7,836.0	5,160.4	-125.9	5,161.6	0.00	0.00	0.00
12,900.0	90.11	0.19	7,835.8	5,260.4	-125.6	5,261.6	0.00	0.00	0.00
13,000.0	90.11	0.19	7,835.6	5,360.4	-125.3	5,361.6	0.00	0.00	0.00
13,100.0	90.11	0.19	7,835.4	5,460.4	-124.9	5,461.6	0.00	0.00	0.00
13,200.0	90.11	0.19	7,835.2	5,560.4	-124.6	5,561.6	0.00	0.00	0.00
13,300.0	90.11	0.19	7,835.0	5,660.4	-124.2	5,661.5	0.00	0.00	0.00
13,400.0	90.11	0.19	7,834.8	5,760.4	-123.9	5,761.5	0.00	0.00	0.00
13,500.0	90.11	0.19	7,834.6	5,860.4	-123.6	5,861.5	0.00	0.00	0.00
13,600.0	90.11	0.19	7,834.4	5,960.4	-123.2	5,961.5	0.00	0.00	0.00
13,700.0	90.11	0.19	7,834.2	6,060.4	-122.9	6,061.5	0.00	0.00	0.00
13,800.0	90.11	0.19	7,834.0	6,160.4	-122.5	6,161.5	0.00	0.00	0.00
13,900.0	90.11	0.19	7,833.8	6,260.4	-122.2	6,261.5	0.00	0.00	0.00
14,000.0	90.11	0.19	7,833.6	6,360.4	-121.9	6,361.4	0.00	0.00	0.00
14,100.0	90.11	0.19	7,833.4	6,460.4	-121.5	6,461.4	0.00	0.00	0.00
14,200.0	90.11	0.19	7,833.2	6,560.4	-121.2	6,561.4	0.00	0.00	0.00
14,300.0	90.11	0.19	7,833.0	6,660.4	-120.9	6,661.4	0.00	0.00	0.00
14,400.0	90.11	0.19	7,832.8	6,760.4	-120.5	6,761.4	0.00	0.00	0.00
14,500.0	90.11	0.19	7,832.6	6,860.4	-120.2	6,861.4	0.00	0.00	0.00
14,600.0	90.11	0.19	7,832.4	6,960.4	-119.8	6,961.4	0.00	0.00	0.00
14,700.0	90.11	0.19	7,832.2	7,060.4	-119.5	7,061.3	0.00	0.00	0.00
14,800.0	90.11	0.19	7,832.0	7,160.4	-119.2	7,161.3	0.00	0.00	0.00
14,900.0	90.11	0.19	7,831.8	7,260.4	-118.8	7,261.3	0.00	0.00	0.00
15,000.0	90.11	0.19	7,831.6	7,360.4	-118.5	7,361.3	0.00	0.00	0.00

Database:	landmark	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey K-11-2HN	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	90.11	0.19	7,831.4	7,460.4	-118.2	7,461.3	0.00	0.00	0.00	
15,200.0	90.11	0.19	7,831.2	7,560.4	-117.8	7,561.3	0.00	0.00	0.00	
15,300.0	90.11	0.19	7,831.0	7,660.4	-117.5	7,661.3	0.00	0.00	0.00	
15,400.0	90.11	0.19	7,830.8	7,760.4	-117.1	7,761.2	0.00	0.00	0.00	
15,500.0	90.11	0.19	7,830.6	7,860.4	-116.8	7,861.2	0.00	0.00	0.00	
15,600.0	90.11	0.19	7,830.4	7,960.4	-116.5	7,961.2	0.00	0.00	0.00	
15,700.0	90.11	0.19	7,830.2	8,060.4	-116.1	8,061.2	0.00	0.00	0.00	
15,800.0	90.11	0.19	7,830.0	8,160.4	-115.8	8,161.2	0.00	0.00	0.00	
15,900.0	90.11	0.19	7,829.8	8,260.4	-115.5	8,261.2	0.00	0.00	0.00	
16,000.0	90.11	0.19	7,829.6	8,360.4	-115.1	8,361.2	0.00	0.00	0.00	
16,100.0	90.11	0.19	7,829.4	8,460.4	-114.8	8,461.2	0.00	0.00	0.00	
16,200.0	90.11	0.19	7,829.2	8,560.4	-114.4	8,561.1	0.00	0.00	0.00	
16,300.0	90.11	0.19	7,829.0	8,660.4	-114.1	8,661.1	0.00	0.00	0.00	
16,323.1	90.11	0.19	7,829.0	8,683.5	-114.0	8,684.2	0.00	0.00	0.00	
TD at 16323.1										

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										
LANDING PT. 1785'F	0.00	0.00	7,845.0	623.3	-141.2	1,234,891.48	3,149,655.10	39.976924	-104.965988	
- plan hits target										
- Point										
BHL 465'FNL, 1840'F	0.00	0.00	7,829.0	8,683.5	-114.0	1,242,951.41	3,149,633.73	39.999050	-104.965891	
- plan hits target										
- Point										
SHL 1162'FSL, 1699'F	0.00	0.00	1.0	0.0	0.0	1,234,269.07	3,149,800.10	39.975213	-104.965484	
- plan hits target										
- Point										

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")		
8,262.9	7,845.0	7"	7	7-1/2		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
2,000.0	2,000.0	0.0	0.0	KOP - Start Build 2.00	
3,954.9	3,948.0	-88.6	-134.3	Start Drop -2.00	
7,136.1	7,128.8	-94.7	-143.6	KOP #2 - Start Build 8.00	
16,323.1	7,829.0	8,683.5	-114.0	TD at 16323.1	



Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey K-11-2HN

Wellbore #1

Plan #1 (9-4-14)

Anticollision Report

08 September, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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 (9-4-14)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 600.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 9/4/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	16,322.1	Plan #1 (9-4-14) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Existing Pad Sec.11-T1S-R68W						
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	4,240.9	4,202.2	459.5	366.1	4.918	CC
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	7,102.1	7,063.4	459.6	302.9	2.932	ES
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	7,200.0	7,161.2	462.4	304.1	2.921	SF
Sack 7-11 (Exist.) - Wellbore #1 - Wellbore #1	9,678.2	7,836.7	191.1	-8.0	0.960	Level 1, CC, ES, SF
Sack G Unit 1 (Exist.) - Wellbore #1 - Wellbore #1	11,197.0	7,850.7	181.4	-45.7	0.799	Level 1, CC
Sack G Unit 1 (Exist.) - Wellbore #1 - Wellbore #1	11,200.0	7,850.7	181.4	-45.7	0.799	Level 1, ES, SF
Sack G Unit 2-X (Exist.) - Wellbore #1 - Wellbore #1	9,762.3	7,833.5	182.4	-18.1	0.910	Level 1, CC, ES, SF
Standley 2-2 (Exist.) - Wellbore #1 - Wellbore #1	16,144.1	8,043.1	54.3	-285.7	0.160	Level 1, CC, ES, SF
Ivey Pad Sec.11-T1S-R68W						
Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,166.3	1,167.3	60.1	55.1	11.981	CC
Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,300.0	1,300.5	60.5	54.9	10.792	ES
Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,500.0	1,498.6	65.2	58.7	10.055	SF
Ivey I-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	1,566.3	1,567.3	30.2	23.4	4.436	CC
Ivey I-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	1,600.0	1,601.0	30.2	23.3	4.340	ES
Ivey I-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	16,323.1	16,502.8	519.4	199.0	1.621	SF
Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,366.3	1,367.3	45.0	39.1	7.598	CC
Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,400.0	1,401.0	45.0	38.9	7.409	ES
Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,600.0	1,599.4	48.2	41.3	6.957	SF
Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,766.3	1,767.3	15.1	7.4	1.953	CC
Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,800.0	1,801.0	15.1	7.2	1.916	ES
Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	16,323.1	16,247.7	342.1	17.5	1.054	Level 2, SF
Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	2,000.0	2,000.0	15.1	6.3	1.720	CC
Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	16,323.1	16,322.3	330.0	-3.6	0.989	Level 1, ES, SF
Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)	766.3	767.3	90.0	86.7	27.918	CC
Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)	800.0	801.0	90.0	86.6	26.667	ES
Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)	7,600.0	8,835.1	468.7	427.9	11.496	SF
Ivey M-11-12HN - Wellbore #1 - Plan #2 (9-4-14)	966.3	967.3	75.2	71.1	18.254	CC
Ivey M-11-12HN - Wellbore #1 - Plan #2 (9-4-14)	1,000.0	1,001.0	75.2	71.0	17.608	ES
Ivey M-11-12HN - Wellbore #1 - Plan #2 (9-4-14)	7,700.0	8,626.0	152.5	114.5	4.021	SF
Ivey M-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	1,000.0	999.0	37.7	33.4	8.826	CC, ES
Ivey M-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	1,100.0	1,097.9	39.1	34.4	8.325	SF
Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,500.0	1,500.0	24.5	18.0	3.755	CC, ES
Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,600.0	1,599.4	25.7	18.7	3.697	SF
Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	800.0	799.0	51.9	48.6	15.418	CC, ES
Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,000.0	995.4	58.3	54.0	13.788	SF
Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	400.0	399.0	66.4	64.8	42.266	CC, ES

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 K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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

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 O-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	800.0	788.0	92.6	89.2	27.518	SF
Ivey P-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	200.0	199.0	81.3	80.6	120.945	CC, ES
Ivey P-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	2,000.0	1,938.2	415.1	403.8	36.511	SF

Offset Design Existing Pad Sec.11-T1S-R68W - Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1													Offset Site Error: 0.0 ft	
Survey Program: 8707-UNKNOWN													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-171.57	-550.1	-81.6	557.0					
100.0	100.0	68.5	68.5	0.1	1.4	-171.57	-550.1	-81.6	556.1	554.6	1.48	375.075		
200.0	200.0	168.5	168.5	0.3	3.4	-171.57	-550.1	-81.6	556.1	552.4	3.71	149.994		
300.0	300.0	268.5	268.5	0.6	5.4	-171.57	-550.1	-81.6	556.1	550.1	5.93	93.741		
400.0	400.0	368.5	368.5	0.8	7.4	-171.57	-550.1	-81.6	556.1	547.9	8.16	68.173		
500.0	500.0	468.5	468.5	1.0	9.4	-171.57	-550.1	-81.6	556.1	545.7	10.38	53.564		
600.0	600.0	568.5	568.5	1.2	11.4	-171.57	-550.1	-81.6	556.1	543.5	12.61	44.111		
700.0	700.0	668.5	668.5	1.5	13.4	-171.57	-550.1	-81.6	556.1	541.2	14.83	37.494		
800.0	800.0	768.5	768.5	1.7	15.4	-171.57	-550.1	-81.6	556.1	539.0	17.06	32.603		
900.0	900.0	868.5	868.5	1.9	17.4	-171.57	-550.1	-81.6	556.1	536.8	19.28	28.841		
1,000.0	1,000.0	968.5	968.5	2.1	19.4	-171.57	-550.1	-81.6	556.1	534.6	21.51	25.858		
1,100.0	1,100.0	1,068.5	1,068.5	2.4	21.4	-171.57	-550.1	-81.6	556.1	532.3	23.73	23.433		
1,200.0	1,200.0	1,168.5	1,168.5	2.6	23.4	-171.57	-550.1	-81.6	556.1	530.1	25.95	21.425		
1,300.0	1,300.0	1,268.5	1,268.5	2.8	25.4	-171.57	-550.1	-81.6	556.1	527.9	28.18	19.733		
1,400.0	1,400.0	1,368.5	1,368.5	3.0	27.4	-171.57	-550.1	-81.6	556.1	525.7	30.40	18.289		
1,500.0	1,500.0	1,468.5	1,468.5	3.3	29.4	-171.57	-550.1	-81.6	556.1	523.5	32.63	17.042		
1,600.0	1,600.0	1,568.5	1,568.5	3.5	31.4	-171.57	-550.1	-81.6	556.1	521.2	34.85	15.955		
1,700.0	1,700.0	1,668.5	1,668.5	3.7	33.4	-171.57	-550.1	-81.6	556.1	519.0	37.08	14.997		
1,800.0	1,800.0	1,768.5	1,768.5	3.9	35.4	-171.57	-550.1	-81.6	556.1	516.8	39.30	14.148		
1,900.0	1,900.0	1,868.5	1,868.5	4.2	37.4	-171.57	-550.1	-81.6	556.1	514.6	41.53	13.390		
2,000.0	2,000.0	1,968.5	1,968.5	4.4	39.4	-171.57	-550.1	-81.6	556.1	512.3	43.75	12.709		
2,100.0	2,100.0	2,068.5	2,068.5	4.6	41.4	-48.31	-550.1	-81.6	554.9	509.0	45.94	12.078		
2,200.0	2,199.8	2,168.3	2,168.3	4.8	43.4	-48.77	-550.1	-81.6	551.4	503.4	48.09	11.467		
2,300.0	2,299.5	2,268.0	2,268.0	5.0	45.4	-49.47	-550.1	-81.6	546.0	495.7	50.24	10.867		
2,400.0	2,399.1	2,367.6	2,367.6	5.2	47.4	-50.18	-550.1	-81.6	540.3	487.9	52.43	10.304		
2,500.0	2,498.7	2,467.2	2,467.2	5.4	49.3	-50.90	-550.1	-81.6	534.7	480.1	54.63	9.787		
2,600.0	2,598.3	2,566.8	2,566.8	5.6	51.3	-51.64	-550.1	-81.6	529.2	472.3	56.83	9.311		
2,700.0	2,697.9	2,666.4	2,666.4	5.8	53.3	-52.39	-550.1	-81.6	523.8	464.7	59.04	8.871		
2,800.0	2,797.5	2,766.0	2,766.0	6.0	55.3	-53.16	-550.1	-81.6	518.4	457.2	61.25	8.463		
2,900.0	2,897.2	2,865.7	2,865.7	6.3	57.3	-53.94	-550.1	-81.6	513.2	449.7	63.47	8.085		
3,000.0	2,996.8	2,965.3	2,965.3	6.5	59.3	-54.74	-550.1	-81.6	508.0	442.3	65.69	7.734		
3,100.0	3,096.4	3,064.9	3,064.9	6.8	61.3	-55.56	-550.1	-81.6	503.0	435.1	67.92	7.406		
3,200.0	3,196.0	3,164.5	3,164.5	7.0	63.3	-56.39	-550.1	-81.6	498.1	427.9	70.14	7.100		
3,300.0	3,295.6	3,264.1	3,264.1	7.2	65.3	-57.24	-550.1	-81.6	493.2	420.9	72.38	6.815		
3,400.0	3,395.2	3,363.7	3,363.7	7.5	67.3	-58.11	-550.1	-81.6	488.5	413.9	74.61	6.547		
3,500.0	3,494.8	3,463.3	3,463.3	7.7	69.3	-58.99	-550.1	-81.6	483.9	407.1	76.85	6.297		
3,600.0	3,594.4	3,562.9	3,562.9	8.0	71.3	-59.89	-550.1	-81.6	479.4	400.3	79.09	6.062		
3,700.0	3,694.1	3,662.6	3,662.6	8.2	73.3	-60.80	-550.1	-81.6	475.1	393.7	81.34	5.841		
3,800.0	3,793.7	3,762.2	3,762.2	8.5	75.2	-61.73	-550.1	-81.6	470.8	387.2	83.58	5.633		
3,900.0	3,893.3	3,861.8	3,861.8	8.8	77.2	-62.68	-550.1	-81.6	466.7	380.9	85.83	5.437		

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 K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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 Existing Pad Sec.11-T1S-R68W - Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8707-UNKNOWN												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
4,000.0	3,992.9	3,961.4	3,961.4	9.0	79.2	-63.58	-550.1	-81.6	462.9	374.8	88.10	5.254	
4,100.0	4,092.8	4,061.3	4,061.3	9.2	81.2	-64.15	-550.1	-81.6	460.4	370.1	90.34	5.097	
4,200.0	4,192.7	4,161.2	4,161.2	9.4	83.2	-64.35	-550.1	-81.6	459.6	367.0	92.55	4.966	
4,240.9	4,233.7	4,202.2	4,202.2	9.5	84.0	-64.36	-550.1	-81.6	459.5	366.1	93.45	4.918 CC	
4,300.0	4,292.7	4,261.2	4,261.2	9.6	85.2	-64.36	-550.1	-81.6	459.6	364.8	94.74	4.851	
4,400.0	4,392.7	4,361.2	4,361.2	9.8	87.2	-64.36	-550.1	-81.6	459.6	362.6	96.95	4.740	
4,500.0	4,492.7	4,461.2	4,461.2	10.0	89.2	-64.36	-550.1	-81.6	459.6	360.4	99.15	4.635	
4,600.0	4,592.7	4,561.2	4,561.2	10.2	91.2	-64.36	-550.1	-81.6	459.6	358.2	101.36	4.534	
4,700.0	4,692.7	4,661.2	4,661.2	10.4	93.2	-64.36	-550.1	-81.6	459.6	356.0	103.57	4.438	
4,800.0	4,792.7	4,761.2	4,761.2	10.6	95.2	-64.36	-550.1	-81.6	459.6	353.8	105.77	4.345	
4,900.0	4,892.7	4,861.2	4,861.2	10.8	97.2	-64.36	-550.1	-81.6	459.6	351.6	107.98	4.256	
5,000.0	4,992.7	4,961.2	4,961.2	11.0	99.2	-64.36	-550.1	-81.6	459.6	349.4	110.19	4.171	
5,100.0	5,092.7	5,061.2	5,061.2	11.2	101.2	-64.36	-550.1	-81.6	459.6	347.2	112.40	4.089	
5,200.0	5,192.7	5,161.2	5,161.2	11.5	103.2	-64.36	-550.1	-81.6	459.6	345.0	114.61	4.010	
5,300.0	5,292.7	5,261.2	5,261.2	11.7	105.2	-64.36	-550.1	-81.6	459.6	342.8	116.82	3.934	
5,400.0	5,392.7	5,361.2	5,361.2	11.9	107.2	-64.36	-550.1	-81.6	459.6	340.5	119.03	3.861	
5,500.0	5,492.7	5,461.2	5,461.2	12.1	109.2	-64.36	-550.1	-81.6	459.6	338.3	121.24	3.791	
5,600.0	5,592.7	5,561.2	5,561.2	12.3	111.2	-64.36	-550.1	-81.6	459.6	336.1	123.46	3.723	
5,700.0	5,692.7	5,661.2	5,661.2	12.5	113.2	-64.36	-550.1	-81.6	459.6	333.9	125.67	3.657	
5,800.0	5,792.7	5,761.2	5,761.2	12.7	115.2	-64.36	-550.1	-81.6	459.6	331.7	127.88	3.594	
5,900.0	5,892.7	5,861.2	5,861.2	12.9	117.2	-64.36	-550.1	-81.6	459.6	329.5	130.09	3.533	
6,000.0	5,992.7	5,961.2	5,961.2	13.1	119.2	-64.36	-550.1	-81.6	459.6	327.3	132.31	3.474	
6,100.0	6,092.7	6,061.2	6,061.2	13.4	121.2	-64.36	-550.1	-81.6	459.6	325.1	134.52	3.416	
6,200.0	6,192.7	6,161.2	6,161.2	13.6	123.2	-64.36	-550.1	-81.6	459.6	322.8	136.74	3.361	
6,300.0	6,292.7	6,261.2	6,261.2	13.8	125.2	-64.36	-550.1	-81.6	459.6	320.6	138.95	3.307	
6,400.0	6,392.7	6,361.2	6,361.2	14.0	127.2	-64.36	-550.1	-81.6	459.6	318.4	141.17	3.256	
6,500.0	6,492.7	6,461.2	6,461.2	14.2	129.2	-64.36	-550.1	-81.6	459.6	316.2	143.38	3.205	
6,600.0	6,592.7	6,561.2	6,561.2	14.4	131.2	-64.36	-550.1	-81.6	459.6	314.0	145.60	3.156	
6,700.0	6,692.7	6,661.2	6,661.2	14.6	133.2	-64.36	-550.1	-81.6	459.6	311.8	147.81	3.109	
6,800.0	6,792.7	6,761.2	6,761.2	14.9	135.2	-64.36	-550.1	-81.6	459.6	309.5	150.03	3.063	
6,900.0	6,892.7	6,861.2	6,861.2	15.1	137.2	-64.36	-550.1	-81.6	459.6	307.3	152.25	3.019	
7,000.0	6,992.7	6,961.2	6,961.2	15.3	139.2	-64.36	-550.1	-81.6	459.6	305.1	154.46	2.975	
7,100.0	7,092.7	7,061.2	7,061.2	15.5	141.2	-64.36	-550.1	-81.6	459.6	302.9	156.68	2.933	
7,102.1	7,094.9	7,063.4	7,063.4	15.5	141.3	-64.36	-550.1	-81.6	459.6	302.9	156.73	2.932 ES	
7,200.0	7,192.7	7,161.2	7,161.2	15.7	143.2	-64.36	-550.1	-81.6	462.4	304.1	158.28	2.921 SF	
7,300.0	7,291.3	7,259.8	7,259.8	15.9	145.2	-64.36	-550.1	-81.6	478.1	321.0	157.04	3.044	
7,400.0	7,386.8	7,355.3	7,355.3	16.1	147.1	-64.36	-550.1	-81.6	507.2	354.6	152.68	3.322	
7,500.0	7,477.3	7,445.8	7,445.8	16.3	148.9	-64.36	-550.1	-81.6	549.3	404.1	145.23	3.783	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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 Existing Pad Sec.11-T1S-R68W - Sack 7-11 (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8170-UNKNOWN												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
9,200.0	7,843.1	7,837.6	7,837.6	34.3	156.8	-90.28	2,039.3	-327.6	515.0	324.0	190.95	2.697	
9,300.0	7,842.9	7,837.4	7,837.4	35.9	156.7	-90.23	2,039.3	-327.6	423.8	231.1	192.63	2.200	
9,400.0	7,842.7	7,837.2	7,837.2	37.6	156.7	-90.17	2,039.3	-327.6	337.5	143.2	194.33	1.737	
9,500.0	7,842.5	7,837.0	7,837.0	39.4	156.7	-90.11	2,039.3	-327.6	261.3	65.3	196.05	1.333 Level 3	
9,600.0	7,842.3	7,836.8	7,836.8	41.1	156.7	-90.05	2,039.3	-327.6	206.5	8.7	197.78	1.044 Level 2	
9,678.2	7,842.2	7,836.7	7,836.7	42.5	156.7	-90.00	2,039.3	-327.6	191.1	-8.0	199.15	0.960 Level 1, CC, ES, SF	
9,700.0	7,842.1	7,836.6	7,836.6	42.8	156.7	-89.99	2,039.3	-327.6	192.4	-7.2	199.53	0.964 Level 1	
9,800.0	7,841.9	7,836.4	7,836.4	44.6	156.7	-89.93	2,039.3	-327.6	226.6	25.3	201.29	1.126 Level 2	
9,900.0	7,841.8	7,836.3	7,836.3	46.4	156.7	-89.87	2,039.3	-327.6	292.8	89.7	203.07	1.442 Level 3	
10,000.0	7,841.6	7,836.1	7,836.1	48.2	156.7	-89.81	2,039.3	-327.6	374.3	169.4	204.85	1.827	
10,100.0	7,841.4	7,835.9	7,835.9	50.0	156.7	-89.75	2,039.3	-327.6	463.1	256.4	206.65	2.241	
10,200.0	7,841.2	7,835.7	7,835.7	51.8	156.7	-89.69	2,039.3	-327.6	555.7	347.2	208.45	2.666	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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 Existing Pad Sec.11-T1S-R68W - Sack G Unit 1 (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8820-UNKNOWN												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,700.0	7,840.2	7,851.7	7,851.7	60.9	157.0	-90.31	3,558.0	-312.7	529.0	311.1	217.90	2.428	
10,800.0	7,840.0	7,851.5	7,851.5	62.7	157.0	-90.25	3,558.0	-312.7	436.4	216.7	219.73	1.986	
10,900.0	7,839.8	7,851.3	7,851.3	64.6	157.0	-90.19	3,558.0	-312.7	348.0	126.4	221.58	1.570	
11,000.0	7,839.6	7,851.1	7,851.1	66.4	157.0	-90.12	3,558.0	-312.7	267.8	44.3	223.42	1.198 Level 2	
11,100.0	7,839.4	7,850.9	7,850.9	68.3	157.0	-90.06	3,558.0	-312.7	205.7	-19.6	225.27	0.913 Level 1	
11,197.0	7,839.2	7,850.7	7,850.7	70.1	157.0	-90.00	3,558.0	-312.7	181.4	-45.7	227.07	0.799 Level 1, CC	
11,200.0	7,839.2	7,850.7	7,850.7	70.1	157.0	-90.00	3,558.0	-312.7	181.4	-45.7	227.13	0.799 Level 1, ES, SF	
11,300.0	7,839.0	7,850.5	7,850.5	72.0	157.0	-89.94	3,558.0	-312.7	208.6	-20.4	228.98	0.911 Level 1	
11,400.0	7,838.8	7,850.3	7,850.3	73.9	157.0	-89.87	3,558.0	-312.7	272.3	41.4	230.84	1.179 Level 2	
11,500.0	7,838.6	7,850.1	7,850.1	75.7	157.0	-89.81	3,558.0	-312.7	353.2	120.5	232.70	1.518	
11,600.0	7,838.4	7,849.9	7,849.9	77.6	157.0	-89.75	3,558.0	-312.7	442.0	207.4	234.57	1.884	
11,700.0	7,838.2	7,849.7	7,849.7	79.5	157.0	-89.68	3,558.0	-312.7	534.7	298.3	236.43	2.262	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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 Existing Pad Sec.11-T1S-R68W - Sack G Unit 2-X (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8586-UNKNOWN												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,200.0	7,843.1	7,834.6	7,834.6	34.3	156.7	-90.35	2,123.4	-318.6	591.2	400.3	190.89	3.097	
9,300.0	7,842.9	7,834.4	7,834.4	35.9	156.7	-90.29	2,123.4	-318.6	497.1	304.5	192.57	2.581	
9,400.0	7,842.7	7,834.2	7,834.2	37.6	156.7	-90.23	2,123.4	-318.6	405.7	211.5	194.27	2.088	
9,500.0	7,842.5	7,834.0	7,834.0	39.4	156.7	-90.16	2,123.4	-318.6	319.6	123.6	195.99	1.631	
9,600.0	7,842.3	7,833.8	7,833.8	41.1	156.7	-90.10	2,123.4	-318.6	244.2	46.5	197.72	1.235 Level 2	
9,700.0	7,842.1	7,833.6	7,833.6	42.8	156.7	-90.04	2,123.4	-318.6	192.8	-6.7	199.47	0.967 Level 1	
9,762.3	7,842.0	7,833.5	7,833.5	43.9	156.7	-90.00	2,123.4	-318.6	182.4	-18.1	200.57	0.910 Level 1, CC, ES, SF	
9,800.0	7,841.9	7,833.4	7,833.4	44.6	156.7	-89.98	2,123.4	-318.6	186.3	-14.9	201.23	0.926 Level 1	
9,900.0	7,841.8	7,833.3	7,833.3	46.4	156.7	-89.91	2,123.4	-318.6	228.5	25.5	203.01	1.126 Level 2	
10,000.0	7,841.6	7,833.1	7,833.1	48.2	156.7	-89.85	2,123.4	-318.6	299.6	94.8	204.79	1.463 Level 3	
10,100.0	7,841.4	7,832.9	7,832.9	50.0	156.7	-89.79	2,123.4	-318.6	383.8	177.2	206.59	1.858	
10,200.0	7,841.2	7,832.7	7,832.7	51.8	156.7	-89.73	2,123.4	-318.6	474.1	265.7	208.39	2.275	
10,300.0	7,841.0	7,832.5	7,832.5	53.6	156.6	-89.66	2,123.4	-318.6	567.7	357.5	210.20	2.701	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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 Existing Pad Sec.11-T1S-R68W - Standley 2-2 (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 1159-UNKNOWN												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,600.0	7,830.4	8,040.2	7,814.7	153.2	227.1	-87.75	8,504.6	-168.9	546.8	214.6	332.15	1.646	
15,700.0	7,830.2	8,040.8	7,815.2	155.1	227.0	-88.30	8,504.6	-168.9	447.4	113.7	333.63	1.341 Level 3	
15,800.0	7,830.0	8,041.3	7,815.8	157.0	227.0	-88.86	8,504.6	-168.9	348.3	13.2	335.10	1.039 Level 2	
15,900.0	7,829.8	8,041.8	7,816.3	158.9	227.0	-89.41	8,504.6	-168.9	250.0	-86.5	336.53	0.743 Level 1	
16,000.0	7,829.6	8,042.3	7,816.8	160.8	227.0	-89.96	8,504.6	-168.9	154.0	-184.0	337.93	0.456 Level 1	
16,100.0	7,829.4	8,042.8	7,817.3	162.7	227.0	-90.51	8,504.6	-168.9	69.9	-269.4	339.31	0.206 Level 1	
16,144.1	7,829.4	8,043.1	7,817.6	163.6	227.0	-90.75	8,504.6	-168.9	54.3	-285.7	339.91	0.160 Level 1, CC, ES, SF	
16,200.0	7,829.2	8,043.4	7,817.9	164.6	227.0	-91.05	8,504.6	-168.9	77.9	-262.8	340.66	0.229 Level 1	
16,300.0	7,829.0	8,043.9	7,818.4	166.5	226.9	-91.60	8,504.6	-168.9	165.1	-176.9	341.98	0.483 Level 1	
16,323.1	7,829.0	8,044.0	7,818.5	166.9	226.9	-91.73	8,504.7	-168.9	187.1	-155.1	342.20	0.547 Level 1	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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		
0.0	0.0	1.0	1.0	0.0	0.0	-159.83	-56.5	-20.7	60.1	60.1	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-159.83	-56.5	-20.7	60.1	59.9	0.23	264.956		
200.0	200.0	201.0	201.0	0.3	0.3	-159.83	-56.5	-20.7	60.1	59.5	0.68	88.906		
300.0	300.0	301.0	301.0	0.6	0.6	-159.83	-56.5	-20.7	60.1	59.0	1.13	53.414		
400.0	400.0	401.0	401.0	0.8	0.8	-159.83	-56.5	-20.7	60.1	58.6	1.58	38.175		
500.0	500.0	501.0	501.0	1.0	1.0	-159.83	-56.5	-20.7	60.1	58.1	2.03	29.701		
600.0	600.0	601.0	601.0	1.2	1.2	-159.83	-56.5	-20.7	60.1	57.7	2.47	24.306		
700.0	700.0	701.0	701.0	1.5	1.5	-159.83	-56.5	-20.7	60.1	57.2	2.92	20.569		
800.0	800.0	801.0	801.0	1.7	1.7	-159.83	-56.5	-20.7	60.1	56.8	3.37	17.828		
900.0	900.0	901.0	901.0	1.9	1.9	-159.83	-56.5	-20.7	60.1	56.3	3.82	15.732		
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-159.83	-56.5	-20.7	60.1	55.9	4.27	14.077		
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-159.83	-56.5	-20.7	60.1	55.4	4.72	12.737		
1,166.3	1,166.3	1,167.3	1,167.3	2.5	2.5	-159.83	-56.5	-20.7	60.1	55.1	5.02	11.981 CC		
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-159.83	-56.5	-20.7	60.1	55.0	5.17	11.630		
1,300.0	1,300.0	1,300.5	1,300.5	2.8	2.8	-158.20	-56.2	-22.5	60.5	54.9	5.61	10.792 ES		
1,400.0	1,400.0	1,400.0	1,399.8	3.0	3.0	-153.50	-55.4	-27.6	62.0	55.9	6.04	10.256		
1,500.0	1,500.0	1,498.6	1,498.1	3.3	3.2	-146.30	-54.2	-36.1	65.2	58.7	6.48	10.055 SF		
1,600.0	1,600.0	1,596.7	1,595.5	3.5	3.5	-137.60	-52.4	-47.9	71.2	64.3	6.94	10.259		
1,700.0	1,700.0	1,693.9	1,691.5	3.7	3.7	-128.66	-50.2	-62.8	80.9	73.5	7.43	10.899		
1,800.0	1,800.0	1,790.0	1,785.8	3.9	4.0	-120.53	-47.5	-80.6	94.8	86.9	7.94	11.938		
1,900.0	1,900.0	1,887.1	1,880.8	4.2	4.3	-113.81	-44.5	-100.9	112.1	103.6	8.49	13.201		
2,000.0	2,000.0	1,984.8	1,976.3	4.4	4.7	-108.86	-41.5	-121.4	130.6	121.6	9.06	14.414		
2,100.0	2,100.0	2,082.8	2,072.0	4.6	5.1	18.36	-38.4	-141.9	148.2	139.1	9.18	16.157		
2,200.0	2,199.8	2,181.2	2,168.2	4.8	5.4	21.78	-35.4	-162.6	163.2	153.6	9.57	17.043		
2,300.0	2,299.5	2,279.9	2,264.7	5.0	5.8	25.08	-32.3	-183.3	175.9	165.9	9.98	17.619		
2,400.0	2,399.1	2,378.7	2,361.2	5.2	6.2	28.05	-29.2	-204.0	188.6	178.2	10.40	18.136		
2,500.0	2,498.7	2,477.4	2,457.6	5.4	6.7	30.63	-26.1	-224.7	201.8	191.0	10.83	18.638		
2,600.0	2,598.3	2,576.2	2,554.1	5.6	7.1	32.90	-23.0	-245.4	215.4	204.1	11.26	19.121		
2,700.0	2,697.9	2,674.9	2,650.6	5.8	7.5	34.89	-19.9	-266.1	229.2	217.5	11.71	19.577		
2,800.0	2,797.5	2,773.6	2,747.1	6.0	7.9	36.66	-16.9	-286.8	243.3	231.2	12.16	20.007		
2,900.0	2,897.2	2,872.4	2,843.6	6.3	8.4	38.24	-13.8	-307.5	257.6	245.0	12.62	20.408		
3,000.0	2,996.8	2,971.1	2,940.1	6.5	8.8	39.65	-10.7	-328.2	272.1	259.0	13.09	20.782		
3,100.0	3,096.4	3,069.8	3,036.6	6.8	9.2	40.91	-7.6	-348.9	286.7	273.1	13.57	21.129		
3,200.0	3,196.0	3,168.6	3,133.1	7.0	9.7	42.06	-4.5	-369.6	301.4	287.4	14.05	21.452		
3,300.0	3,295.6	3,267.3	3,229.6	7.2	10.1	43.09	-1.5	-390.3	316.3	301.7	14.54	21.750		
3,400.0	3,395.2	3,366.1	3,326.1	7.5	10.6	44.04	1.6	-411.0	331.2	316.2	15.04	22.027		
3,500.0	3,494.8	3,464.8	3,422.6	7.7	11.0	44.90	4.7	-431.7	346.2	330.7	15.54	22.284		
3,600.0	3,594.4	3,563.5	3,519.1	8.0	11.5	45.69	7.8	-452.4	361.3	345.3	16.04	22.522		
3,700.0	3,694.1	3,662.3	3,615.6	8.2	11.9	46.42	10.9	-473.1	376.5	359.9	16.55	22.743		
3,800.0	3,793.7	3,761.0	3,712.1	8.5	12.4	47.09	14.0	-493.8	391.7	374.6	17.07	22.948		
3,900.0	3,893.3	3,859.7	3,808.5	8.8	12.8	47.71	17.0	-514.6	406.9	389.4	17.59	23.139		
4,000.0	3,992.9	3,958.4	3,905.0	9.0	13.3	48.36	20.1	-535.3	422.5	404.4	18.10	23.345		
4,100.0	4,092.8	4,056.9	4,001.2	9.2	13.7	48.83	23.2	-555.9	440.0	421.4	18.56	23.703		
4,200.0	4,192.7	4,154.9	4,097.0	9.4	14.2	48.99	26.2	-576.4	459.7	440.7	19.00	24.201		
4,300.0	4,292.7	4,252.6	4,192.5	9.6	14.6	-74.70	29.3	-596.9	480.8	461.3	19.43	24.741		
4,400.0	4,392.7	4,350.4	4,288.0	9.8	15.1	-74.99	32.3	-617.4	501.8	481.9	19.88	25.237		
4,500.0	4,492.7	4,448.1	4,383.5	10.0	15.5	-75.26	35.4	-637.9	522.9	502.6	20.34	25.710		
4,600.0	4,592.7	4,545.8	4,479.0	10.2	16.0	-75.50	38.4	-658.4	544.0	523.2	20.79	26.160		
4,700.0	4,692.7	4,643.5	4,574.5	10.4	16.4	-75.73	41.5	-678.9	565.1	543.8	21.25	26.590		
4,800.0	4,792.7	4,741.3	4,670.0	10.6	16.9	-75.94	44.5	-699.4	586.2	564.5	21.71	27.000		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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-11-2HC - Wellbore #1 - Plan #1 (9-4-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	-159.95	-28.4	-10.4	30.2	30.2	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-159.95	-28.4	-10.4	30.2	30.0	0.23	133.240		
200.0	200.0	201.0	201.0	0.3	0.3	-159.95	-28.4	-10.4	30.2	29.6	0.68	44.709		
300.0	300.0	301.0	301.0	0.6	0.6	-159.95	-28.4	-10.4	30.2	29.1	1.13	26.861		
400.0	400.0	401.0	401.0	0.8	0.8	-159.95	-28.4	-10.4	30.2	28.7	1.58	19.197		
500.0	500.0	501.0	501.0	1.0	1.0	-159.95	-28.4	-10.4	30.2	28.2	2.03	14.936		
600.0	600.0	601.0	601.0	1.2	1.2	-159.95	-28.4	-10.4	30.2	27.8	2.47	12.223		
700.0	700.0	701.0	701.0	1.5	1.5	-159.95	-28.4	-10.4	30.2	27.3	2.92	10.344		
800.0	800.0	801.0	801.0	1.7	1.7	-159.95	-28.4	-10.4	30.2	26.9	3.37	8.966		
900.0	900.0	901.0	901.0	1.9	1.9	-159.95	-28.4	-10.4	30.2	26.4	3.82	7.911		
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-159.95	-28.4	-10.4	30.2	26.0	4.27	7.079		
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-159.95	-28.4	-10.4	30.2	25.5	4.72	6.405		
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-159.95	-28.4	-10.4	30.2	25.1	5.17	5.848		
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	-159.95	-28.4	-10.4	30.2	24.6	5.62	5.381		
1,400.0	1,400.0	1,401.0	1,401.0	3.0	3.0	-159.95	-28.4	-10.4	30.2	24.2	6.07	4.982		
1,500.0	1,500.0	1,501.0	1,501.0	3.3	3.3	-159.95	-28.4	-10.4	30.2	23.7	6.52	4.639		
1,566.3	1,566.3	1,567.3	1,567.3	3.4	3.4	-159.95	-28.4	-10.4	30.2	23.4	6.82	4.436 CC		
1,600.0	1,600.0	1,601.0	1,601.0	3.5	3.5	-159.95	-28.4	-10.4	30.2	23.3	6.97	4.340 ES		
1,700.0	1,700.0	1,700.5	1,700.5	3.7	3.7	-157.02	-28.6	-12.1	31.1	23.7	7.40	4.195		
1,800.0	1,800.0	1,800.0	1,799.8	3.9	3.9	-149.26	-29.1	-17.3	33.9	26.1	7.83	4.330		
1,900.0	1,900.0	1,898.5	1,898.0	4.2	4.1	-139.24	-30.0	-25.8	39.7	31.4	8.26	4.804		
2,000.0	2,000.0	1,996.6	1,995.3	4.4	4.3	-129.62	-31.2	-37.6	49.2	40.5	8.71	5.648		
2,100.0	2,100.0	2,094.8	2,092.3	4.6	4.6	1.56	-32.7	-52.5	60.7	51.6	9.09	6.676		
2,200.0	2,199.8	2,194.1	2,190.4	4.8	4.8	7.34	-34.2	-68.1	70.1	60.6	9.47	7.402		
2,300.0	2,299.5	2,293.7	2,288.7	5.0	5.1	12.20	-35.8	-83.8	77.0	67.1	9.86	7.813		
2,400.0	2,399.1	2,393.2	2,387.1	5.2	5.4	16.34	-37.4	-99.4	83.9	73.7	10.26	8.180		
2,500.0	2,498.7	2,492.8	2,485.4	5.4	5.7	19.83	-39.0	-115.1	91.2	80.5	10.67	8.548		
2,600.0	2,598.3	2,592.4	2,583.8	5.6	6.0	22.79	-40.5	-130.8	98.8	87.7	11.09	8.908		
2,700.0	2,697.9	2,692.0	2,682.1	5.8	6.3	25.33	-42.1	-146.4	106.6	95.1	11.52	9.254		
2,800.0	2,797.5	2,791.6	2,780.4	6.0	6.7	27.52	-43.7	-162.1	114.6	102.6	11.95	9.585		
2,900.0	2,897.2	2,891.2	2,878.8	6.3	7.0	29.43	-45.3	-177.8	122.7	110.3	12.40	9.897		
3,000.0	2,996.8	2,990.8	2,977.1	6.5	7.3	31.09	-46.8	-193.4	130.9	118.1	12.85	10.191		
3,100.0	3,096.4	3,090.4	3,075.5	6.8	7.7	32.56	-48.4	-209.1	139.3	126.0	13.31	10.467		
3,200.0	3,196.0	3,190.0	3,173.8	7.0	8.0	33.86	-50.0	-224.7	147.7	133.9	13.77	10.726		
3,300.0	3,295.6	3,289.6	3,272.1	7.2	8.4	35.02	-51.6	-240.4	156.2	142.0	14.24	10.967		
3,400.0	3,395.2	3,389.2	3,370.5	7.5	8.7	36.06	-53.1	-256.1	164.7	150.0	14.72	11.193		
3,500.0	3,494.8	3,488.8	3,468.8	7.7	9.1	37.00	-54.7	-271.7	173.3	158.1	15.20	11.405		
3,600.0	3,594.4	3,588.3	3,567.2	8.0	9.4	37.85	-56.3	-287.4	182.0	166.3	15.68	11.602		
3,700.0	3,694.1	3,687.9	3,665.5	8.2	9.8	38.62	-57.9	-303.0	190.6	174.5	16.17	11.787		
3,800.0	3,793.7	3,787.5	3,763.8	8.5	10.1	39.32	-59.4	-318.7	199.4	182.7	16.67	11.960		
3,900.0	3,893.3	3,887.1	3,862.2	8.8	10.5	39.97	-61.0	-334.4	208.1	190.9	17.17	12.123		
4,000.0	3,992.9	3,986.7	3,960.5	9.0	10.8	40.55	-62.6	-350.0	217.1	199.5	17.66	12.295		
4,100.0	4,092.8	4,086.0	4,058.6	9.2	11.2	40.70	-64.2	-365.7	226.4	210.3	18.11	12.612		
4,200.0	4,192.7	4,185.0	4,156.4	9.4	11.5	40.34	-65.7	-381.2	242.3	223.8	18.52	13.080		
4,300.0	4,292.7	4,283.8	4,253.9	9.6	11.9	-83.82	-67.3	-396.8	257.7	238.8	18.94	13.610		
4,400.0	4,392.7	4,382.5	4,351.4	9.8	12.3	-84.50	-68.8	-412.3	273.2	253.9	19.37	14.107		
4,500.0	4,492.7	4,481.3	4,448.9	10.0	12.6	-85.12	-70.4	-427.8	288.8	269.0	19.80	14.581		
4,600.0	4,592.7	4,580.0	4,546.4	10.2	13.0	-85.66	-72.0	-443.3	304.3	284.1	20.24	15.036		
4,700.0	4,692.7	4,678.8	4,643.9	10.4	13.4	-86.16	-73.5	-458.9	319.9	299.2	20.68	15.470		
4,800.0	4,792.7	4,777.5	4,741.4	10.6	13.7	-86.61	-75.1	-474.4	335.5	314.4	21.12	15.886		
4,900.0	4,892.7	4,876.2	4,838.9	10.8	14.1	-87.02	-76.7	-489.9	351.1	329.5	21.56	16.284		
5,000.0	4,992.7	4,975.0	4,936.4	11.0	14.4	-87.39	-78.2	-505.5	366.7	344.7	22.01	16.666		

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 K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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-11-2HC - Wellbore #1 - Plan #1 (9-4-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,092.7	5,073.7	5,033.9	11.2	14.8	-87.74	-79.8	-521.0	382.4	359.9	22.45	17.032	
5,200.0	5,192.7	5,172.5	5,131.4	11.5	15.2	-88.05	-81.3	-536.5	398.1	375.2	22.90	17.383	
5,300.0	5,292.7	5,271.2	5,228.9	11.7	15.5	-88.35	-82.9	-552.0	413.7	390.4	23.35	17.721	
5,400.0	5,392.7	5,370.0	5,326.4	11.9	15.9	-88.62	-84.5	-567.6	429.4	405.6	23.80	18.045	
5,500.0	5,492.7	5,468.7	5,423.9	12.1	16.3	-88.87	-86.0	-583.1	445.1	420.9	24.25	18.357	
5,600.0	5,592.7	5,567.5	5,521.4	12.3	16.6	-89.11	-87.6	-598.6	460.8	436.1	24.70	18.656	
5,700.0	5,692.7	5,680.5	5,633.3	12.5	17.0	-89.34	-89.3	-615.1	475.4	450.3	25.15	18.904	
5,800.0	5,792.7	5,799.9	5,751.9	12.7	17.2	-89.51	-90.5	-627.9	486.1	460.5	25.59	18.993	
5,900.0	5,892.7	5,920.1	5,871.8	12.9	17.5	-89.61	-91.3	-635.7	492.6	466.6	26.03	18.925	
6,000.0	5,992.7	6,040.7	5,992.4	13.1	17.7	-89.64	-91.6	-638.6	495.0	468.5	26.46	18.705	
6,100.0	6,092.7	6,142.0	6,093.7	13.4	17.8	-89.64	-91.6	-638.6	495.0	468.1	26.87	18.419	
6,200.0	6,192.7	6,242.0	6,193.7	13.6	18.0	-89.64	-91.6	-638.6	495.0	467.7	27.29	18.140	
6,300.0	6,292.7	6,342.0	6,293.7	13.8	18.1	-89.64	-91.6	-638.6	495.0	467.3	27.70	17.869	
6,400.0	6,392.7	6,442.0	6,393.7	14.0	18.3	-89.64	-91.6	-638.6	495.0	466.9	28.12	17.605	
6,500.0	6,492.7	6,542.0	6,493.7	14.2	18.5	-89.64	-91.6	-638.6	495.0	466.4	28.53	17.348	
6,600.0	6,592.7	6,642.0	6,593.7	14.4	18.6	-89.64	-91.6	-638.6	495.0	466.0	28.95	17.098	
6,700.0	6,692.7	6,742.0	6,693.7	14.6	18.8	-89.64	-91.6	-638.6	495.0	465.6	29.37	16.854	
6,800.0	6,792.7	6,842.0	6,793.7	14.9	19.0	-89.64	-91.6	-638.6	495.0	465.2	29.79	16.617	
6,900.0	6,892.7	6,942.0	6,893.7	15.1	19.1	-89.64	-91.6	-638.6	495.0	464.8	30.21	16.386	
7,000.0	6,992.7	7,042.0	6,993.7	15.3	19.3	-89.64	-91.6	-638.6	495.0	464.4	30.63	16.161	
7,100.0	7,092.7	7,142.0	7,093.7	15.5	19.5	-89.64	-91.6	-638.6	495.0	463.9	31.05	15.941	
7,161.7	7,154.4	7,203.7	7,155.4	15.6	19.6	-90.03	-91.6	-638.6	495.0	463.7	31.31	15.811	
7,200.0	7,192.7	7,242.0	7,193.7	15.7	19.6	-90.16	-91.6	-638.6	495.0	463.5	31.46	15.732	
7,300.0	7,291.3	7,341.1	7,292.8	15.9	19.8	-91.92	-91.3	-638.6	495.3	463.5	31.81	15.570	
7,400.0	7,386.8	7,443.0	7,394.1	16.1	20.0	-94.14	-81.0	-638.5	496.3	464.2	32.12	15.452	
7,500.0	7,477.3	7,547.9	7,495.8	16.3	20.1	-96.30	-55.4	-638.4	498.1	465.7	32.44	15.357	
7,600.0	7,561.0	7,656.1	7,595.5	16.4	20.3	-98.36	-13.9	-638.3	500.5	467.7	32.80	15.260	
7,700.0	7,636.2	7,767.5	7,690.5	16.6	20.5	-100.26	44.1	-638.1	503.2	470.0	33.24	15.139	
7,800.0	7,701.7	7,882.1	7,777.6	17.0	20.7	-101.96	118.4	-637.9	506.2	472.3	33.84	14.956	
7,900.0	7,755.9	7,999.8	7,853.6	17.5	21.0	-103.41	208.1	-637.6	509.0	474.4	34.66	14.686	
8,000.0	7,797.9	8,120.1	7,915.0	18.2	21.4	-104.55	311.4	-637.2	511.5	475.7	35.76	14.304	
8,100.0	7,827.0	8,242.6	7,958.9	19.0	22.0	-105.37	425.6	-636.8	513.4	476.2	37.17	13.809	
8,200.0	7,842.4	8,366.4	7,982.8	20.0	22.9	-105.81	547.0	-636.4	514.4	475.5	38.93	13.214	
8,300.0	7,844.9	8,481.7	7,987.0	21.1	24.0	-105.91	662.1	-636.1	514.7	473.7	40.96	12.565	
8,400.0	7,844.7	8,581.7	7,987.0	22.2	25.0	-105.93	762.1	-635.7	514.7	471.5	43.24	11.905	
8,500.0	7,844.5	8,681.7	7,987.0	23.5	26.2	-105.95	862.1	-635.4	514.8	469.1	45.70	11.264	
8,600.0	7,844.3	8,781.7	7,987.0	24.9	27.4	-105.97	962.1	-635.1	514.8	466.5	48.32	10.654	
8,700.0	7,844.1	8,881.7	7,987.0	26.4	28.8	-105.99	1,062.1	-634.7	514.9	463.8	51.08	10.080	
8,800.0	7,843.9	8,981.7	7,987.0	27.9	30.2	-106.02	1,162.1	-634.4	514.9	461.0	53.95	9.545	
8,900.0	7,843.7	9,081.7	7,987.0	29.4	31.6	-106.04	1,262.1	-634.0	515.0	458.1	56.91	9.049	
9,000.0	7,843.5	9,181.7	7,987.0	31.0	33.1	-106.06	1,362.1	-633.7	515.0	455.1	59.95	8.591	
9,100.0	7,843.3	9,281.7	7,987.0	32.6	34.7	-106.08	1,462.1	-633.4	515.1	452.0	63.07	8.168	
9,200.0	7,843.1	9,381.7	7,987.0	34.3	36.2	-106.10	1,562.1	-633.0	515.2	448.9	66.24	7.777	
9,300.0	7,842.9	9,481.7	7,987.0	35.9	37.8	-106.12	1,662.1	-632.7	515.2	445.7	69.46	7.417	
9,400.0	7,842.7	9,581.7	7,987.0	37.6	39.5	-106.14	1,762.1	-632.4	515.3	442.5	72.73	7.085	
9,500.0	7,842.5	9,681.7	7,987.0	39.4	41.1	-106.16	1,862.1	-632.0	515.3	439.3	76.04	6.777	
9,600.0	7,842.3	9,781.7	7,987.0	41.1	42.8	-106.18	1,962.1	-631.7	515.4	436.0	79.38	6.493	
9,700.0	7,842.1	9,881.7	7,987.0	42.8	44.5	-106.21	2,062.1	-631.4	515.4	432.7	82.75	6.229	
9,800.0	7,841.9	9,981.7	7,987.0	44.6	46.2	-106.23	2,162.1	-631.0	515.5	429.4	86.14	5.984	
9,900.0	7,841.8	10,081.7	7,987.0	46.4	48.0	-106.25	2,262.1	-630.7	515.6	426.0	89.56	5.757	
10,000.0	7,841.6	10,181.7	7,987.0	48.2	49.7	-106.27	2,362.1	-630.3	515.6	422.6	93.00	5.544	
10,100.0	7,841.4	10,281.7	7,987.0	50.0	51.5	-106.29	2,462.1	-630.0	515.7	419.2	96.45	5.346	

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 K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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-11-2HC - Wellbore #1 - Plan #1 (9-4-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
10,200.0	7,841.2	10,381.7	7,987.0	51.8	53.2	-106.31	2,562.1	-629.7	515.7	415.8	99.92	5.161	
10,300.0	7,841.0	10,481.7	7,987.0	53.6	55.0	-106.33	2,662.1	-629.3	515.8	412.4	103.41	4.988	
10,400.0	7,840.8	10,581.7	7,987.0	55.4	56.8	-106.35	2,762.1	-629.0	515.8	408.9	106.91	4.825	
10,500.0	7,840.6	10,681.7	7,987.0	57.2	58.6	-106.37	2,862.1	-628.7	515.9	405.5	110.42	4.672	
10,600.0	7,840.4	10,781.7	7,987.0	59.1	60.4	-106.40	2,962.1	-628.3	516.0	402.0	113.94	4.528	
10,700.0	7,840.2	10,881.7	7,987.0	60.9	62.2	-106.42	3,062.1	-628.0	516.0	398.5	117.47	4.393	
10,800.0	7,840.0	10,981.7	7,987.0	62.7	64.0	-106.44	3,162.1	-627.7	516.1	395.1	121.01	4.265	
10,900.0	7,839.8	11,081.7	7,987.0	64.6	65.9	-106.46	3,262.1	-627.3	516.1	391.6	124.56	4.144	
11,000.0	7,839.6	11,181.7	7,987.0	66.4	67.7	-106.48	3,362.1	-627.0	516.2	388.1	128.11	4.029	
11,100.0	7,839.4	11,281.7	7,987.0	68.3	69.5	-106.50	3,462.1	-626.6	516.2	384.6	131.67	3.921	
11,200.0	7,839.2	11,381.7	7,987.0	70.1	71.3	-106.52	3,562.1	-626.3	516.3	381.1	135.24	3.818	
11,300.0	7,839.0	11,481.7	7,987.0	72.0	73.2	-106.54	3,662.1	-626.0	516.4	377.5	138.81	3.720	
11,400.0	7,838.8	11,581.7	7,987.0	73.9	75.0	-106.56	3,762.1	-625.6	516.4	374.0	142.38	3.627	
11,500.0	7,838.6	11,681.7	7,987.0	75.7	76.9	-106.59	3,862.1	-625.3	516.5	370.5	145.96	3.538	
11,600.0	7,838.4	11,781.7	7,987.0	77.6	78.7	-106.61	3,962.1	-625.0	516.5	367.0	149.55	3.454	
11,700.0	7,838.2	11,881.7	7,987.0	79.5	80.6	-106.63	4,062.1	-624.6	516.6	363.5	153.14	3.373	
11,800.0	7,838.0	11,981.7	7,987.0	81.3	82.4	-106.65	4,162.1	-624.3	516.6	359.9	156.73	3.296	
11,900.0	7,837.8	12,081.7	7,987.0	83.2	84.3	-106.67	4,262.1	-624.0	516.7	356.4	160.32	3.223	
12,000.0	7,837.6	12,181.7	7,987.0	85.1	86.1	-106.69	4,362.1	-623.6	516.8	352.8	163.92	3.152	
12,100.0	7,837.4	12,281.7	7,987.0	87.0	88.0	-106.71	4,462.1	-623.3	516.8	349.3	167.52	3.085	
12,200.0	7,837.2	12,381.7	7,987.0	88.8	89.9	-106.73	4,562.1	-622.9	516.9	345.8	171.13	3.020	
12,300.0	7,837.0	12,481.7	7,987.0	90.7	91.7	-106.75	4,662.1	-622.6	516.9	342.2	174.73	2.958	
12,400.0	7,836.8	12,581.7	7,987.0	92.6	93.6	-106.77	4,762.1	-622.3	517.0	338.7	178.34	2.899	
12,500.0	7,836.6	12,681.7	7,987.0	94.5	95.5	-106.80	4,862.1	-621.9	517.1	335.1	181.95	2.842	
12,600.0	7,836.4	12,781.7	7,987.0	96.4	97.3	-106.82	4,962.1	-621.6	517.1	331.6	185.56	2.787	
12,700.0	7,836.2	12,881.7	7,987.0	98.2	99.2	-106.84	5,062.1	-621.3	517.2	328.0	189.17	2.734	
12,800.0	7,836.0	12,981.7	7,987.0	100.1	101.1	-106.86	5,162.1	-620.9	517.2	324.4	192.79	2.683	
12,900.0	7,835.8	13,081.7	7,987.0	102.0	103.0	-106.88	5,262.1	-620.6	517.3	320.9	196.40	2.634	
13,000.0	7,835.6	13,181.7	7,987.0	103.9	104.8	-106.90	5,362.1	-620.3	517.4	317.3	200.02	2.586	
13,100.0	7,835.4	13,281.7	7,987.0	105.8	106.7	-106.92	5,462.1	-619.9	517.4	313.8	203.64	2.541	
13,200.0	7,835.2	13,381.7	7,987.0	107.7	108.6	-106.94	5,562.1	-619.6	517.5	310.2	207.26	2.497	
13,300.0	7,835.0	13,481.7	7,987.0	109.6	110.5	-106.96	5,662.1	-619.2	517.5	306.7	210.88	2.454	
13,400.0	7,834.8	13,581.7	7,987.0	111.5	112.4	-106.98	5,762.1	-618.9	517.6	303.1	214.50	2.413	
13,500.0	7,834.6	13,681.7	7,987.0	113.4	114.3	-107.01	5,862.1	-618.6	517.6	299.5	218.12	2.373	
13,600.0	7,834.4	13,781.7	7,987.0	115.3	116.1	-107.03	5,962.1	-618.2	517.7	296.0	221.74	2.335	
13,700.0	7,834.2	13,881.7	7,987.0	117.1	118.0	-107.05	6,062.1	-617.9	517.8	292.4	225.37	2.297	
13,800.0	7,834.0	13,981.7	7,987.0	119.0	119.9	-107.07	6,162.1	-617.6	517.8	288.8	228.99	2.261	
13,900.0	7,833.8	14,081.7	7,987.0	120.9	121.8	-107.09	6,262.1	-617.2	517.9	285.3	232.61	2.226	
14,000.0	7,833.6	14,181.7	7,987.0	122.8	123.7	-107.11	6,362.1	-616.9	517.9	281.7	236.24	2.192	
14,100.0	7,833.4	14,281.7	7,987.0	124.7	125.6	-107.13	6,462.1	-616.6	518.0	278.1	239.86	2.160	
14,200.0	7,833.2	14,381.7	7,987.0	126.6	127.5	-107.15	6,562.1	-616.2	518.1	274.6	243.49	2.128	
14,300.0	7,833.0	14,481.7	7,987.0	128.5	129.4	-107.17	6,662.1	-615.9	518.1	271.0	247.12	2.097	
14,400.0	7,832.8	14,581.7	7,987.0	130.4	131.2	-107.19	6,762.1	-615.5	518.2	267.4	250.74	2.067	
14,500.0	7,832.6	14,681.7	7,987.0	132.3	133.1	-107.22	6,862.1	-615.2	518.2	263.9	254.37	2.037	
14,600.0	7,832.4	14,781.7	7,987.0	134.2	135.0	-107.24	6,962.0	-614.9	518.3	260.3	257.99	2.009	
14,700.0	7,832.2	14,881.7	7,987.0	136.1	136.9	-107.26	7,062.0	-614.5	518.4	256.7	261.62	1.981	
14,800.0	7,832.0	14,981.7	7,987.0	138.0	138.8	-107.28	7,162.0	-614.2	518.4	253.2	265.25	1.954	
14,900.0	7,831.8	15,081.7	7,987.0	139.9	140.7	-107.30	7,262.0	-613.9	518.5	249.6	268.87	1.928	
15,000.0	7,831.6	15,181.7	7,987.0	141.8	142.6	-107.32	7,362.0	-613.5	518.5	246.0	272.50	1.903	
15,100.0	7,831.4	15,281.7	7,987.0	143.7	144.5	-107.34	7,462.0	-613.2	518.6	242.5	276.13	1.878	
15,200.0	7,831.2	15,381.7	7,987.0	145.6	146.4	-107.36	7,562.0	-612.9	518.7	238.9	279.76	1.854	
15,300.0	7,831.0	15,481.7	7,987.0	147.5	148.3	-107.38	7,662.0	-612.5	518.7	235.3	283.38	1.830	

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 K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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-11-2HC - Wellbore #1 - Plan #1 (9-4-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
15,400.0	7,830.8	15,581.7	7,987.0	149.4	150.2	-107.40	7,762.0	-612.2	518.8	231.8	287.01	1.808		
15,500.0	7,830.6	15,681.7	7,987.0	151.3	152.1	-107.42	7,862.0	-611.8	518.9	228.2	290.64	1.785		
15,600.0	7,830.4	15,781.7	7,987.0	153.2	154.0	-107.44	7,962.0	-611.5	518.9	224.6	294.26	1.763		
15,700.0	7,830.2	15,881.7	7,987.0	155.1	155.9	-107.47	8,062.0	-611.2	519.0	221.1	297.89	1.742		
15,800.0	7,830.0	15,981.7	7,987.0	157.0	157.8	-107.49	8,162.0	-610.8	519.0	217.5	301.51	1.721		
15,900.0	7,829.8	16,081.7	7,987.0	158.9	159.7	-107.51	8,262.0	-610.5	519.1	214.0	305.14	1.701		
16,000.0	7,829.6	16,181.7	7,987.0	160.8	161.6	-107.53	8,362.0	-610.2	519.2	210.4	308.77	1.681		
16,100.0	7,829.4	16,281.7	7,987.0	162.7	163.5	-107.55	8,462.0	-609.8	519.2	206.8	312.39	1.662		
16,200.0	7,829.2	16,381.7	7,987.0	164.6	165.4	-107.57	8,562.0	-609.5	519.3	203.3	316.02	1.643		
16,300.0	7,829.0	16,481.7	7,987.0	166.5	167.3	-107.59	8,662.0	-609.2	519.3	199.7	319.64	1.625		
16,306.6	7,829.0	16,488.3	7,987.0	166.6	167.4	-107.59	8,668.6	-609.1	519.3	199.5	319.86	1.624		
16,323.1	7,829.0	16,502.8	7,987.0	166.9	167.7	-107.60	8,683.1	-609.1	519.4	199.0	320.36	1.621 SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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	1.0	1.0	0.0	0.0	-159.96	-42.3	-15.4	45.0	45.0	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-159.96	-42.3	-15.4	45.0	44.7	0.23	198.124		
200.0	200.0	201.0	201.0	0.3	0.3	-159.96	-42.3	-15.4	45.0	44.3	0.68	66.480		
300.0	300.0	301.0	301.0	0.6	0.6	-159.96	-42.3	-15.4	45.0	43.9	1.13	39.941		
400.0	400.0	401.0	401.0	0.8	0.8	-159.96	-42.3	-15.4	45.0	43.4	1.58	28.546		
500.0	500.0	501.0	501.0	1.0	1.0	-159.96	-42.3	-15.4	45.0	43.0	2.03	22.209		
600.0	600.0	601.0	601.0	1.2	1.2	-159.96	-42.3	-15.4	45.0	42.5	2.47	18.175		
700.0	700.0	701.0	701.0	1.5	1.5	-159.96	-42.3	-15.4	45.0	42.1	2.92	15.381		
800.0	800.0	801.0	801.0	1.7	1.7	-159.96	-42.3	-15.4	45.0	41.6	3.37	13.331		
900.0	900.0	901.0	901.0	1.9	1.9	-159.96	-42.3	-15.4	45.0	41.2	3.82	11.764		
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-159.96	-42.3	-15.4	45.0	40.7	4.27	10.526		
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-159.96	-42.3	-15.4	45.0	40.3	4.72	9.524		
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-159.96	-42.3	-15.4	45.0	39.8	5.17	8.696		
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	-159.96	-42.3	-15.4	45.0	39.4	5.62	8.001		
1,366.3	1,366.3	1,367.3	1,367.3	3.0	3.0	-159.96	-42.3	-15.4	45.0	39.1	5.92	7.598 CC		
1,400.0	1,400.0	1,401.0	1,401.0	3.0	3.0	-159.96	-42.3	-15.4	45.0	38.9	6.07	7.409 ES		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.2	-157.95	-42.4	-17.2	45.7	39.2	6.50	7.029		
1,600.0	1,600.0	1,599.4	1,599.3	3.5	3.4	-152.38	-42.7	-22.3	48.2	41.3	6.93	6.957 SF		
1,700.0	1,700.0	1,698.0	1,697.5	3.7	3.7	-144.46	-43.2	-30.9	53.2	45.9	7.36	7.228		
1,800.0	1,800.0	1,796.0	1,794.7	3.9	3.9	-135.84	-44.0	-42.7	61.6	53.8	7.82	7.880		
1,900.0	1,900.0	1,892.9	1,890.5	4.2	4.1	-127.91	-44.9	-57.6	73.8	65.5	8.29	8.901		
2,000.0	2,000.0	1,989.8	1,985.7	4.4	4.4	-121.34	-46.0	-75.6	89.8	81.0	8.79	10.208		
2,100.0	2,100.0	2,088.2	2,082.3	4.6	4.7	6.91	-47.2	-94.4	105.5	96.4	9.09	11.595		
2,200.0	2,199.8	2,187.1	2,179.4	4.8	5.0	10.78	-48.4	-113.3	118.3	108.8	9.48	12.474		
2,300.0	2,299.5	2,286.3	2,276.7	5.0	5.4	14.22	-49.6	-132.2	128.6	118.7	9.88	13.016		
2,400.0	2,399.1	2,385.5	2,374.1	5.2	5.7	17.23	-50.7	-151.2	138.8	128.5	10.29	13.488		
2,500.0	2,498.7	2,484.8	2,471.5	5.4	6.1	19.81	-51.9	-170.2	149.4	138.7	10.71	13.945		
2,600.0	2,598.3	2,584.0	2,568.9	5.6	6.5	22.06	-53.1	-189.2	160.2	149.1	11.14	14.382		
2,700.0	2,697.9	2,683.2	2,666.3	5.8	6.9	24.01	-54.3	-208.1	171.2	159.7	11.57	14.796		
2,800.0	2,797.5	2,782.5	2,763.7	6.0	7.2	25.73	-55.5	-227.1	182.4	170.4	12.02	15.184		
2,900.0	2,897.2	2,881.7	2,861.1	6.3	7.6	27.25	-56.7	-246.1	193.8	181.3	12.46	15.549		
3,000.0	2,996.8	2,980.9	2,958.5	6.5	8.0	28.60	-57.9	-265.1	205.3	192.3	12.92	15.888		
3,100.0	3,096.4	3,080.2	3,055.8	6.8	8.4	29.81	-59.1	-284.0	216.8	203.5	13.38	16.205		
3,200.0	3,196.0	3,179.4	3,153.2	7.0	8.8	30.89	-60.2	-303.0	228.5	214.7	13.85	16.500		
3,300.0	3,295.6	3,278.6	3,250.6	7.2	9.2	31.87	-61.4	-322.0	240.2	225.9	14.32	16.774		
3,400.0	3,395.2	3,377.8	3,348.0	7.5	9.6	32.76	-62.6	-340.9	252.0	237.2	14.80	17.029		
3,500.0	3,494.8	3,477.1	3,445.4	7.7	10.1	33.57	-63.8	-359.9	263.9	248.6	15.28	17.266		
3,600.0	3,594.4	3,576.3	3,542.8	8.0	10.5	34.31	-65.0	-378.9	275.8	260.0	15.77	17.486		
3,700.0	3,694.1	3,675.5	3,640.2	8.2	10.9	34.99	-66.2	-397.9	287.7	271.5	16.26	17.692		
3,800.0	3,793.7	3,774.8	3,737.6	8.5	11.3	35.61	-67.4	-416.8	299.7	282.9	16.76	17.884		
3,900.0	3,893.3	3,874.0	3,835.0	8.8	11.7	36.19	-68.5	-435.8	311.7	294.4	17.26	18.063		
4,000.0	3,992.9	3,973.2	3,932.3	9.0	12.1	36.75	-69.7	-454.8	324.0	306.3	17.75	18.254		
4,100.0	4,092.8	4,072.1	4,029.4	9.2	12.5	37.08	-70.9	-473.7	338.7	320.5	18.20	18.606		
4,200.0	4,192.7	4,170.5	4,126.0	9.4	12.9	37.09	-72.1	-492.5	356.1	337.5	18.63	19.120		
4,300.0	4,292.7	4,268.7	4,222.4	9.6	13.4	-86.66	-73.3	-511.3	375.2	356.1	19.06	19.684		
4,400.0	4,392.7	4,366.8	4,318.7	9.8	13.8	-87.00	-74.4	-530.0	394.2	374.7	19.51	20.208		
4,500.0	4,492.7	4,465.0	4,415.0	10.0	14.2	-87.30	-75.6	-548.8	413.2	393.3	19.96	20.707		
4,600.0	4,592.7	4,563.1	4,511.4	10.2	14.6	-87.58	-76.8	-567.6	432.3	411.9	20.41	21.183		
4,700.0	4,692.7	4,661.3	4,607.7	10.4	15.0	-87.84	-78.0	-586.3	451.3	430.5	20.86	21.637		
4,800.0	4,792.7	4,759.4	4,704.0	10.6	15.4	-88.07	-79.1	-605.1	470.4	449.1	21.31	22.070		
4,900.0	4,892.7	4,857.6	4,800.4	10.8	15.9	-88.28	-80.3	-623.9	489.5	467.7	21.77	22.485		
5,000.0	4,992.7	4,955.7	4,896.7	11.0	16.3	-88.48	-81.5	-642.6	508.6	486.3	22.23	22.881		

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 K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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
5,100.0	5,092.7	5,053.9	4,993.0	11.2	16.7	-88.67	-82.7	-661.4	527.6	505.0	22.68	23.261	
5,200.0	5,192.7	5,152.0	5,089.3	11.5	17.1	-88.84	-83.8	-680.2	546.7	523.6	23.14	23.625	
5,300.0	5,292.7	5,250.2	5,185.7	11.7	17.5	-89.00	-85.0	-698.9	565.8	542.2	23.60	23.974	
5,400.0	5,392.7	5,348.3	5,282.0	11.9	18.0	-89.15	-86.2	-717.7	584.9	560.9	24.06	24.308	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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							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	1.0	1.0	0.0	0.0	-160.45	-14.2	-5.0	15.1	15.1	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-160.45	-14.2	-5.0	15.1	14.8	0.23	66.411		
200.0	200.0	201.0	201.0	0.3	0.3	-160.45	-14.2	-5.0	15.1	14.4	0.68	22.284		
300.0	300.0	301.0	301.0	0.6	0.6	-160.45	-14.2	-5.0	15.1	14.0	1.13	13.388		
400.0	400.0	401.0	401.0	0.8	0.8	-160.45	-14.2	-5.0	15.1	13.5	1.58	9.568		
500.0	500.0	501.0	501.0	1.0	1.0	-160.45	-14.2	-5.0	15.1	13.1	2.03	7.445		
600.0	600.0	601.0	601.0	1.2	1.2	-160.45	-14.2	-5.0	15.1	12.6	2.47	6.092		
700.0	700.0	701.0	701.0	1.5	1.5	-160.45	-14.2	-5.0	15.1	12.2	2.92	5.156		
800.0	800.0	801.0	801.0	1.7	1.7	-160.45	-14.2	-5.0	15.1	11.7	3.37	4.469		
900.0	900.0	901.0	901.0	1.9	1.9	-160.45	-14.2	-5.0	15.1	11.3	3.82	3.943		
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-160.45	-14.2	-5.0	15.1	10.8	4.27	3.528		
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-160.45	-14.2	-5.0	15.1	10.4	4.72	3.193		
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-160.45	-14.2	-5.0	15.1	9.9	5.17	2.915		
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	-160.45	-14.2	-5.0	15.1	9.5	5.62	2.682		
1,400.0	1,400.0	1,401.0	1,401.0	3.0	3.0	-160.45	-14.2	-5.0	15.1	9.0	6.07	2.483		
1,500.0	1,500.0	1,501.0	1,501.0	3.3	3.3	-160.45	-14.2	-5.0	15.1	8.6	6.52	2.312		
1,600.0	1,600.0	1,601.0	1,601.0	3.5	3.5	-160.45	-14.2	-5.0	15.1	8.1	6.97	2.163		
1,700.0	1,700.0	1,701.0	1,701.0	3.7	3.7	-160.45	-14.2	-5.0	15.1	7.7	7.42	2.032		
1,766.3	1,766.3	1,767.3	1,767.3	3.9	3.9	-160.45	-14.2	-5.0	15.1	7.4	7.72	1.953 CC		
1,800.0	1,800.0	1,801.0	1,801.0	3.9	3.9	-160.45	-14.2	-5.0	15.1	7.2	7.87	1.916 ES		
1,900.0	1,900.0	1,900.7	1,900.7	4.2	4.1	-154.90	-14.5	-6.8	16.0	7.7	8.30	1.929		
2,000.0	2,000.0	2,000.0	1,999.8	4.4	4.3	-142.15	-15.4	-11.9	19.5	10.8	8.72	2.233		
2,100.0	2,100.0	2,099.3	2,098.8	4.6	4.5	-6.34	-16.8	-20.5	24.8	15.7	9.12	2.720		
2,200.0	2,199.8	2,199.1	2,198.1	4.8	4.8	2.83	-18.4	-30.6	28.8	19.4	9.49	3.041		
2,300.0	2,299.5	2,299.1	2,297.5	5.0	5.0	10.59	-20.1	-40.7	30.4	20.5	9.86	3.081		
2,400.0	2,399.1	2,399.0	2,396.8	5.2	5.2	17.75	-21.8	-50.8	32.0	21.7	10.26	3.118		
2,500.0	2,498.7	2,498.9	2,496.2	5.4	5.5	24.14	-23.5	-60.9	34.0	23.4	10.66	3.190		
2,600.0	2,598.3	2,598.8	2,595.6	5.6	5.7	29.76	-25.2	-71.0	36.4	25.4	11.08	3.288		
2,700.0	2,697.9	2,698.7	2,695.0	5.8	6.0	34.63	-26.8	-81.1	39.1	27.6	11.51	3.401		
2,800.0	2,797.5	2,798.6	2,794.4	6.0	6.2	38.85	-28.5	-91.2	42.1	30.2	11.95	3.523		
2,900.0	2,897.2	2,898.5	2,893.8	6.3	6.5	42.49	-30.2	-101.3	45.3	32.9	12.41	3.648		
3,000.0	2,996.8	2,998.4	2,993.1	6.5	6.7	45.65	-31.9	-111.4	48.6	35.7	12.87	3.774		
3,100.0	3,096.4	3,098.3	3,092.5	6.8	7.0	48.40	-33.6	-121.5	52.0	38.7	13.35	3.898		
3,200.0	3,196.0	3,198.3	3,191.9	7.0	7.3	50.80	-35.2	-131.6	55.6	41.8	13.83	4.019		
3,300.0	3,295.6	3,298.2	3,291.3	7.2	7.5	52.91	-36.9	-141.7	59.2	44.9	14.32	4.135		
3,400.0	3,395.2	3,398.1	3,390.7	7.5	7.8	54.78	-38.6	-151.8	62.9	48.1	14.82	4.247		
3,500.0	3,494.8	3,498.0	3,490.1	7.7	8.1	56.43	-40.3	-162.0	66.7	51.4	15.32	4.354		
3,600.0	3,594.4	3,597.9	3,589.5	8.0	8.4	57.91	-41.9	-172.1	70.5	54.7	15.83	4.455		
3,700.0	3,694.1	3,697.8	3,688.8	8.2	8.6	59.24	-43.6	-182.2	74.4	58.0	16.34	4.552		
3,800.0	3,793.7	3,797.7	3,788.2	8.5	8.9	60.43	-45.3	-192.3	78.3	61.4	16.86	4.644		
3,900.0	3,893.3	3,897.6	3,887.6	8.8	9.2	61.51	-47.0	-202.4	82.2	64.8	17.38	4.731		
4,000.0	3,992.9	3,997.5	3,987.0	9.0	9.5	62.32	-48.7	-212.5	86.3	68.4	17.89	4.826		
4,100.0	4,092.8	4,097.4	4,086.3	9.2	9.8	61.47	-50.3	-222.6	91.8	73.5	18.33	5.011		
4,200.0	4,192.7	4,197.0	4,185.4	9.4	10.0	58.99	-52.0	-232.7	99.1	80.4	18.70	5.300		
4,300.0	4,292.7	4,296.5	4,284.4	9.6	10.3	-67.53	-53.7	-242.7	107.7	88.6	19.06	5.649		
4,400.0	4,392.7	4,396.0	4,383.3	9.8	10.6	-70.19	-55.4	-252.8	116.5	97.1	19.44	5.994		
4,500.0	4,492.7	4,495.4	4,482.3	10.0	10.9	-72.47	-57.0	-262.9	125.6	105.8	19.83	6.333		
4,600.0	4,592.7	4,594.9	4,581.2	10.2	11.2	-74.45	-58.7	-272.9	134.8	114.6	20.23	6.666		
4,700.0	4,692.7	4,694.4	4,680.1	10.4	11.5	-76.17	-60.4	-283.0	144.2	123.6	20.63	6.990		
4,800.0	4,792.7	4,793.8	4,779.1	10.6	11.8	-77.68	-62.0	-293.1	153.7	132.6	21.04	7.305		
4,900.0	4,892.7	4,893.3	4,878.0	10.8	12.0	-79.01	-63.7	-303.1	163.3	141.8	21.45	7.611		
5,000.0	4,992.7	4,992.8	4,977.0	11.0	12.3	-80.19	-65.4	-313.2	172.9	151.0	21.87	7.907		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,092.7	5,092.3	5,075.9	11.2	12.6	-81.25	-67.1	-323.2	182.6	160.3	22.29	8.194	
5,200.0	5,192.7	5,191.7	5,174.9	11.5	12.9	-82.21	-68.7	-333.3	192.4	169.7	22.71	8.472	
5,300.0	5,292.7	5,291.2	5,273.8	11.7	13.2	-83.07	-70.4	-343.4	202.2	179.1	23.14	8.740	
5,400.0	5,392.7	5,390.7	5,372.8	11.9	13.5	-83.85	-72.1	-353.4	212.1	188.5	23.57	9.000	
5,500.0	5,492.7	5,490.2	5,471.7	12.1	13.8	-84.56	-73.7	-363.5	222.0	198.0	24.00	9.251	
5,600.0	5,592.7	5,589.6	5,570.7	12.3	14.1	-85.21	-75.4	-373.6	231.9	207.5	24.43	9.494	
5,700.0	5,692.7	5,689.1	5,669.6	12.5	14.4	-85.80	-77.1	-383.6	241.9	217.0	24.86	9.728	
5,800.0	5,792.7	5,788.6	5,768.6	12.7	14.6	-86.35	-78.8	-393.7	251.9	226.6	25.30	9.955	
5,900.0	5,892.7	5,888.0	5,867.5	12.9	14.9	-86.86	-80.4	-403.8	261.9	236.1	25.74	10.175	
6,000.0	5,992.7	5,987.5	5,966.5	13.1	15.2	-87.33	-82.1	-413.8	271.9	245.7	26.17	10.387	
6,100.0	6,092.7	6,087.0	6,065.4	13.4	15.5	-87.77	-83.8	-423.9	281.9	255.3	26.61	10.593	
6,200.0	6,192.7	6,186.5	6,164.4	13.6	15.8	-88.17	-85.4	-433.9	292.0	264.9	27.05	10.792	
6,300.0	6,292.7	6,285.9	6,263.3	13.8	16.1	-88.55	-87.1	-444.0	302.0	274.5	27.50	10.985	
6,400.0	6,392.7	6,385.4	6,362.3	14.0	16.4	-88.91	-88.8	-454.1	312.1	284.2	27.94	11.172	
6,500.0	6,492.7	6,491.8	6,468.1	14.2	16.7	-89.24	-90.5	-464.2	321.6	293.2	28.38	11.331	
6,600.0	6,592.7	6,604.1	6,580.3	14.4	16.9	-89.46	-91.6	-471.0	327.7	298.9	28.81	11.375	
6,700.0	6,692.7	6,716.8	6,692.9	14.6	17.1	-89.53	-92.0	-473.4	329.8	300.6	29.23	11.286	
6,800.0	6,792.7	6,817.6	6,793.7	14.9	17.3	-89.53	-92.0	-473.4	329.9	300.2	29.64	11.128	
6,900.0	6,892.7	6,917.6	6,893.7	15.1	17.4	-89.53	-92.0	-473.4	329.9	299.8	30.06	10.973	
7,000.0	6,992.7	7,017.6	6,993.7	15.3	17.6	-89.53	-92.0	-473.4	329.9	299.4	30.48	10.822	
7,040.6	7,033.3	7,058.2	7,034.3	15.4	17.7	-89.53	-92.0	-473.4	329.9	299.2	30.65	10.762	
7,100.0	7,092.7	7,117.4	7,093.5	15.5	17.8	-89.19	-90.0	-473.4	329.9	299.0	30.90	10.675	
7,200.0	7,192.7	7,215.5	7,190.5	15.7	18.0	-87.41	-76.1	-473.4	330.2	298.9	31.34	10.536	
7,300.0	7,291.3	7,312.0	7,283.1	15.9	18.1	-85.34	-49.5	-473.3	331.0	299.2	31.73	10.432	
7,400.0	7,386.8	7,406.9	7,370.1	16.1	18.2	-83.39	-11.4	-473.2	332.1	300.0	32.07	10.355	
7,500.0	7,477.3	7,500.0	7,449.6	16.3	18.4	-81.58	36.8	-473.0	333.5	301.1	32.40	10.293	
7,600.0	7,561.0	7,593.1	7,522.3	16.4	18.5	-79.92	94.9	-472.8	335.1	302.3	32.77	10.225	
7,700.0	7,636.2	7,684.7	7,585.7	16.6	18.7	-78.47	160.8	-472.6	336.7	303.5	33.24	10.128	
7,800.0	7,701.7	7,775.3	7,639.8	17.0	19.0	-77.22	233.5	-472.4	338.3	304.4	33.90	9.980	
7,900.0	7,755.9	7,865.3	7,683.9	17.5	19.3	-76.21	311.9	-472.1	339.7	304.9	34.80	9.761	
8,000.0	7,797.9	7,954.7	7,717.6	18.2	19.9	-75.43	394.6	-471.9	340.8	304.8	36.01	9.466	
8,100.0	7,827.0	8,043.8	7,740.7	19.0	20.5	-74.90	480.6	-471.6	341.7	304.1	37.55	9.098	
8,200.0	7,842.4	8,132.6	7,752.9	20.0	21.3	-74.62	568.5	-471.3	342.1	302.7	39.43	8.676	
8,300.0	7,844.9	8,225.5	7,754.9	21.1	22.3	-74.58	661.4	-471.0	342.2	300.6	41.57	8.233	
8,400.0	7,844.7	8,325.5	7,754.7	22.2	23.5	-74.58	761.4	-470.7	342.2	298.3	43.91	7.793	
8,500.0	7,844.5	8,425.5	7,754.6	23.5	24.7	-74.58	861.4	-470.3	342.2	295.8	46.43	7.370	
8,600.0	7,844.3	8,525.5	7,754.4	24.9	26.0	-74.58	961.4	-470.0	342.2	293.1	49.10	6.969	
8,700.0	7,844.1	8,625.5	7,754.2	26.4	27.4	-74.59	1,061.4	-469.6	342.2	290.3	51.90	6.593	
8,800.0	7,843.9	8,725.5	7,754.0	27.9	28.9	-74.59	1,161.4	-469.3	342.2	287.4	54.81	6.243	
8,900.0	7,843.7	8,825.5	7,753.8	29.4	30.4	-74.59	1,261.4	-469.0	342.2	284.4	57.81	5.919	
9,000.0	7,843.5	8,925.5	7,753.6	31.0	32.0	-74.59	1,361.4	-468.6	342.2	281.3	60.89	5.620	
9,100.0	7,843.3	9,025.5	7,753.4	32.6	33.6	-74.59	1,461.4	-468.3	342.2	278.1	64.03	5.344	
9,200.0	7,843.1	9,125.5	7,753.3	34.3	35.2	-74.60	1,561.4	-468.0	342.2	274.9	67.24	5.089	
9,300.0	7,842.9	9,225.5	7,753.1	35.9	36.9	-74.60	1,661.4	-467.6	342.2	271.7	70.49	4.854	
9,400.0	7,842.7	9,325.5	7,752.9	37.6	38.5	-74.60	1,761.4	-467.3	342.2	268.4	73.79	4.637	
9,500.0	7,842.5	9,425.5	7,752.7	39.4	40.2	-74.60	1,861.4	-467.0	342.2	265.1	77.12	4.437	
9,600.0	7,842.3	9,525.5	7,752.5	41.1	41.9	-74.61	1,961.4	-466.6	342.2	261.7	80.49	4.251	
9,700.0	7,842.1	9,625.5	7,752.3	42.8	43.7	-74.61	2,061.4	-466.3	342.2	258.3	83.88	4.079	
9,800.0	7,841.9	9,725.5	7,752.1	44.6	45.4	-74.61	2,161.4	-466.0	342.2	254.9	87.31	3.919	
9,900.0	7,841.8	9,825.5	7,752.0	46.4	47.2	-74.61	2,261.4	-465.6	342.2	251.4	90.75	3.770	
10,000.0	7,841.6	9,925.5	7,751.8	48.2	49.0	-74.61	2,361.4	-465.3	342.2	247.9	94.22	3.632	
10,100.0	7,841.4	10,025.5	7,751.6	50.0	50.7	-74.62	2,461.4	-464.9	342.2	244.5	97.70	3.502	

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 K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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-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	
10,200.0	7,841.2	10,125.5	7,751.4	51.8	52.5	-74.62	2,561.4	-464.6	342.2	241.0	101.20	3.381	
10,300.0	7,841.0	10,225.5	7,751.2	53.6	54.3	-74.62	2,661.4	-464.3	342.2	237.4	104.71	3.268	
10,400.0	7,840.8	10,325.5	7,751.0	55.4	56.1	-74.62	2,761.4	-463.9	342.2	233.9	108.24	3.161	
10,500.0	7,840.6	10,425.5	7,750.8	57.2	57.9	-74.62	2,861.4	-463.6	342.2	230.4	111.78	3.061	
10,600.0	7,840.4	10,525.5	7,750.6	59.1	59.8	-74.63	2,961.4	-463.3	342.2	226.8	115.33	2.967	
10,700.0	7,840.2	10,625.5	7,750.5	60.9	61.6	-74.63	3,061.4	-462.9	342.2	223.3	118.89	2.878	
10,800.0	7,840.0	10,725.5	7,750.3	62.7	63.4	-74.63	3,161.4	-462.6	342.2	219.7	122.46	2.794	
10,900.0	7,839.8	10,825.5	7,750.1	64.6	65.3	-74.63	3,261.4	-462.3	342.2	216.1	126.03	2.715	
11,000.0	7,839.6	10,925.5	7,749.9	66.4	67.1	-74.63	3,361.4	-461.9	342.2	212.5	129.62	2.640	
11,100.0	7,839.4	11,025.5	7,749.7	68.3	68.9	-74.64	3,461.4	-461.6	342.2	208.9	133.21	2.568	
11,200.0	7,839.2	11,125.5	7,749.5	70.1	70.8	-74.64	3,561.3	-461.3	342.2	205.3	136.81	2.501	
11,300.0	7,839.0	11,225.5	7,749.3	72.0	72.6	-74.64	3,661.3	-460.9	342.1	201.7	140.41	2.437	
11,400.0	7,838.8	11,325.5	7,749.2	73.9	74.5	-74.64	3,761.3	-460.6	342.1	198.1	144.02	2.376	
11,500.0	7,838.6	11,425.5	7,749.0	75.7	76.4	-74.65	3,861.3	-460.2	342.1	194.5	147.64	2.317	
11,600.0	7,838.4	11,525.5	7,748.8	77.6	78.2	-74.65	3,961.3	-459.9	342.1	190.9	151.26	2.262	
11,700.0	7,838.2	11,625.5	7,748.6	79.5	80.1	-74.65	4,061.3	-459.6	342.1	187.3	154.88	2.209	
11,800.0	7,838.0	11,725.5	7,748.4	81.3	81.9	-74.65	4,161.3	-459.2	342.1	183.6	158.51	2.158	
11,900.0	7,837.8	11,825.5	7,748.2	83.2	83.8	-74.65	4,261.3	-458.9	342.1	180.0	162.14	2.110	
12,000.0	7,837.6	11,925.5	7,748.0	85.1	85.7	-74.66	4,361.3	-458.6	342.1	176.4	165.78	2.064	
12,100.0	7,837.4	12,025.5	7,747.9	87.0	87.5	-74.66	4,461.3	-458.2	342.1	172.7	169.42	2.020	
12,200.0	7,837.2	12,125.5	7,747.7	88.8	89.4	-74.66	4,561.3	-457.9	342.1	169.1	173.06	1.977	
12,300.0	7,837.0	12,225.5	7,747.5	90.7	91.3	-74.66	4,661.3	-457.6	342.1	165.4	176.70	1.936	
12,400.0	7,836.8	12,325.5	7,747.3	92.6	93.2	-74.66	4,761.3	-457.2	342.1	161.8	180.35	1.897	
12,500.0	7,836.6	12,425.5	7,747.1	94.5	95.0	-74.67	4,861.3	-456.9	342.1	158.1	184.00	1.859	
12,600.0	7,836.4	12,525.5	7,746.9	96.4	96.9	-74.67	4,961.3	-456.6	342.1	154.5	187.66	1.823	
12,700.0	7,836.2	12,625.5	7,746.7	98.2	98.8	-74.67	5,061.3	-456.2	342.1	150.8	191.31	1.788	
12,800.0	7,836.0	12,725.5	7,746.6	100.1	100.7	-74.67	5,161.3	-455.9	342.1	147.2	194.97	1.755	
12,900.0	7,835.8	12,825.5	7,746.4	102.0	102.6	-74.67	5,261.3	-455.6	342.1	143.5	198.63	1.722	
13,000.0	7,835.6	12,925.5	7,746.2	103.9	104.5	-74.68	5,361.3	-455.2	342.1	139.8	202.29	1.691	
13,100.0	7,835.4	13,025.5	7,746.0	105.8	106.3	-74.68	5,461.3	-454.9	342.1	136.2	205.95	1.661	
13,200.0	7,835.2	13,125.5	7,745.8	107.7	108.2	-74.68	5,561.3	-454.5	342.1	132.5	209.62	1.632	
13,300.0	7,835.0	13,225.5	7,745.6	109.6	110.1	-74.68	5,661.3	-454.2	342.1	128.8	213.29	1.604	
13,400.0	7,834.8	13,325.5	7,745.4	111.5	112.0	-74.68	5,761.3	-453.9	342.1	125.2	216.95	1.577	
13,500.0	7,834.6	13,425.5	7,745.3	113.4	113.9	-74.69	5,861.3	-453.5	342.1	121.5	220.63	1.551	
13,600.0	7,834.4	13,525.5	7,745.1	115.3	115.8	-74.69	5,961.3	-453.2	342.1	117.8	224.30	1.525	
13,700.0	7,834.2	13,625.5	7,744.9	117.1	117.7	-74.69	6,061.3	-452.9	342.1	114.2	227.97	1.501	
13,800.0	7,834.0	13,725.5	7,744.7	119.0	119.6	-74.69	6,161.3	-452.5	342.1	110.5	231.64	1.477 Level 3	
13,900.0	7,833.8	13,825.5	7,744.5	120.9	121.5	-74.70	6,261.3	-452.2	342.1	106.8	235.32	1.454 Level 3	
14,000.0	7,833.6	13,925.5	7,744.3	122.8	123.3	-74.70	6,361.3	-451.9	342.1	103.1	239.00	1.431 Level 3	
14,100.0	7,833.4	14,025.5	7,744.1	124.7	125.2	-74.70	6,461.3	-451.5	342.1	99.4	242.68	1.410 Level 3	
14,200.0	7,833.2	14,125.5	7,743.9	126.6	127.1	-74.70	6,561.3	-451.2	342.1	95.8	246.35	1.389 Level 3	
14,300.0	7,833.0	14,225.5	7,743.8	128.5	129.0	-74.70	6,661.3	-450.9	342.1	92.1	250.03	1.368 Level 3	
14,400.0	7,832.8	14,325.5	7,743.6	130.4	130.9	-74.71	6,761.3	-450.5	342.1	88.4	253.72	1.348 Level 3	
14,500.0	7,832.6	14,425.5	7,743.4	132.3	132.8	-74.71	6,861.3	-450.2	342.1	84.7	257.40	1.329 Level 3	
14,600.0	7,832.4	14,525.5	7,743.2	134.2	134.7	-74.71	6,961.3	-449.8	342.1	81.0	261.08	1.310 Level 3	
14,700.0	7,832.2	14,625.5	7,743.0	136.1	136.6	-74.71	7,061.3	-449.5	342.1	77.3	264.77	1.292 Level 3	
14,800.0	7,832.0	14,725.5	7,742.8	138.0	138.5	-74.71	7,161.3	-449.2	342.1	73.7	268.45	1.274 Level 3	
14,900.0	7,831.8	14,825.5	7,742.6	139.9	140.4	-74.72	7,261.3	-448.8	342.1	70.0	272.14	1.257 Level 3	
15,000.0	7,831.6	14,925.5	7,742.5	141.8	142.3	-74.72	7,361.3	-448.5	342.1	66.3	275.82	1.240 Level 2	
15,100.0	7,831.4	15,025.5	7,742.3	143.7	144.2	-74.72	7,461.3	-448.2	342.1	62.6	279.51	1.224 Level 2	
15,200.0	7,831.2	15,125.5	7,742.1	145.6	146.1	-74.72	7,561.3	-447.8	342.1	58.9	283.20	1.208 Level 2	
15,300.0	7,831.0	15,225.5	7,741.9	147.5	148.0	-74.72	7,661.3	-447.5	342.1	55.2	286.89	1.192 Level 2	

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 K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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 (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
15,400.0	7,830.8	15,325.5	7,741.7	149.4	149.9	-74.73	7,761.3	-447.2	342.1	51.5	290.58	1.177	Level 2
15,500.0	7,830.6	15,425.5	7,741.5	151.3	151.8	-74.73	7,861.3	-446.8	342.1	47.8	294.27	1.163	Level 2
15,600.0	7,830.4	15,525.5	7,741.3	153.2	153.7	-74.73	7,961.3	-446.5	342.1	44.1	297.96	1.148	Level 2
15,700.0	7,830.2	15,625.5	7,741.2	155.1	155.6	-74.73	8,061.3	-446.2	342.1	40.4	301.65	1.134	Level 2
15,800.0	7,830.0	15,725.5	7,741.0	157.0	157.5	-74.74	8,161.3	-445.8	342.1	36.8	305.34	1.120	Level 2
15,900.0	7,829.8	15,825.5	7,740.8	158.9	159.4	-74.74	8,261.3	-445.5	342.1	33.1	309.04	1.107	Level 2
16,000.0	7,829.6	15,925.5	7,740.6	160.8	161.3	-74.74	8,361.3	-445.1	342.1	29.4	312.73	1.094	Level 2
16,100.0	7,829.4	16,025.5	7,740.4	162.7	163.2	-74.74	8,461.3	-444.8	342.1	25.7	316.42	1.081	Level 2
16,200.0	7,829.2	16,125.5	7,740.2	164.6	165.1	-74.74	8,561.3	-444.5	342.1	22.0	320.12	1.069	Level 2
16,300.0	7,829.0	16,225.5	7,740.0	166.5	167.0	-74.75	8,661.3	-444.1	342.1	18.3	323.81	1.056	Level 2
16,320.1	7,829.0	16,245.7	7,740.0	166.8	167.4	-74.75	8,681.5	-444.1	342.1	17.6	324.49	1.054	Level 2
16,323.1	7,829.0	16,247.7	7,740.0	166.9	167.4	-74.75	8,683.5	-444.1	342.1	17.5	324.57	1.054	Level 2, SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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	19.54	14.2	5.0	15.1	15.1	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	19.54	14.2	5.0	15.1	14.9	0.22	67.093		
200.0	200.0	200.0	200.0	0.3	0.3	19.54	14.2	5.0	15.1	14.4	0.67	22.364		
300.0	300.0	300.0	300.0	0.6	0.6	19.54	14.2	5.0	15.1	14.0	1.12	13.419		
400.0	400.0	400.0	400.0	0.8	0.8	19.54	14.2	5.0	15.1	13.5	1.57	9.585		
500.0	500.0	500.0	500.0	1.0	1.0	19.54	14.2	5.0	15.1	13.1	2.02	7.455		
600.0	600.0	600.0	600.0	1.2	1.2	19.54	14.2	5.0	15.1	12.6	2.47	6.099		
700.0	700.0	700.0	700.0	1.5	1.5	19.54	14.2	5.0	15.1	12.2	2.92	5.161		
800.0	800.0	800.0	800.0	1.7	1.7	19.54	14.2	5.0	15.1	11.7	3.37	4.473		
900.0	900.0	900.0	900.0	1.9	1.9	19.54	14.2	5.0	15.1	11.3	3.82	3.947		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	19.54	14.2	5.0	15.1	10.8	4.27	3.531		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	19.54	14.2	5.0	15.1	10.4	4.72	3.195		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	19.54	14.2	5.0	15.1	9.9	5.17	2.917		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	19.54	14.2	5.0	15.1	9.5	5.62	2.684		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	19.54	14.2	5.0	15.1	9.0	6.07	2.485		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	19.54	14.2	5.0	15.1	8.6	6.52	2.314		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	19.54	14.2	5.0	15.1	8.1	6.97	2.164		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	19.54	14.2	5.0	15.1	7.7	7.42	2.033		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	19.54	14.2	5.0	15.1	7.2	7.87	1.917		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	19.54	14.2	5.0	15.1	6.8	8.32	1.813		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	19.54	14.2	5.0	15.1	6.3	8.77	1.720 CC		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	146.58	14.2	5.0	16.5	7.3	9.19	1.796		
2,200.0	2,199.8	2,199.8	2,199.8	4.8	4.8	154.40	14.2	5.0	21.1	11.5	9.59	2.198		
2,300.0	2,299.5	2,299.5	2,299.5	5.0	5.1	161.55	14.2	5.0	28.8	18.8	9.99	2.884		
2,400.0	2,399.1	2,399.1	2,399.1	5.2	5.3	165.83	14.2	5.0	37.3	26.9	10.40	3.582		
2,500.0	2,498.7	2,498.7	2,498.7	5.4	5.5	168.52	14.2	5.0	45.8	35.0	10.82	4.238		
2,600.0	2,598.3	2,597.8	2,597.7	5.6	5.7	172.03	13.4	6.5	55.0	43.8	11.21	4.904		
2,700.0	2,697.9	2,696.3	2,696.2	5.8	5.9	177.32	10.8	10.8	65.6	54.0	11.59	5.657		
2,800.0	2,797.5	2,794.5	2,793.9	6.0	6.1	-176.74	6.6	18.0	78.1	66.1	11.98	6.521		
2,900.0	2,897.2	2,893.3	2,892.3	6.3	6.3	-171.93	1.8	26.0	91.8	79.4	12.38	7.418		
3,000.0	2,996.8	2,992.1	2,990.7	6.5	6.5	-168.38	-2.9	34.0	106.0	93.2	12.78	8.291		
3,100.0	3,096.4	3,090.9	3,089.0	6.8	6.7	-165.67	-7.6	42.0	120.4	107.2	13.19	9.129		
3,200.0	3,196.0	3,189.7	3,187.4	7.0	6.9	-163.55	-12.4	50.0	135.1	121.5	13.61	9.927		
3,300.0	3,295.6	3,288.5	3,285.8	7.2	7.1	-161.84	-17.1	58.0	149.9	135.9	14.03	10.683		
3,400.0	3,395.2	3,387.3	3,384.2	7.5	7.4	-160.44	-21.8	66.0	164.9	150.4	14.46	11.399		
3,500.0	3,494.8	3,486.1	3,482.5	7.7	7.6	-159.27	-26.6	74.0	179.9	165.0	14.90	12.076		
3,600.0	3,594.4	3,584.9	3,580.9	8.0	7.8	-158.29	-31.3	82.0	194.9	179.6	15.33	12.715		
3,700.0	3,694.1	3,683.7	3,679.3	8.2	8.1	-157.44	-36.0	90.0	210.1	194.3	15.77	13.318		
3,800.0	3,793.7	3,782.5	3,777.6	8.5	8.3	-156.71	-40.8	98.0	225.2	209.0	16.22	13.888		
3,900.0	3,893.3	3,881.3	3,876.0	8.8	8.5	-156.07	-45.5	106.1	240.4	223.7	16.66	14.427		
4,000.0	3,992.9	3,980.2	3,974.4	9.0	8.8	-155.53	-50.2	114.1	255.3	238.2	17.12	14.911		
4,100.0	4,092.8	4,079.4	4,073.1	9.2	9.0	-154.83	-55.0	122.1	267.6	250.0	17.57	15.227		
4,200.0	4,192.7	4,178.8	4,172.1	9.4	9.3	-153.87	-59.8	130.2	276.7	258.7	18.00	15.372		
4,300.0	4,292.7	4,278.4	4,271.3	9.6	9.5	83.89	-64.5	138.2	284.2	265.8	18.43	15.420		
4,400.0	4,392.7	4,377.9	4,370.4	9.8	9.8	84.99	-69.3	146.3	291.9	273.0	18.87	15.465		
4,500.0	4,492.7	4,477.5	4,469.5	10.0	10.1	86.04	-74.1	154.4	299.6	280.3	19.31	15.514		
4,600.0	4,592.7	4,577.0	4,568.6	10.2	10.3	87.03	-78.8	162.4	307.4	287.6	19.75	15.565		
4,700.0	4,692.7	4,676.6	4,667.7	10.4	10.6	87.98	-83.6	170.5	315.3	295.1	20.19	15.617		
4,800.0	4,792.7	4,780.0	4,770.7	10.6	10.8	88.88	-88.4	178.6	323.0	302.4	20.63	15.658		
4,900.0	4,892.7	4,890.6	4,881.1	10.8	11.1	89.50	-91.8	184.4	328.2	307.2	21.07	15.579		
5,000.0	4,992.7	5,001.5	4,991.9	11.0	11.3	89.72	-93.1	186.5	330.1	308.6	21.50	15.356		
5,100.0	5,092.7	5,102.3	5,092.7	11.2	11.5	89.72	-93.1	186.5	330.1	308.2	21.91	15.066		

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 K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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		
5,200.0	5,192.7	5,202.3	5,192.7	11.5	11.7	89.72	-93.1	186.5	330.1	307.8	22.34	14.781		
5,300.0	5,292.7	5,302.3	5,292.7	11.7	11.9	89.72	-93.1	186.5	330.1	307.4	22.76	14.506		
5,400.0	5,392.7	5,402.3	5,392.7	11.9	12.1	89.72	-93.1	186.5	330.1	307.0	23.18	14.241		
5,500.0	5,492.7	5,502.3	5,492.7	12.1	12.3	89.72	-93.1	186.5	330.1	306.5	23.61	13.985		
5,600.0	5,592.7	5,602.3	5,592.7	12.3	12.5	89.72	-93.1	186.5	330.1	306.1	24.03	13.737		
5,700.0	5,692.7	5,702.3	5,692.7	12.5	12.7	89.72	-93.1	186.5	330.1	305.7	24.46	13.497		
5,800.0	5,792.7	5,802.3	5,792.7	12.7	12.9	89.72	-93.1	186.5	330.1	305.3	24.89	13.265		
5,900.0	5,892.7	5,902.3	5,892.7	12.9	13.1	89.72	-93.1	186.5	330.1	304.8	25.32	13.041		
6,000.0	5,992.7	6,002.3	5,992.7	13.1	13.3	89.72	-93.1	186.5	330.1	304.4	25.75	12.824		
6,100.0	6,092.7	6,102.3	6,092.7	13.4	13.5	89.72	-93.1	186.5	330.1	304.0	26.18	12.613		
6,200.0	6,192.7	6,202.3	6,192.7	13.6	13.8	89.72	-93.1	186.5	330.1	303.5	26.61	12.409		
6,300.0	6,292.7	6,302.3	6,292.7	13.8	14.0	89.72	-93.1	186.5	330.1	303.1	27.04	12.211		
6,400.0	6,392.7	6,402.3	6,392.7	14.0	14.2	89.72	-93.1	186.5	330.1	302.7	27.47	12.019		
6,500.0	6,492.7	6,502.3	6,492.7	14.2	14.4	89.72	-93.1	186.5	330.1	302.2	27.90	11.833		
6,600.0	6,592.7	6,602.3	6,592.7	14.4	14.6	89.72	-93.1	186.5	330.1	301.8	28.33	11.653		
6,700.0	6,692.7	6,702.3	6,692.7	14.6	14.8	89.72	-93.1	186.5	330.1	301.4	28.77	11.477		
6,800.0	6,792.7	6,802.3	6,792.7	14.9	15.0	89.72	-93.1	186.5	330.1	300.9	29.20	11.307		
6,900.0	6,892.7	6,902.3	6,892.7	15.1	15.2	89.72	-93.1	186.5	330.1	300.5	29.63	11.141		
7,000.0	6,992.7	7,002.3	6,992.7	15.3	15.4	89.72	-93.1	186.5	330.1	300.1	30.07	10.980		
7,100.0	7,092.7	7,102.3	7,092.7	15.5	15.7	89.72	-93.1	186.5	330.1	299.6	30.50	10.823		
7,200.0	7,192.7	7,202.1	7,192.4	15.7	15.9	89.54	-90.3	186.6	330.1	299.2	30.92	10.676		
7,300.0	7,291.3	7,301.7	7,290.7	15.9	16.1	89.56	-74.6	186.6	330.1	298.9	31.29	10.550		
7,400.0	7,386.8	7,401.3	7,385.9	16.1	16.2	89.58	-45.4	186.7	330.1	298.5	31.62	10.440		
7,500.0	7,477.3	7,501.0	7,476.2	16.3	16.4	89.60	-3.3	186.8	330.1	298.2	31.97	10.328		
7,600.0	7,561.0	7,600.7	7,559.7	16.4	16.5	89.63	51.0	187.0	330.1	297.8	32.38	10.196		
7,700.0	7,636.2	7,700.4	7,634.9	16.6	16.7	89.66	116.4	187.2	330.1	297.2	32.94	10.023		
7,800.0	7,701.7	7,800.2	7,700.2	17.0	17.0	89.69	191.6	187.5	330.1	296.4	33.71	9.793		
7,900.0	7,755.9	7,899.9	7,754.5	17.5	17.5	89.72	275.2	187.8	330.1	295.4	34.75	9.499		
8,000.0	7,797.9	7,999.7	7,796.6	18.2	18.1	89.75	365.6	188.0	330.1	294.0	36.10	9.145		
8,039.1	7,810.9	8,038.7	7,809.6	18.5	18.4	89.76	402.4	188.2	330.1	293.4	36.73	8.987		
8,100.0	7,827.0	8,099.5	7,825.7	19.0	19.0	89.78	461.0	188.4	330.1	292.4	37.76	8.744		
8,200.0	7,842.4	8,199.3	7,841.3	20.0	19.9	89.81	559.5	188.7	330.1	290.5	39.69	8.317		
8,300.0	7,844.9	8,299.2	7,843.9	21.1	21.0	89.83	659.3	189.0	330.1	288.3	41.84	7.891		
8,400.0	7,844.7	8,399.2	7,843.7	22.2	22.2	89.83	759.3	189.4	330.1	285.9	44.23	7.464		
8,500.0	7,844.5	8,499.2	7,843.5	23.5	23.4	89.83	859.3	189.7	330.1	283.3	46.81	7.053		
8,600.0	7,844.3	8,599.2	7,843.3	24.9	24.8	89.83	959.3	190.0	330.1	280.6	49.55	6.662		
8,700.0	7,844.1	8,699.2	7,843.1	26.4	26.2	89.83	1,059.3	190.4	330.1	277.7	52.43	6.296		
8,800.0	7,843.9	8,799.2	7,842.9	27.9	27.7	89.83	1,159.3	190.7	330.1	274.7	55.43	5.956		
8,900.0	7,843.7	8,899.2	7,842.7	29.4	29.3	89.83	1,259.3	191.0	330.1	271.6	58.52	5.642		
9,000.0	7,843.5	8,999.2	7,842.5	31.0	30.9	89.83	1,359.3	191.4	330.1	268.4	61.69	5.352		
9,100.0	7,843.3	9,099.2	7,842.3	32.6	32.5	89.83	1,459.3	191.7	330.1	265.2	64.93	5.084		
9,200.0	7,843.1	9,199.2	7,842.1	34.3	34.1	89.83	1,559.3	192.0	330.1	261.9	68.24	4.838		
9,300.0	7,842.9	9,299.2	7,841.9	35.9	35.8	89.83	1,659.3	192.4	330.1	258.5	71.60	4.611		
9,400.0	7,842.7	9,399.2	7,841.7	37.6	37.5	89.83	1,759.3	192.7	330.1	255.1	75.00	4.402		
9,500.0	7,842.5	9,499.2	7,841.5	39.4	39.2	89.83	1,859.3	193.1	330.1	251.7	78.44	4.209		
9,600.0	7,842.3	9,599.2	7,841.3	41.1	40.9	89.83	1,959.3	193.4	330.1	248.2	81.91	4.030		
9,700.0	7,842.1	9,699.2	7,841.1	42.8	42.7	89.83	2,059.3	193.7	330.1	244.7	85.42	3.865		
9,800.0	7,841.9	9,799.2	7,841.0	44.6	44.5	89.83	2,159.3	194.1	330.1	241.2	88.95	3.711		
9,900.0	7,841.8	9,899.2	7,840.8	46.4	46.2	89.83	2,259.3	194.4	330.1	237.6	92.51	3.569		
10,000.0	7,841.6	9,999.2	7,840.6	48.2	48.0	89.83	2,359.3	194.7	330.1	234.0	96.08	3.436		
10,100.0	7,841.4	10,099.2	7,840.4	50.0	49.8	89.83	2,459.3	195.1	330.1	230.4	99.68	3.312		
10,200.0	7,841.2	10,199.2	7,840.2	51.8	51.6	89.83	2,559.3	195.4	330.1	226.8	103.29	3.196		

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 K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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-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	7,841.0	10,299.2	7,840.0	53.6	53.4	89.83	2,659.3	195.7	330.1	223.2	106.92	3.088	
10,400.0	7,840.8	10,399.2	7,839.8	55.4	55.2	89.83	2,759.3	196.1	330.1	219.6	110.56	2.986	
10,500.0	7,840.6	10,499.2	7,839.6	57.2	57.1	89.83	2,859.3	196.4	330.1	215.9	114.21	2.890	
10,600.0	7,840.4	10,599.2	7,839.4	59.1	58.9	89.83	2,959.3	196.8	330.1	212.2	117.87	2.801	
10,700.0	7,840.2	10,699.2	7,839.2	60.9	60.7	89.83	3,059.3	197.1	330.1	208.6	121.55	2.716	
10,800.0	7,840.0	10,799.2	7,839.0	62.7	62.6	89.83	3,159.3	197.4	330.1	204.9	125.23	2.636	
10,900.0	7,839.8	10,899.2	7,838.8	64.6	64.4	89.83	3,259.3	197.8	330.1	201.2	128.92	2.561	
11,000.0	7,839.6	10,999.2	7,838.6	66.4	66.3	89.83	3,359.3	198.1	330.1	197.5	132.62	2.489	
11,100.0	7,839.4	11,099.2	7,838.4	68.3	68.1	89.83	3,459.3	198.4	330.1	193.8	136.32	2.421	
11,200.0	7,839.2	11,199.2	7,838.2	70.1	70.0	89.83	3,559.3	198.8	330.1	190.1	140.04	2.357	
11,300.0	7,839.0	11,299.2	7,838.0	72.0	71.8	89.83	3,659.3	199.1	330.1	186.3	143.76	2.296	
11,400.0	7,838.8	11,399.2	7,837.8	73.9	73.7	89.83	3,759.3	199.4	330.1	182.6	147.48	2.238	
11,500.0	7,838.6	11,499.2	7,837.6	75.7	75.5	89.83	3,859.3	199.8	330.1	178.9	151.21	2.183	
11,600.0	7,838.4	11,599.2	7,837.4	77.6	77.4	89.83	3,959.3	200.1	330.1	175.2	154.94	2.130	
11,700.0	7,838.2	11,699.2	7,837.2	79.5	79.3	89.83	4,059.3	200.5	330.1	171.4	158.68	2.080	
11,800.0	7,838.0	11,799.2	7,837.0	81.3	81.2	89.83	4,159.3	200.8	330.1	167.7	162.43	2.032	
11,900.0	7,837.8	11,899.2	7,836.8	83.2	83.0	89.83	4,259.3	201.1	330.1	163.9	166.17	1.986	
12,000.0	7,837.6	11,999.2	7,836.6	85.1	84.9	89.83	4,359.3	201.5	330.1	160.2	169.92	1.943	
12,100.0	7,837.4	12,099.2	7,836.4	87.0	86.8	89.83	4,459.3	201.8	330.1	156.4	173.68	1.901	
12,200.0	7,837.2	12,199.2	7,836.2	88.8	88.7	89.83	4,559.3	202.1	330.1	152.7	177.43	1.860	
12,300.0	7,837.0	12,299.2	7,836.0	90.7	90.5	89.83	4,659.3	202.5	330.1	148.9	181.19	1.822	
12,400.0	7,836.8	12,399.2	7,835.8	92.6	92.4	89.83	4,759.3	202.8	330.1	145.1	184.95	1.785	
12,500.0	7,836.6	12,499.2	7,835.6	94.5	94.3	89.83	4,859.3	203.1	330.1	141.4	188.72	1.749	
12,600.0	7,836.4	12,599.2	7,835.4	96.4	96.2	89.83	4,959.3	203.5	330.1	137.6	192.49	1.715	
12,700.0	7,836.2	12,699.2	7,835.2	98.2	98.1	89.83	5,059.3	203.8	330.1	133.8	196.26	1.682	
12,800.0	7,836.0	12,799.2	7,835.0	100.1	99.9	89.83	5,159.3	204.2	330.1	130.1	200.03	1.650	
12,900.0	7,835.8	12,899.2	7,834.8	102.0	101.8	89.83	5,259.3	204.5	330.1	126.3	203.80	1.620	
13,000.0	7,835.6	12,999.2	7,834.6	103.9	103.7	89.83	5,359.3	204.8	330.1	122.5	207.58	1.590	
13,100.0	7,835.4	13,099.2	7,834.4	105.8	105.6	89.83	5,459.3	205.2	330.1	118.7	211.36	1.562	
13,200.0	7,835.2	13,199.2	7,834.2	107.7	107.5	89.83	5,559.3	205.5	330.1	114.9	215.14	1.534	
13,300.0	7,835.0	13,299.2	7,834.0	109.6	109.4	89.83	5,659.3	205.8	330.1	111.2	218.92	1.508	
13,400.0	7,834.8	13,399.2	7,833.8	111.5	111.3	89.83	5,759.3	206.2	330.1	107.4	222.70	1.482 Level 3	
13,500.0	7,834.6	13,499.2	7,833.6	113.4	113.2	89.83	5,859.3	206.5	330.1	103.6	226.49	1.457 Level 3	
13,600.0	7,834.4	13,599.2	7,833.4	115.3	115.1	89.83	5,959.3	206.8	330.1	99.8	230.27	1.433 Level 3	
13,700.0	7,834.2	13,699.2	7,833.2	117.1	117.0	89.83	6,059.3	207.2	330.1	96.0	234.06	1.410 Level 3	
13,800.0	7,834.0	13,799.2	7,833.0	119.0	118.9	89.83	6,159.3	207.5	330.1	92.2	237.85	1.388 Level 3	
13,900.0	7,833.8	13,899.2	7,832.8	120.9	120.7	89.83	6,259.3	207.9	330.1	88.4	241.64	1.366 Level 3	
14,000.0	7,833.6	13,999.2	7,832.6	122.8	122.6	89.83	6,359.3	208.2	330.1	84.6	245.43	1.345 Level 3	
14,100.0	7,833.4	14,099.2	7,832.4	124.7	124.5	89.83	6,459.3	208.5	330.1	80.8	249.22	1.324 Level 3	
14,200.0	7,833.2	14,199.2	7,832.2	126.6	126.4	89.83	6,559.3	208.9	330.1	77.1	253.01	1.305 Level 3	
14,300.0	7,833.0	14,299.2	7,832.0	128.5	128.3	89.83	6,659.3	209.2	330.1	73.3	256.81	1.285 Level 3	
14,400.0	7,832.8	14,399.2	7,831.8	130.4	130.2	89.83	6,759.3	209.5	330.1	69.5	260.60	1.267 Level 3	
14,500.0	7,832.6	14,499.2	7,831.6	132.3	132.1	89.83	6,859.3	209.9	330.1	65.7	264.40	1.248 Level 2	
14,600.0	7,832.4	14,599.2	7,831.4	134.2	134.0	89.83	6,959.3	210.2	330.1	61.9	268.19	1.231 Level 2	
14,700.0	7,832.2	14,699.2	7,831.2	136.1	135.9	89.83	7,059.3	210.5	330.1	58.1	271.99	1.213 Level 2	
14,800.0	7,832.0	14,799.2	7,831.0	138.0	137.8	89.83	7,159.3	210.9	330.1	54.3	275.79	1.197 Level 2	
14,900.0	7,831.8	14,899.2	7,830.8	139.9	139.7	89.83	7,259.3	211.2	330.1	50.5	279.59	1.181 Level 2	
15,000.0	7,831.6	14,999.2	7,830.6	141.8	141.6	89.83	7,359.3	211.6	330.1	46.7	283.39	1.165 Level 2	
15,100.0	7,831.4	15,099.2	7,830.4	143.7	143.5	89.83	7,459.3	211.9	330.1	42.9	287.19	1.149 Level 2	
15,200.0	7,831.2	15,199.2	7,830.2	145.6	145.4	89.83	7,559.3	212.2	330.1	39.1	290.99	1.134 Level 2	
15,300.0	7,831.0	15,299.2	7,830.0	147.5	147.3	89.83	7,659.3	212.6	330.1	35.3	294.79	1.120 Level 2	
15,400.0	7,830.8	15,399.2	7,829.8	149.4	149.2	89.83	7,759.3	212.9	330.0	31.5	298.60	1.105 Level 2	

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 K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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									
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	7,830.6	15,499.2	7,829.6	151.3	151.1	89.83	7,859.3	213.2	330.0	27.6	302.40	1.091	Level 2
15,600.0	7,830.4	15,599.2	7,829.4	153.2	153.0	89.83	7,959.3	213.6	330.0	23.8	306.20	1.078	Level 2
15,700.0	7,830.2	15,699.2	7,829.2	155.1	154.9	89.83	8,059.3	213.9	330.0	20.0	310.01	1.065	Level 2
15,800.0	7,830.0	15,799.2	7,829.0	157.0	156.8	89.83	8,159.3	214.2	330.0	16.2	313.81	1.052	Level 2
15,900.0	7,829.8	15,899.2	7,828.8	158.9	158.7	89.83	8,259.3	214.6	330.0	12.4	317.62	1.039	Level 2
16,000.0	7,829.6	15,999.2	7,828.6	160.8	160.6	89.83	8,359.3	214.9	330.0	8.6	321.43	1.027	Level 2
16,100.0	7,829.4	16,099.2	7,828.4	162.7	162.5	89.83	8,459.3	215.3	330.0	4.8	325.23	1.015	Level 2
16,200.0	7,829.2	16,199.2	7,828.2	164.6	164.4	89.83	8,559.3	215.6	330.0	1.0	329.04	1.003	Level 2
16,300.0	7,829.0	16,299.2	7,828.0	166.5	166.3	89.83	8,659.3	215.9	330.0	-2.8	332.85	0.992	Level 1
16,323.1	7,829.0	16,322.3	7,828.0	166.9	166.8	89.83	8,682.4	216.0	330.0	-3.6	333.64	0.989	Level 1, ES, SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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
0.0	0.0	1.0	1.0	0.0	0.0	-159.96	-84.5	-30.8	90.0	90.0	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-159.96	-84.5	-30.8	90.0	89.7	0.23	396.283	
200.0	200.0	201.0	201.0	0.3	0.3	-159.96	-84.5	-30.8	90.0	89.3	0.68	132.972	
300.0	300.0	301.0	301.0	0.6	0.6	-159.96	-84.5	-30.8	90.0	88.8	1.13	79.889	
400.0	400.0	401.0	401.0	0.8	0.8	-159.96	-84.5	-30.8	90.0	88.4	1.58	57.096	
500.0	500.0	501.0	501.0	1.0	1.0	-159.96	-84.5	-30.8	90.0	87.9	2.03	44.422	
600.0	600.0	601.0	601.0	1.2	1.2	-159.96	-84.5	-30.8	90.0	87.5	2.47	36.353	
700.0	700.0	701.0	701.0	1.5	1.5	-159.96	-84.5	-30.8	90.0	87.0	2.92	30.764	
766.3	766.3	767.3	767.3	1.6	1.6	-159.96	-84.5	-30.8	90.0	86.7	3.22	27.918 CC	
800.0	800.0	801.0	801.0	1.7	1.7	-159.96	-84.5	-30.8	90.0	86.6	3.37	26.667 ES	
900.0	900.0	900.0	900.0	1.9	1.9	-158.94	-84.6	-32.6	90.7	86.8	3.81	23.809	
1,000.0	1,000.0	998.3	998.1	2.1	2.1	-156.05	-84.8	-37.7	92.9	88.6	4.23	21.928	
1,100.0	1,100.0	1,096.3	1,095.8	2.4	2.3	-151.57	-85.2	-46.1	97.0	92.3	4.68	20.748	
1,200.0	1,200.0	1,193.7	1,192.5	2.6	2.6	-146.00	-85.7	-57.8	103.8	98.6	5.14	20.184	
1,300.0	1,300.0	1,290.2	1,287.8	2.8	2.8	-139.95	-86.4	-72.6	113.6	108.0	5.64	20.162	
1,400.0	1,400.0	1,387.2	1,383.2	3.0	3.1	-134.00	-87.2	-90.3	126.8	120.6	6.17	20.543	
1,500.0	1,500.0	1,485.4	1,479.7	3.3	3.5	-129.03	-88.0	-108.6	141.4	134.6	6.74	20.989	
1,600.0	1,600.0	1,583.7	1,576.2	3.5	3.8	-125.00	-88.8	-126.8	156.8	149.5	7.31	21.445	
1,700.0	1,700.0	1,681.9	1,672.8	3.7	4.2	-121.71	-89.6	-145.1	172.9	165.0	7.90	21.891	
1,800.0	1,800.0	1,780.2	1,769.3	3.9	4.6	-118.97	-90.5	-163.4	189.4	180.9	8.49	22.319	
1,900.0	1,900.0	1,878.4	1,865.8	4.2	4.9	-116.68	-91.3	-181.7	206.3	197.2	9.08	22.723	
2,000.0	2,000.0	1,976.7	1,962.4	4.4	5.3	-114.74	-92.1	-199.9	223.5	213.8	9.67	23.102	
2,100.0	2,100.0	2,075.2	2,059.2	4.6	5.7	10.36	-92.9	-218.3	239.2	229.9	9.29	25.741	
2,200.0	2,199.8	2,174.2	2,156.4	4.8	6.1	12.00	-93.8	-236.7	251.7	242.0	9.71	25.931	
2,300.0	2,299.5	2,273.4	2,253.9	5.0	6.5	13.67	-94.6	-255.1	261.4	251.3	10.12	25.823	
2,400.0	2,399.1	2,372.7	2,351.4	5.2	6.9	15.26	-95.4	-273.6	270.9	260.3	10.55	25.675	
2,500.0	2,498.7	2,471.9	2,449.0	5.4	7.3	16.74	-96.2	-292.0	280.5	269.5	10.98	25.547	
2,600.0	2,598.3	2,571.2	2,546.5	5.6	7.7	18.13	-97.1	-310.5	290.3	278.9	11.42	25.434	
2,700.0	2,697.9	2,670.5	2,644.0	5.8	8.2	19.43	-97.9	-329.0	300.3	288.5	11.85	25.333	
2,800.0	2,797.5	2,769.8	2,741.6	6.0	8.6	20.64	-98.7	-347.4	310.4	298.1	12.30	25.241	
2,900.0	2,897.2	2,869.1	2,839.1	6.3	9.0	21.77	-99.6	-365.9	320.7	308.0	12.75	25.157	
3,000.0	2,996.8	2,968.3	2,936.7	6.5	9.4	22.84	-100.4	-384.4	331.1	317.9	13.20	25.079	
3,100.0	3,096.4	3,067.6	3,034.2	6.8	9.8	23.84	-101.2	-402.8	341.6	327.9	13.66	25.005	
3,200.0	3,196.0	3,166.9	3,131.8	7.0	10.2	24.78	-102.1	-421.3	352.1	338.0	14.12	24.936	
3,300.0	3,295.6	3,266.2	3,229.3	7.2	10.6	25.66	-102.9	-439.8	362.8	348.2	14.59	24.869	
3,400.0	3,395.2	3,365.4	3,326.8	7.5	11.0	26.50	-103.7	-458.2	373.6	358.5	15.06	24.806	
3,500.0	3,494.8	3,464.7	3,424.4	7.7	11.5	27.28	-104.5	-476.7	384.4	368.8	15.53	24.745	
3,600.0	3,594.4	3,564.0	3,521.9	8.0	11.9	28.03	-105.4	-495.1	395.3	379.3	16.01	24.686	
3,700.0	3,694.1	3,663.3	3,619.5	8.2	12.3	28.73	-106.2	-513.6	406.2	389.7	16.49	24.629	
3,800.0	3,793.7	3,762.6	3,717.0	8.5	12.7	29.40	-107.0	-532.1	417.2	400.3	16.98	24.574	
3,900.0	3,893.3	3,861.8	3,814.5	8.8	13.1	30.03	-107.9	-550.5	428.3	410.8	17.47	24.520	
4,000.0	3,992.9	3,961.1	3,912.1	9.0	13.5	30.67	-108.7	-569.0	439.7	421.8	17.95	24.498	
4,100.0	4,092.8	4,060.1	4,009.3	9.2	14.0	31.16	-109.5	-587.4	453.7	435.3	18.39	24.668	
4,200.0	4,192.7	4,158.6	4,106.1	9.4	14.4	31.45	-110.3	-605.7	470.6	451.8	18.81	25.020	
4,300.0	4,292.7	4,256.9	4,202.7	9.6	14.8	-91.96	-111.2	-624.0	489.2	470.0	19.25	25.408	
4,400.0	4,392.7	4,355.1	4,299.2	9.8	15.2	-91.99	-112.0	-642.3	507.9	488.1	19.71	25.763	
4,500.0	4,492.7	4,453.4	4,395.7	10.0	15.6	-92.01	-112.8	-660.5	526.5	506.3	20.17	26.099	
4,600.0	4,592.7	4,551.6	4,492.3	10.2	16.0	-92.03	-113.6	-678.8	545.1	524.5	20.63	26.420	
4,700.0	4,692.7	4,649.9	4,588.8	10.4	16.4	-92.04	-114.4	-697.1	563.7	542.6	21.09	26.726	
4,800.0	4,792.7	4,748.1	4,685.3	10.6	16.9	-92.06	-115.3	-715.4	582.3	560.8	21.55	27.018	
7,500.0	7,477.3	8,835.1	7,987.0	16.3	32.1	-180.00	-147.2	-143.8	528.4	485.0	43.45	12.160	
7,600.0	7,561.0	8,835.1	7,987.0	16.4	32.1	-180.00	-147.2	-143.8	468.7	427.9	40.77	11.496 SF	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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
7,700.0	7,636.2	8,835.1	7,987.0	16.6	32.1	-180.00	-147.2	-143.8	437.7	400.2	37.60	11.644	
7,737.5	7,662.0	8,835.1	7,987.0	16.7	32.1	-180.00	-147.2	-143.8	435.2	398.8	36.32	11.982	
7,800.0	7,701.7	8,835.1	7,987.0	17.0	32.1	-180.00	-147.2	-143.8	442.3	408.2	34.09	12.974	
7,900.0	7,755.9	8,835.1	7,987.0	17.5	32.1	-180.00	-147.2	-143.8	481.3	450.8	30.48	15.789	
8,000.0	7,797.9	8,835.1	7,987.0	18.2	32.1	-180.00	-147.2	-143.8	546.7	519.6	27.07	20.196	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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
0.0	0.0	1.0	1.0	0.0	0.0	-159.96	-70.7	-25.8	75.2	75.2	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-159.96	-70.7	-25.8	75.2	75.0	0.23	331.399	
200.0	200.0	201.0	201.0	0.3	0.3	-159.96	-70.7	-25.8	75.2	74.6	0.68	111.200	
300.0	300.0	301.0	301.0	0.6	0.6	-159.96	-70.7	-25.8	75.2	74.1	1.13	66.809	
400.0	400.0	401.0	401.0	0.8	0.8	-159.96	-70.7	-25.8	75.2	73.7	1.58	47.748	
500.0	500.0	501.0	501.0	1.0	1.0	-159.96	-70.7	-25.8	75.2	73.2	2.03	37.149	
600.0	600.0	601.0	601.0	1.2	1.2	-159.96	-70.7	-25.8	75.2	72.8	2.47	30.401	
700.0	700.0	701.0	701.0	1.5	1.5	-159.96	-70.7	-25.8	75.2	72.3	2.92	25.727	
800.0	800.0	801.0	801.0	1.7	1.7	-159.96	-70.7	-25.8	75.2	71.9	3.37	22.299	
900.0	900.0	901.0	901.0	1.9	1.9	-159.96	-70.7	-25.8	75.2	71.4	3.82	19.677	
966.3	966.3	967.3	967.3	2.1	2.1	-159.96	-70.7	-25.8	75.2	71.1	4.12	18.254 CC	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-159.96	-70.7	-25.8	75.2	71.0	4.27	17.608 ES	
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.3	-158.68	-70.5	-27.5	75.7	71.0	4.71	16.084	
1,200.0	1,200.0	1,199.3	1,199.1	2.6	2.6	-155.01	-70.1	-32.7	77.4	72.3	5.14	15.062	
1,300.0	1,300.0	1,297.8	1,297.3	2.8	2.8	-149.32	-69.5	-41.2	80.8	75.3	5.58	14.488	
1,400.0	1,400.0	1,395.7	1,394.4	3.0	3.0	-142.29	-68.5	-53.0	86.9	80.8	6.04	14.380	
1,500.0	1,500.0	1,492.6	1,490.2	3.3	3.3	-134.77	-67.4	-67.9	96.2	89.7	6.53	14.739	
1,600.0	1,600.0	1,588.4	1,584.3	3.5	3.6	-127.54	-65.9	-85.8	109.5	102.4	7.06	15.518	
1,700.0	1,700.0	1,684.0	1,677.5	3.7	3.9	-121.09	-64.3	-106.6	126.7	119.1	7.62	16.624	
1,800.0	1,800.0	1,781.4	1,772.4	3.9	4.3	-115.95	-62.6	-128.6	145.8	137.6	8.22	17.734	
1,900.0	1,900.0	1,878.8	1,867.3	4.2	4.7	-112.01	-60.8	-150.5	165.8	157.0	8.83	18.770	
2,000.0	2,000.0	1,976.2	1,962.2	4.4	5.1	-108.92	-59.1	-172.4	186.4	176.9	9.45	19.718	
2,100.0	2,100.0	2,073.9	2,057.4	4.6	5.5	16.99	-57.4	-194.4	205.7	196.5	9.25	22.250	
2,200.0	2,199.8	2,172.1	2,153.1	4.8	6.0	19.35	-55.6	-216.6	222.2	212.5	9.66	23.008	
2,300.0	2,299.5	2,270.7	2,249.1	5.0	6.4	21.69	-53.9	-238.8	236.2	226.1	10.07	23.448	
2,400.0	2,399.1	2,369.3	2,345.1	5.2	6.9	23.86	-52.1	-261.0	250.1	239.6	10.50	23.819	
2,500.0	2,498.7	2,467.9	2,441.2	5.4	7.3	25.80	-50.4	-283.2	264.3	253.4	10.93	24.176	
2,600.0	2,598.3	2,566.5	2,537.2	5.6	7.8	27.54	-48.6	-305.4	278.8	267.4	11.37	24.514	
2,700.0	2,697.9	2,665.1	2,633.3	5.8	8.2	29.11	-46.9	-327.6	293.5	281.7	11.82	24.833	
2,800.0	2,797.5	2,763.7	2,729.4	6.0	8.7	30.53	-45.1	-349.8	308.4	296.1	12.27	25.129	
2,900.0	2,897.2	2,862.3	2,825.4	6.3	9.2	31.82	-43.4	-372.0	323.5	310.7	12.73	25.404	
3,000.0	2,996.8	2,960.9	2,921.5	6.5	9.6	32.99	-41.6	-394.2	338.7	325.5	13.20	25.659	
3,100.0	3,096.4	3,059.5	3,017.5	6.8	10.1	34.07	-39.9	-416.4	354.1	340.4	13.67	25.893	
3,200.0	3,196.0	3,158.1	3,113.6	7.0	10.6	35.05	-38.1	-438.6	369.5	355.4	14.15	26.109	
3,300.0	3,295.6	3,256.7	3,209.6	7.2	11.1	35.96	-36.4	-460.8	385.1	370.5	14.64	26.308	
3,400.0	3,395.2	3,355.3	3,305.7	7.5	11.5	36.79	-34.6	-483.0	400.7	385.6	15.13	26.490	
3,500.0	3,494.8	3,453.9	3,401.8	7.7	12.0	37.56	-32.9	-505.2	416.5	400.8	15.62	26.658	
3,600.0	3,594.4	3,552.6	3,497.8	8.0	12.5	38.28	-31.1	-527.4	432.3	416.1	16.12	26.812	
3,700.0	3,694.1	3,651.2	3,593.9	8.2	13.0	38.94	-29.3	-549.6	448.1	431.5	16.63	26.953	
3,800.0	3,793.7	3,749.8	3,689.9	8.5	13.4	39.56	-27.6	-571.8	464.0	446.9	17.13	27.084	
3,900.0	3,893.3	3,848.4	3,786.0	8.8	13.9	40.14	-25.8	-594.0	480.0	462.3	17.64	27.203	
4,000.0	3,992.9	3,946.9	3,882.0	9.0	14.4	40.75	-24.1	-616.2	496.3	478.1	18.15	27.348	
4,100.0	4,092.8	4,045.2	3,977.7	9.2	14.9	41.26	-22.3	-638.4	514.8	496.2	18.60	27.671	
4,200.0	4,192.7	4,142.9	4,072.9	9.4	15.4	41.54	-20.6	-660.4	535.9	516.8	19.03	28.153	
4,300.0	4,292.7	4,240.3	4,167.8	9.6	15.8	-81.99	-18.9	-682.3	558.4	538.9	19.48	28.664	
4,400.0	4,392.7	4,337.8	4,262.7	9.8	16.3	-82.12	-17.1	-704.2	580.9	561.0	19.94	29.131	
7,200.0	7,192.7	8,627.5	7,753.8	15.7	32.3	1.87	17.9	-141.3	570.8	523.1	47.75	11.955	
7,300.0	7,291.3	8,627.2	7,753.8	15.9	32.3	173.17	17.9	-141.6	471.0	423.9	47.08	10.004	
7,400.0	7,386.8	8,626.9	7,753.8	16.1	32.3	178.99	17.9	-142.0	371.7	325.9	45.81	8.113	
7,500.0	7,477.3	8,626.5	7,753.8	16.3	32.2	179.53	17.9	-142.3	276.5	232.7	43.76	6.318	
7,600.0	7,561.0	8,626.3	7,753.9	16.4	32.2	179.73	17.9	-142.6	194.6	153.5	41.08	4.737	
7,700.0	7,636.2	8,626.0	7,753.9	16.6	32.2	179.85	17.9	-142.8	152.5	114.5	37.91	4.021 SF	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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
7,710.5	7,643.6	8,626.0	7,753.9	16.6	32.2	179.86	17.9	-142.9	152.0	114.5	37.56	4.047	
7,800.0	7,701.7	8,625.8	7,753.9	17.0	32.2	179.93	17.9	-143.1	181.1	146.8	34.39	5.267	
7,900.0	7,755.9	8,625.6	7,753.9	17.5	32.2	-179.99	17.9	-143.2	257.7	226.9	30.74	8.383	
8,000.0	7,797.9	8,625.4	7,753.9	18.2	32.2	-179.89	17.9	-143.4	351.2	324.0	27.25	12.887	
8,100.0	7,827.0	8,625.3	7,753.9	19.0	32.2	-179.45	17.9	-143.5	450.1	425.8	24.31	18.513	
8,200.0	7,842.4	8,625.3	7,753.9	20.0	32.2	-0.42	17.9	-143.5	550.0	527.3	22.63	24.300	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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-11-2HC - Wellbore #1 - Plan #1 (9-4-14)													Offset Site Error: 0.0 ft
Survey Program: 0-MWD													Offset Well Error: 0.0 ft
Reference	Offset	Semi Major Axis		Distance									Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	68.43	13.8	35.0	37.7				
100.0	100.0	99.0	99.0	0.1	0.1	68.43	13.8	35.0	37.7	37.4	0.22	168.439	
200.0	200.0	199.0	199.0	0.3	0.3	68.43	13.8	35.0	37.7	37.0	0.67	56.053	
300.0	300.0	299.0	299.0	0.6	0.6	68.43	13.8	35.0	37.7	36.5	1.12	33.587	
400.0	400.0	399.0	399.0	0.8	0.8	68.43	13.8	35.0	37.7	36.1	1.57	23.977	
500.0	500.0	499.0	499.0	1.0	1.0	68.43	13.8	35.0	37.7	35.6	2.02	18.643	
600.0	600.0	599.0	599.0	1.2	1.2	68.43	13.8	35.0	37.7	35.2	2.47	15.250	
700.0	700.0	699.0	699.0	1.5	1.5	68.43	13.8	35.0	37.7	34.8	2.92	12.902	
800.0	800.0	799.0	799.0	1.7	1.7	68.43	13.8	35.0	37.7	34.3	3.37	11.181	
900.0	900.0	899.0	899.0	1.9	1.9	68.43	13.8	35.0	37.7	33.9	3.82	9.865	
1,000.0	1,000.0	999.0	999.0	2.1	2.1	68.43	13.8	35.0	37.7	33.4	4.27	8.826 CC, ES	
1,100.0	1,100.0	1,097.9	1,097.8	2.4	2.3	69.70	13.6	36.7	39.1	34.4	4.70	8.325 SF	
1,200.0	1,200.0	1,196.5	1,196.3	2.6	2.5	73.01	12.7	41.7	43.7	38.5	5.12	8.520	
1,300.0	1,300.0	1,294.6	1,294.1	2.8	2.8	77.20	11.4	50.0	51.5	45.9	5.56	9.256	
1,400.0	1,400.0	1,392.4	1,391.1	3.0	3.0	81.28	9.4	61.5	62.7	56.7	6.02	10.420	
1,500.0	1,500.0	1,491.5	1,489.4	3.3	3.2	84.41	7.3	74.4	75.3	68.9	6.49	11.608	
1,600.0	1,600.0	1,590.6	1,587.6	3.5	3.5	86.64	5.1	87.3	88.2	81.2	6.98	12.638	
1,700.0	1,700.0	1,689.7	1,685.9	3.7	3.8	88.31	3.0	100.2	101.1	93.6	7.47	13.533	
1,800.0	1,800.0	1,788.9	1,784.2	3.9	4.1	89.59	0.8	113.1	114.1	106.1	7.97	14.314	
1,900.0	1,900.0	1,888.0	1,882.4	4.2	4.4	90.62	-1.4	126.0	127.1	118.6	8.47	14.998	
2,000.0	2,000.0	1,987.1	1,980.7	4.4	4.7	91.45	-3.5	138.9	140.2	131.2	8.98	15.603	
2,100.0	2,100.0	2,086.0	2,078.7	4.6	5.0	-144.67	-5.7	151.8	154.7	145.6	9.06	17.072	
2,200.0	2,199.8	2,184.5	2,176.4	4.8	5.3	-144.90	-7.8	164.6	172.0	162.5	9.46	18.189	
2,300.0	2,299.5	2,282.5	2,273.5	5.0	5.6	-145.66	-9.9	177.4	191.8	181.9	9.86	19.454	
2,400.0	2,399.1	2,380.4	2,370.5	5.2	5.9	-146.45	-12.1	190.1	212.1	201.8	10.28	20.628	
2,500.0	2,498.7	2,478.3	2,467.5	5.4	6.2	-147.11	-14.2	202.9	232.3	221.6	10.71	21.699	
2,600.0	2,598.3	2,576.2	2,564.6	5.6	6.5	-147.66	-16.3	215.6	252.7	241.5	11.14	22.680	
2,700.0	2,697.9	2,674.0	2,661.6	5.8	6.8	-148.13	-18.5	228.4	273.0	261.4	11.58	23.579	
2,800.0	2,797.5	2,771.9	2,758.6	6.0	7.1	-148.53	-20.6	241.1	293.3	281.3	12.02	24.405	
2,900.0	2,897.2	2,869.8	2,855.7	6.3	7.5	-148.88	-22.7	253.9	313.7	301.2	12.46	25.166	
3,000.0	2,996.8	2,967.7	2,952.7	6.5	7.8	-149.19	-24.8	266.6	334.1	321.1	12.91	25.869	
3,100.0	3,096.4	3,065.6	3,049.7	6.8	8.1	-149.46	-27.0	279.4	354.4	341.1	13.37	26.519	
3,200.0	3,196.0	3,163.5	3,146.8	7.0	8.4	-149.70	-29.1	292.1	374.8	361.0	13.82	27.121	
3,300.0	3,295.6	3,261.4	3,243.8	7.2	8.7	-149.92	-31.2	304.9	395.2	380.9	14.28	27.681	
3,400.0	3,395.2	3,359.3	3,340.8	7.5	9.1	-150.12	-33.4	317.6	415.6	400.9	14.74	28.202	
3,500.0	3,494.8	3,457.2	3,437.9	7.7	9.4	-150.30	-35.5	330.4	436.0	420.8	15.20	28.688	
3,600.0	3,594.4	3,555.0	3,534.9	8.0	9.7	-150.46	-37.6	343.1	456.4	440.7	15.66	29.142	
3,700.0	3,694.1	3,652.9	3,631.9	8.2	10.0	-150.61	-39.8	355.9	476.8	460.7	16.13	29.568	
3,800.0	3,793.7	3,750.8	3,729.0	8.5	10.4	-150.74	-41.9	368.6	497.2	480.6	16.59	29.966	
3,900.0	3,893.3	3,848.7	3,826.0	8.8	10.7	-150.87	-44.0	381.4	517.6	500.6	17.06	30.341	
4,000.0	3,992.9	3,946.7	3,923.1	9.0	11.0	-151.05	-46.1	394.1	537.7	520.2	17.55	30.647	
4,100.0	4,092.8	4,045.1	4,020.7	9.2	11.3	-151.16	-48.3	406.9	555.3	537.3	18.03	30.799	
4,200.0	4,192.7	4,144.0	4,118.7	9.4	11.7	-151.08	-50.4	419.8	569.8	551.3	18.49	30.815	
4,300.0	4,292.7	4,243.1	4,217.0	9.6	12.0	85.82	-52.6	432.7	582.7	563.7	18.94	30.768	
4,400.0	4,392.7	4,342.3	4,315.2	9.8	12.3	86.12	-54.8	445.6	595.5	576.1	19.39	30.719	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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-11-2HN - 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
0.0	0.0	0.0	0.0	0.0	0.0	55.54	13.8	20.2	24.5				
100.0	100.0	100.0	100.0	0.1	0.1	55.54	13.8	20.2	24.5	24.2	0.22	108.883	
200.0	200.0	200.0	200.0	0.3	0.3	55.54	13.8	20.2	24.5	23.8	0.67	36.294	
300.0	300.0	300.0	300.0	0.6	0.6	55.54	13.8	20.2	24.5	23.3	1.12	21.777	
400.0	400.0	400.0	400.0	0.8	0.8	55.54	13.8	20.2	24.5	22.9	1.57	15.555	
500.0	500.0	500.0	500.0	1.0	1.0	55.54	13.8	20.2	24.5	22.5	2.02	12.098	
600.0	600.0	600.0	600.0	1.2	1.2	55.54	13.8	20.2	24.5	22.0	2.47	9.898	
700.0	700.0	700.0	700.0	1.5	1.5	55.54	13.8	20.2	24.5	21.6	2.92	8.376	
800.0	800.0	800.0	800.0	1.7	1.7	55.54	13.8	20.2	24.5	21.1	3.37	7.259	
900.0	900.0	900.0	900.0	1.9	1.9	55.54	13.8	20.2	24.5	20.7	3.82	6.405	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	55.54	13.8	20.2	24.5	20.2	4.27	5.731	
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	55.54	13.8	20.2	24.5	19.8	4.72	5.185	
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	55.54	13.8	20.2	24.5	19.3	5.17	4.734	
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	55.54	13.8	20.2	24.5	18.9	5.62	4.355	
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	55.54	13.8	20.2	24.5	18.4	6.07	4.033	
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	55.54	13.8	20.2	24.5	18.0	6.52	3.755 CC, ES	
1,600.0	1,600.0	1,599.4	1,599.4	3.5	3.5	58.34	13.5	21.9	25.7	18.7	6.95	3.697 SF	
1,700.0	1,700.0	1,698.5	1,698.4	3.7	3.7	65.27	12.4	26.9	29.7	22.3	7.37	4.024	
1,800.0	1,800.0	1,797.2	1,796.6	3.9	3.9	73.28	10.6	35.2	36.9	29.1	7.80	4.734	
1,900.0	1,900.0	1,895.9	1,894.7	4.2	4.1	80.07	8.1	46.5	47.5	39.3	8.25	5.759	
2,000.0	2,000.0	1,995.1	1,993.2	4.4	4.3	84.52	5.6	58.3	58.9	50.2	8.71	6.769	
2,100.0	2,100.0	2,094.2	2,091.5	4.6	4.6	-149.66	3.0	70.0	72.1	63.0	9.06	7.960	
2,200.0	2,199.8	2,192.9	2,189.5	4.8	4.8	-149.13	0.5	81.7	88.3	78.8	9.44	9.353	
2,300.0	2,299.5	2,291.1	2,287.0	5.0	5.1	-149.65	-2.0	93.4	107.1	97.3	9.83	10.896	
2,400.0	2,399.1	2,389.2	2,384.4	5.2	5.4	-150.19	-4.6	105.0	126.3	116.1	10.23	12.343	
2,500.0	2,498.7	2,487.4	2,481.8	5.4	5.6	-150.59	-7.1	116.7	145.5	134.9	10.65	13.672	
2,600.0	2,598.3	2,585.5	2,579.2	5.6	5.9	-150.89	-9.6	128.3	164.8	153.7	11.06	14.893	
2,700.0	2,697.9	2,683.6	2,676.6	5.8	6.2	-151.14	-12.1	140.0	184.0	172.5	11.49	16.017	
2,800.0	2,797.5	2,781.7	2,774.0	6.0	6.5	-151.33	-14.7	151.6	203.3	191.4	11.92	17.054	
2,900.0	2,897.2	2,879.9	2,871.4	6.3	6.7	-151.49	-17.2	163.2	222.5	210.2	12.35	18.013	
3,000.0	2,996.8	2,978.0	2,968.8	6.5	7.0	-151.63	-19.7	174.9	241.8	229.0	12.79	18.900	
3,100.0	3,096.4	3,076.1	3,066.2	6.8	7.3	-151.75	-22.2	186.5	261.0	247.8	13.23	19.723	
3,200.0	3,196.0	3,174.3	3,163.6	7.0	7.6	-151.85	-24.8	198.2	280.3	266.6	13.68	20.489	
3,300.0	3,295.6	3,272.4	3,261.0	7.2	7.9	-151.93	-27.3	209.8	299.5	285.4	14.13	21.201	
3,400.0	3,395.2	3,370.5	3,358.4	7.5	8.2	-152.01	-29.8	221.5	318.8	304.2	14.58	21.866	
3,500.0	3,494.8	3,468.6	3,455.8	7.7	8.5	-152.08	-32.3	233.1	338.0	323.0	15.03	22.487	
3,600.0	3,594.4	3,566.8	3,553.2	8.0	8.8	-152.14	-34.9	244.8	357.3	341.8	15.49	23.068	
3,700.0	3,694.1	3,664.9	3,650.6	8.2	9.1	-152.19	-37.4	256.4	376.5	360.6	15.95	23.613	
3,800.0	3,793.7	3,763.0	3,748.0	8.5	9.4	-152.24	-39.9	268.0	395.8	379.4	16.41	24.124	
3,900.0	3,893.3	3,861.2	3,845.4	8.8	9.7	-152.29	-42.4	279.7	415.1	398.2	16.87	24.606	
4,000.0	3,992.9	3,959.3	3,942.9	9.0	10.0	-152.39	-45.0	291.3	434.0	416.7	17.34	25.022	
4,100.0	4,092.8	4,058.0	4,040.8	9.2	10.3	-152.38	-47.5	303.0	450.4	432.5	17.82	25.278	
4,200.0	4,192.7	4,157.0	4,139.1	9.4	10.6	-152.15	-50.0	314.8	463.7	445.4	18.27	25.382	
4,300.0	4,292.7	4,256.3	4,237.6	9.6	10.9	84.88	-52.6	326.6	475.3	456.6	18.71	25.404	
4,400.0	4,392.7	4,355.6	4,336.2	9.8	11.2	85.31	-55.1	338.3	486.9	467.7	19.15	25.420	
4,500.0	4,492.7	4,454.8	4,434.7	10.0	11.6	85.71	-57.7	350.1	498.5	478.9	19.60	25.436	
4,600.0	4,592.7	4,554.1	4,533.2	10.2	11.9	86.10	-60.3	361.9	510.2	490.1	20.04	25.452	
4,700.0	4,692.7	4,653.3	4,631.7	10.4	12.2	86.47	-62.8	373.7	521.8	501.4	20.49	25.468	
4,800.0	4,792.7	4,752.6	4,730.3	10.6	12.5	86.83	-65.4	385.5	533.5	512.6	20.94	25.483	
4,900.0	4,892.7	4,851.9	4,828.8	10.8	12.8	87.17	-67.9	397.2	545.3	523.9	21.38	25.498	
5,000.0	4,992.7	4,951.1	4,927.3	11.0	13.1	87.49	-70.5	409.0	557.0	535.2	21.83	25.513	
5,100.0	5,092.7	5,050.4	5,025.8	11.2	13.4	87.80	-73.0	420.8	568.8	546.5	22.28	25.528	

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 K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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-11-2HN - 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)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,200.0	5,192.7	5,149.6	5,124.4	11.5	13.7	88.10	-75.6	432.6	580.5	557.8	22.73	25.542					
5,300.0	5,292.7	5,248.9	5,222.9	11.7	14.0	88.39	-78.1	444.3	592.3	569.1	23.18	25.555					

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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-11-2HN - 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	74.96	13.5	50.2	52.0					
100.0	100.0	99.0	99.0	0.1	0.1	74.96	13.5	50.2	51.9	51.7	0.22	232.278		
200.0	200.0	199.0	199.0	0.3	0.3	74.96	13.5	50.2	51.9	51.3	0.67	77.297		
300.0	300.0	299.0	299.0	0.6	0.6	74.96	13.5	50.2	51.9	50.8	1.12	46.316		
400.0	400.0	399.0	399.0	0.8	0.8	74.96	13.5	50.2	51.9	50.4	1.57	33.064		
500.0	500.0	499.0	499.0	1.0	1.0	74.96	13.5	50.2	51.9	49.9	2.02	25.708		
600.0	600.0	599.0	599.0	1.2	1.2	74.96	13.5	50.2	51.9	49.5	2.47	21.030		
700.0	700.0	699.0	699.0	1.5	1.5	74.96	13.5	50.2	51.9	49.0	2.92	17.792		
800.0	800.0	799.0	799.0	1.7	1.7	74.96	13.5	50.2	51.9	48.6	3.37	15.418 CC, ES		
900.0	900.0	897.3	897.3	1.9	1.9	75.64	13.3	51.8	53.5	49.7	3.80	14.076		
1,000.0	1,000.0	995.4	995.3	2.1	2.1	77.50	12.6	56.8	58.3	54.0	4.23	13.788 SF		
1,100.0	1,100.0	1,093.1	1,092.5	2.4	2.3	79.99	11.5	65.0	66.3	61.7	4.67	14.217		
1,200.0	1,200.0	1,190.0	1,188.8	2.6	2.5	82.60	9.9	76.4	77.7	72.6	5.13	15.170		
1,300.0	1,300.0	1,287.7	1,285.4	2.8	2.8	84.96	8.0	90.7	92.1	86.5	5.61	16.414		
1,400.0	1,400.0	1,386.5	1,383.1	3.0	3.1	86.75	6.0	105.6	106.9	100.8	6.12	17.483		
1,500.0	1,500.0	1,485.4	1,480.8	3.3	3.4	88.10	4.0	120.4	121.8	115.2	6.63	18.373		
1,600.0	1,600.0	1,584.2	1,578.5	3.5	3.7	89.16	2.0	135.2	136.8	129.6	7.15	19.120		
1,700.0	1,700.0	1,683.1	1,676.2	3.7	4.0	90.01	0.0	150.0	151.8	144.1	7.68	19.755		
1,800.0	1,800.0	1,781.9	1,773.9	3.9	4.4	90.70	-2.0	164.9	166.8	158.6	8.22	20.300		
1,900.0	1,900.0	1,880.8	1,871.7	4.2	4.7	91.28	-4.0	179.7	181.8	173.1	8.75	20.772		
2,000.0	2,000.0	1,979.6	1,969.4	4.4	5.0	91.78	-6.0	194.5	196.9	187.6	9.29	21.185		
2,100.0	2,100.0	2,078.2	2,066.9	4.6	5.4	-144.48	-8.0	209.3	213.3	204.2	9.11	23.412		
2,200.0	2,199.8	2,176.3	2,163.8	4.8	5.7	-144.64	-10.0	224.0	232.6	223.1	9.51	24.453		
2,300.0	2,299.5	2,273.9	2,260.3	5.0	6.1	-145.24	-12.0	238.7	254.3	244.4	9.92	25.638		
2,400.0	2,399.1	2,371.4	2,356.6	5.2	6.4	-145.91	-14.0	253.3	276.5	266.2	10.35	26.723		
2,500.0	2,498.7	2,468.8	2,452.9	5.4	6.7	-146.49	-16.0	267.9	298.7	288.0	10.78	27.710		
2,600.0	2,598.3	2,566.3	2,549.3	5.6	7.1	-146.98	-17.9	282.5	321.0	309.8	11.22	28.608		
2,700.0	2,697.9	2,663.7	2,645.6	5.8	7.4	-147.42	-19.9	297.1	343.2	331.6	11.66	29.430		
2,800.0	2,797.5	2,761.2	2,742.0	6.0	7.8	-147.80	-21.9	311.7	365.5	353.4	12.11	30.182		
2,900.0	2,897.2	2,858.7	2,838.3	6.3	8.1	-148.13	-23.9	326.4	387.8	375.2	12.56	30.872		
3,000.0	2,996.8	2,956.1	2,934.6	6.5	8.5	-148.43	-25.8	341.0	410.1	397.1	13.02	31.508		
3,100.0	3,096.4	3,053.6	3,031.0	6.8	8.8	-148.70	-27.8	355.6	432.4	418.9	13.47	32.094		
3,200.0	3,196.0	3,151.1	3,127.3	7.0	9.2	-148.94	-29.8	370.2	454.7	440.8	13.93	32.637		
3,300.0	3,295.6	3,248.5	3,223.6	7.2	9.5	-149.16	-31.8	384.8	477.0	462.6	14.39	33.139		
3,400.0	3,395.2	3,346.0	3,320.0	7.5	9.9	-149.36	-33.7	399.5	499.4	484.5	14.86	33.606		
3,500.0	3,494.8	3,443.4	3,416.3	7.7	10.2	-149.54	-35.7	414.1	521.7	506.4	15.33	34.041		
3,600.0	3,594.4	3,540.9	3,512.7	8.0	10.6	-149.71	-37.7	428.7	544.0	528.2	15.79	34.446		
3,700.0	3,694.1	3,638.4	3,609.0	8.2	10.9	-149.86	-39.7	443.3	566.4	550.1	16.26	34.825		
3,800.0	3,793.7	3,735.8	3,705.3	8.5	11.3	-150.00	-41.7	457.9	588.7	572.0	16.74	35.180		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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

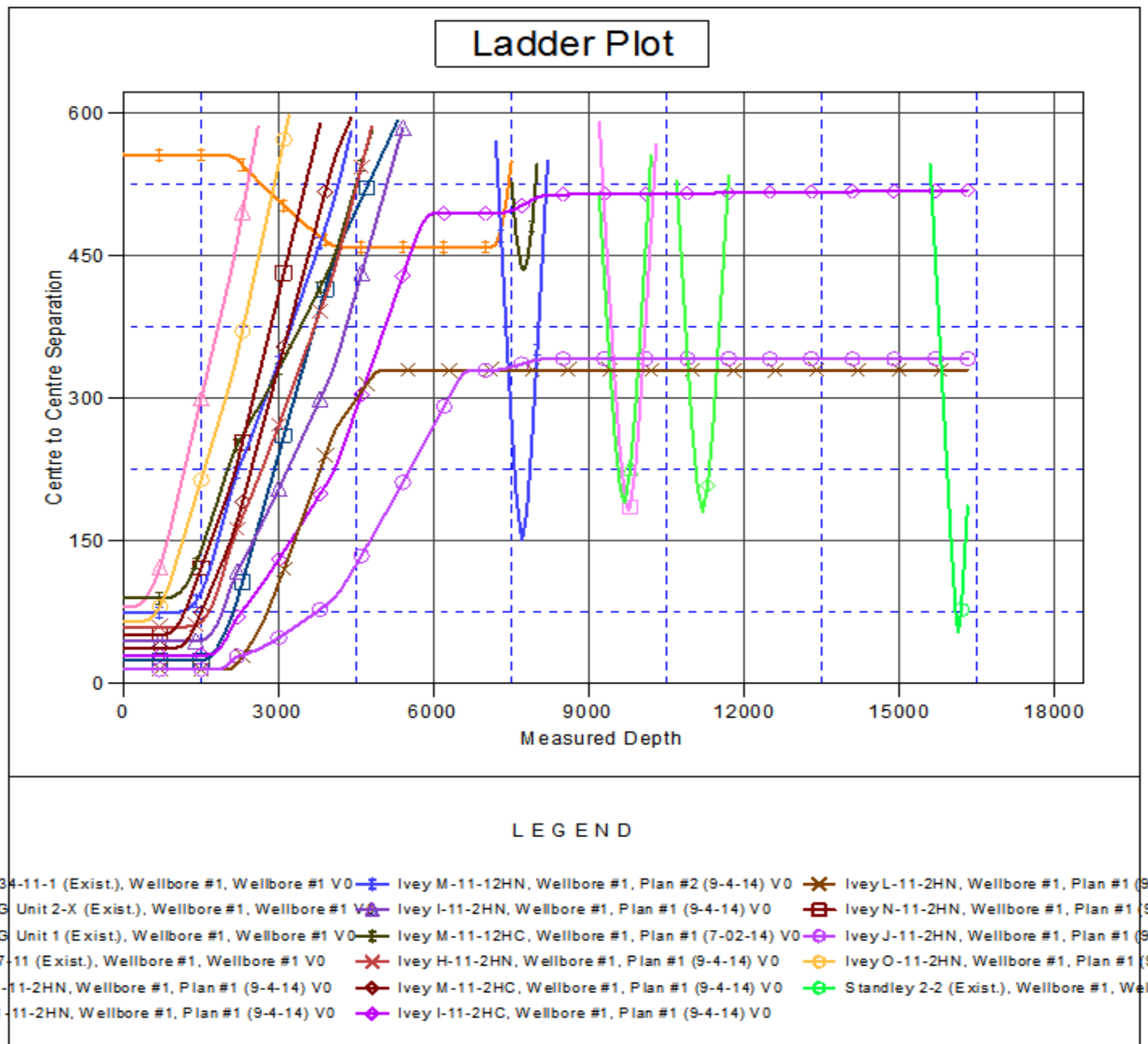
Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	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)			
0.0	0.0	0.0	0.0	0.0	0.0	78.29	13.5	65.0	66.4					
100.0	100.0	99.0	99.0	0.1	0.1	78.29	13.5	65.0	66.4	66.2	0.22	296.921		
200.0	200.0	199.0	199.0	0.3	0.3	78.29	13.5	65.0	66.4	65.7	0.67	98.809		
300.0	300.0	299.0	299.0	0.6	0.6	78.29	13.5	65.0	66.4	65.3	1.12	59.206		
400.0	400.0	399.0	399.0	0.8	0.8	78.29	13.5	65.0	66.4	64.8	1.57	42.266	CC, ES	
500.0	500.0	496.8	496.8	1.0	1.0	78.69	13.3	66.6	68.0	66.0	2.00	33.948		
600.0	600.0	594.4	594.2	1.2	1.2	79.83	12.8	71.6	72.9	70.4	2.44	29.929		
700.0	700.0	691.5	691.0	1.5	1.4	81.41	12.0	79.8	81.1	78.2	2.89	28.081		
800.0	800.0	788.0	786.8	1.7	1.7	83.15	10.9	91.1	92.6	89.2	3.36	27.518	SF	
900.0	900.0	883.5	881.3	1.9	2.0	84.84	9.5	105.5	107.4	103.6	3.87	27.738		
1,000.0	1,000.0	980.5	976.7	2.1	2.3	86.34	7.9	122.8	125.0	120.6	4.42	28.301		
1,100.0	1,100.0	1,078.9	1,073.4	2.4	2.7	87.50	6.1	140.5	142.9	137.9	4.98	28.692		
1,200.0	1,200.0	1,177.2	1,170.1	2.6	3.0	88.40	4.4	158.2	160.8	155.3	5.55	28.967		
1,300.0	1,300.0	1,275.6	1,266.9	2.8	3.4	89.12	2.7	175.9	178.8	172.7	6.13	29.170		
1,400.0	1,400.0	1,373.9	1,363.6	3.0	3.8	89.71	1.0	193.5	196.8	190.1	6.71	29.324		
1,500.0	1,500.0	1,472.3	1,460.3	3.3	4.2	90.21	-0.8	211.2	214.8	207.5	7.29	29.444		
1,600.0	1,600.0	1,570.6	1,557.1	3.5	4.6	90.62	-2.5	228.9	232.8	224.9	7.88	29.541		
1,700.0	1,700.0	1,669.0	1,653.8	3.7	5.0	90.98	-4.2	246.6	250.8	242.3	8.47	29.620		
1,800.0	1,800.0	1,767.3	1,750.5	3.9	5.4	91.28	-5.9	264.3	268.8	259.8	9.06	29.686		
1,900.0	1,900.0	1,865.7	1,847.3	4.2	5.8	91.55	-7.7	282.0	286.8	277.2	9.64	29.741		
2,000.0	2,000.0	1,964.0	1,944.0	4.4	6.2	91.79	-9.4	299.7	304.9	294.7	10.23	29.789		
2,100.0	2,100.0	2,062.1	2,040.5	4.6	6.6	-144.55	-11.1	317.4	324.3	315.0	9.32	34.810		
2,200.0	2,199.8	2,159.6	2,136.3	4.8	7.0	-144.60	-12.8	334.9	346.6	336.8	9.72	35.650		
2,300.0	2,299.5	2,256.5	2,231.6	5.0	7.4	-145.01	-14.5	352.4	371.3	361.1	10.14	36.624		
2,400.0	2,399.1	2,353.2	2,326.7	5.2	7.8	-145.54	-16.2	369.8	396.4	385.8	10.57	37.484		
2,500.0	2,498.7	2,449.9	2,421.9	5.4	8.2	-146.01	-17.9	387.2	421.5	410.5	11.02	38.257		
2,600.0	2,598.3	2,546.7	2,517.0	5.6	8.6	-146.42	-19.6	404.6	446.7	435.2	11.47	38.956		
2,700.0	2,697.9	2,643.4	2,612.1	5.8	9.0	-146.79	-21.3	422.0	471.9	459.9	11.92	39.589		
2,800.0	2,797.5	2,740.1	2,707.3	6.0	9.4	-147.13	-23.0	439.4	497.1	484.7	12.38	40.165		
2,900.0	2,897.2	2,836.9	2,802.4	6.3	9.7	-147.43	-24.7	456.8	522.3	509.4	12.84	40.690		
3,000.0	2,996.8	2,933.6	2,897.6	6.5	10.1	-147.70	-26.4	474.2	547.5	534.2	13.30	41.170		
3,100.0	3,096.4	3,030.3	2,992.7	6.8	10.5	-147.95	-28.1	491.6	572.8	559.0	13.76	41.610		
3,200.0	3,196.0	3,127.1	3,087.8	7.0	10.9	-148.18	-29.8	509.0	598.0	583.8	14.23	42.015		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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 P-11-2HN - Wellbore #1 - Plan #1 (9-4-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	80.45	13.5	80.2	81.3				
100.0	100.0	99.0	99.0	0.1	0.1	80.45	13.5	80.2	81.3	81.1	0.22	363.439	
200.0	200.0	199.0	199.0	0.3	0.3	80.45	13.5	80.2	81.3	80.6	0.67	120.945 CC, ES	
300.0	300.0	296.3	296.3	0.6	0.5	80.72	13.4	81.8	82.9	81.8	1.11	75.012	
400.0	400.0	393.4	393.2	0.8	0.8	81.48	13.0	86.7	87.8	86.3	1.55	56.826	
500.0	500.0	490.0	489.5	1.0	1.0	82.57	12.4	94.8	96.1	94.0	2.01	47.806	
600.0	600.0	586.0	584.8	1.2	1.3	83.81	11.5	106.0	107.6	105.1	2.50	43.015	
700.0	700.0	681.1	678.8	1.5	1.6	85.06	10.4	120.3	122.5	119.4	3.03	40.465	
800.0	800.0	775.1	771.2	1.7	1.9	86.22	9.1	137.5	140.6	137.0	3.59	39.201	
900.0	900.0	867.9	861.9	1.9	2.3	87.25	7.6	157.4	161.9	157.8	4.18	38.761	
1,000.0	1,000.0	965.2	956.6	2.1	2.8	88.13	5.9	179.8	184.9	180.1	4.82	38.377	
1,100.0	1,100.0	1,062.5	1,051.2	2.4	3.2	88.82	4.1	202.2	207.8	202.4	5.46	38.052	
1,200.0	1,200.0	1,159.8	1,145.9	2.6	3.7	89.38	2.4	224.6	230.8	224.7	6.11	37.769	
1,300.0	1,300.0	1,257.1	1,240.6	2.8	4.2	89.83	0.7	247.0	253.8	247.1	6.76	37.526	
1,400.0	1,400.0	1,354.4	1,335.2	3.0	4.7	90.21	-1.0	269.4	276.9	269.4	7.42	37.316	
1,500.0	1,500.0	1,451.7	1,429.9	3.3	5.1	90.53	-2.7	291.8	299.9	291.8	8.08	37.134	
1,600.0	1,600.0	1,549.0	1,524.6	3.5	5.6	90.80	-4.4	314.2	322.9	314.2	8.73	36.976	
1,700.0	1,700.0	1,646.3	1,619.3	3.7	6.1	91.04	-6.1	336.6	346.0	336.6	9.39	36.838	
1,800.0	1,800.0	1,743.6	1,713.9	3.9	6.6	91.25	-7.8	359.0	369.0	359.0	10.05	36.715	
1,900.0	1,900.0	1,840.9	1,808.6	4.2	7.1	91.43	-9.5	381.4	392.1	381.4	10.71	36.607	
2,000.0	2,000.0	1,938.2	1,903.3	4.4	7.6	91.60	-11.3	403.8	415.1	403.8	11.37	36.511 SF	
2,100.0	2,100.0	2,035.2	1,997.6	4.6	8.0	-144.70	-13.0	426.1	439.6	430.0	9.55	46.030	
2,200.0	2,199.8	2,131.4	2,091.2	4.8	8.5	-144.62	-14.7	448.3	466.8	456.8	9.96	46.880	
2,300.0	2,299.5	2,226.8	2,184.1	5.0	9.0	-144.87	-16.3	470.2	496.4	486.0	10.38	47.831	
2,400.0	2,399.1	2,322.1	2,276.8	5.2	9.5	-145.28	-18.0	492.2	526.5	515.6	10.83	48.624	
2,500.0	2,498.7	2,417.5	2,369.6	5.4	10.0	-145.65	-19.7	514.1	556.5	545.2	11.28	49.331	
2,600.0	2,598.3	2,512.8	2,462.3	5.6	10.4	-145.99	-21.4	536.0	586.6	574.9	11.74	49.964	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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 @ 5129.5ft (Original Well Elev) Coordinates are relative to: Ivey K-11-2HN
 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°



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey K-11-2HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey K-11-2HN	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 @ 5129.5ft (Original Well Elev) Coordinates are relative to: Ivey K-11-2HN
 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°

