Bayswater Exploration & Production, LLC

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

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

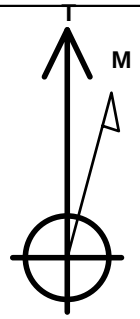
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 5106.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1234282.93	3149865.03	39.975250	-104.965252	
		RKB - 22.5'	WELL @ 5128.5ft (RKB - 22.5')			

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1175'FSL, 1634'FEL, SEC.11	1.0	0.0	0.0	Point
BHL 465'FNL, 520'FEL, SEC.2	7829.0	8671.1	1141.1	Point
LANDING PT. 1785'FSL, 520'FEL, SEC.11	7845.0	607.7	1113.7	Point



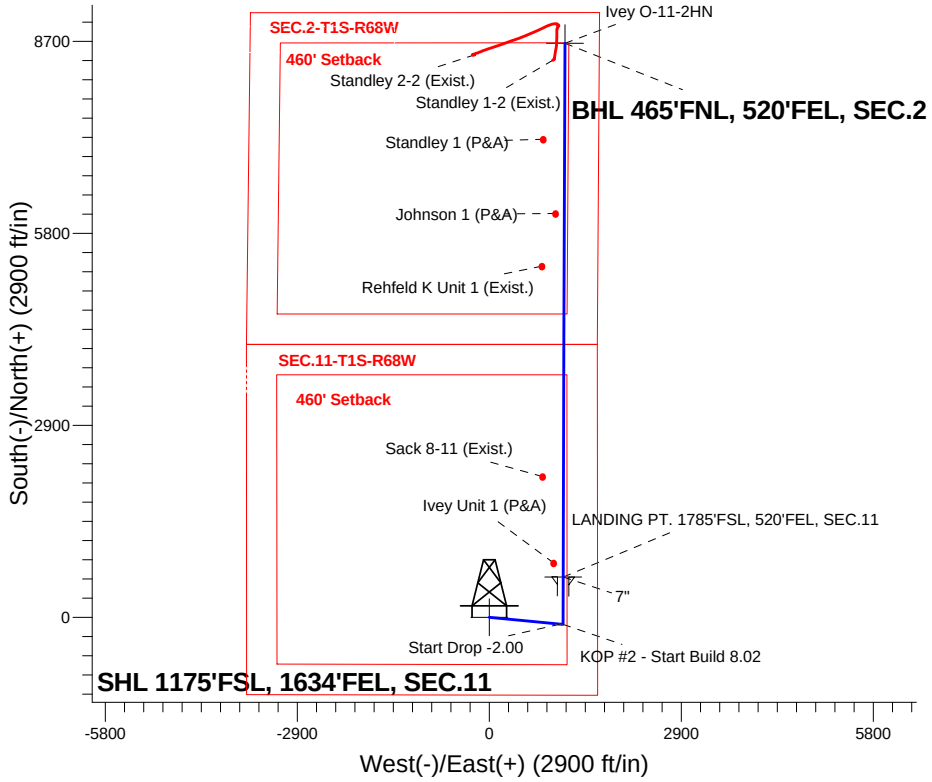
Azimuths to True North
Magnetic North: 8.52°

Magnetic Field
Strength: 52561.0snT
Dip Angle: 66.57°
Date: 7/10/2014
Model: IGRF2010

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

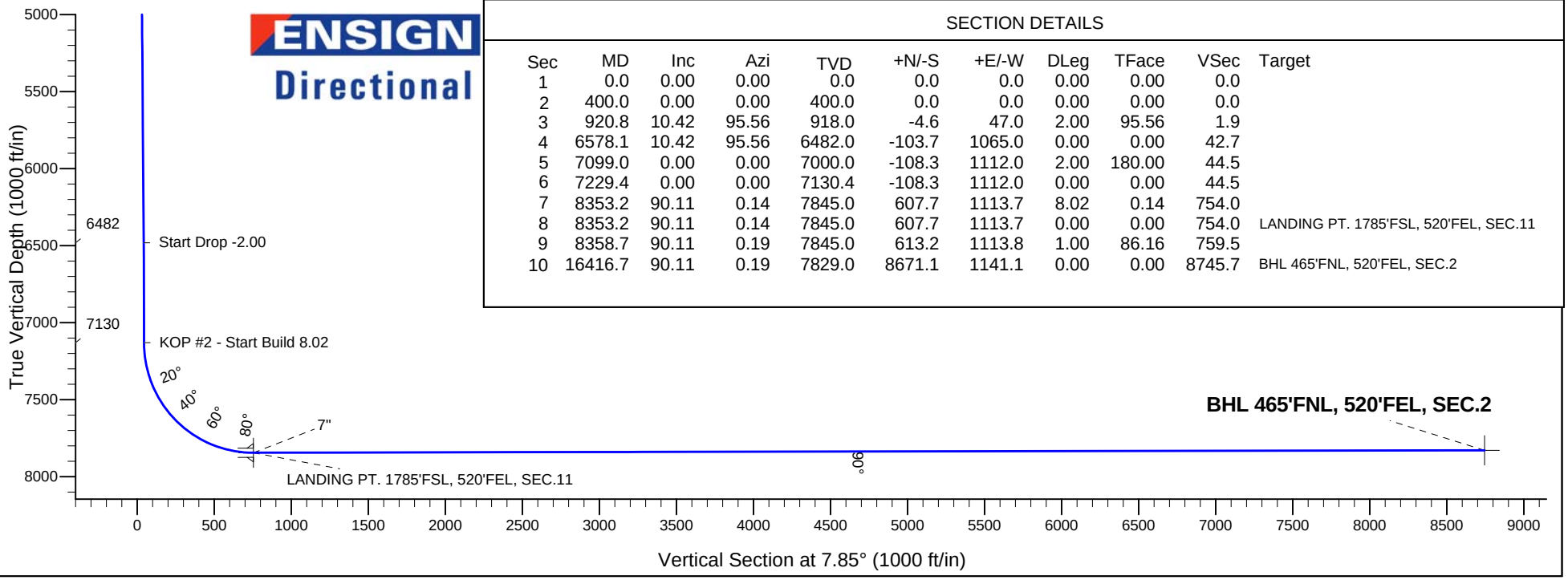
ANNOTATIONS

TVD	MD	Annotation
400.0	400.0	KOP - Start Build 2.00
6482.0	6578.1	Start Drop -2.00
7130.4	7229.4	KOP #2 - Start Build 8.02
7829.0	16416.7	TD at 16416.7



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	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	
3	920.8	10.42	95.56	918.0	-4.6	47.0	2.00	95.56	1.9	
4	6578.1	10.42	95.56	6482.0	-103.7	1065.0	0.00	0.00	42.7	
5	7099.0	0.00	0.00	7000.0	-108.3	1112.0	2.00	180.00	44.5	
6	7229.4	0.00	0.00	7130.4	-108.3	1112.0	0.00	0.00	44.5	
7	8353.2	90.11	0.14	7845.0	607.7	1113.7	8.02	0.14	754.0	
8	8353.2	90.11	0.14	7845.0	607.7	1113.7	0.00	0.00	754.0	LANDING PT. 1785'FSL, 520'FEL, SEC.11
9	8358.7	90.11	0.19	7845.0	613.2	1113.8	1.00	86.16	759.5	
10	16416.7	90.11	0.19	7829.0	8671.1	1141.1	0.00	0.00	8745.7	BHL 465'FNL, 520'FEL, SEC.2



ENSIGN Directional

Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W
Ivey Pad Sec.11-T1S-R68W
Ivey O-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 O-11-2HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey O-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 O-11-2HN

Well Position	**+N/-S**	-0.7 ft	**Northing:**	1,234,282.93 ft	**Latitude:**	39.975250
	+E/-W	60.0 ft	**Easting:**	3,149,865.03 ft	**Longitude:**	-104.965252
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,106.0 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	7.85

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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
920.8	10.42	95.56	918.0	-4.6	47.0	2.00	2.00	0.00	95.56	
6,578.1	10.42	95.56	6,482.0	-103.7	1,065.0	0.00	0.00	0.00	0.00	
7,099.0	0.00	0.00	7,000.0	-108.3	1,112.0	2.00	-2.00	0.00	180.00	
7,229.4	0.00	0.00	7,130.4	-108.3	1,112.0	0.00	0.00	0.00	0.00	
8,353.2	90.11	0.14	7,845.0	607.7	1,113.7	8.02	8.02	0.00	0.14	
8,353.2	90.11	0.14	7,845.0	607.7	1,113.7	0.00	0.00	0.00	0.00	LANDING PT. 1785
8,358.7	90.11	0.19	7,845.0	613.2	1,113.8	1.00	0.07	1.00	86.16	
16,416.7	90.11	0.19	7,829.0	8,671.1	1,141.1	0.00	0.00	0.00	0.00	BHL 465'FNL, 520'F

Database:	landmark	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey O-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
KOP - Start Build 2.00									
500.0	2.00	95.56	500.0	-0.2	1.7	0.1	2.00	2.00	0.00
600.0	4.00	95.56	599.8	-0.7	6.9	0.3	2.00	2.00	0.00
700.0	6.00	95.56	699.5	-1.5	15.6	0.6	2.00	2.00	0.00
800.0	8.00	95.56	798.7	-2.7	27.7	1.1	2.00	2.00	0.00
900.0	10.00	95.56	897.5	-4.2	43.3	1.7	2.00	2.00	0.00
920.8	10.42	95.56	918.0	-4.6	47.0	1.9	2.00	2.00	0.00
1,000.0	10.42	95.56	995.8	-6.0	61.2	2.5	0.00	0.00	0.00
1,100.0	10.42	95.56	1,094.2	-7.7	79.2	3.2	0.00	0.00	0.00
1,200.0	10.42	95.56	1,192.5	-9.5	97.2	3.9	0.00	0.00	0.00
1,300.0	10.42	95.56	1,290.9	-11.2	115.2	4.6	0.00	0.00	0.00
1,400.0	10.42	95.56	1,389.2	-13.0	133.2	5.3	0.00	0.00	0.00
1,500.0	10.42	95.56	1,487.6	-14.7	151.2	6.1	0.00	0.00	0.00
1,600.0	10.42	95.56	1,585.9	-16.5	169.2	6.8	0.00	0.00	0.00
1,700.0	10.42	95.56	1,684.3	-18.2	187.2	7.5	0.00	0.00	0.00
1,800.0	10.42	95.56	1,782.6	-20.0	205.2	8.2	0.00	0.00	0.00
1,900.0	10.42	95.56	1,881.0	-21.7	223.2	8.9	0.00	0.00	0.00
2,000.0	10.42	95.56	1,979.4	-23.5	241.2	9.7	0.00	0.00	0.00
2,100.0	10.42	95.56	2,077.7	-25.2	259.2	10.4	0.00	0.00	0.00
2,200.0	10.42	95.56	2,176.1	-27.0	277.2	11.1	0.00	0.00	0.00
2,300.0	10.42	95.56	2,274.4	-28.7	295.2	11.8	0.00	0.00	0.00
2,400.0	10.42	95.56	2,372.8	-30.5	313.2	12.5	0.00	0.00	0.00
2,500.0	10.42	95.56	2,471.1	-32.3	331.2	13.3	0.00	0.00	0.00
2,600.0	10.42	95.56	2,569.5	-34.0	349.2	14.0	0.00	0.00	0.00
2,700.0	10.42	95.56	2,667.8	-35.8	367.1	14.7	0.00	0.00	0.00
2,800.0	10.42	95.56	2,766.2	-37.5	385.1	15.4	0.00	0.00	0.00
2,900.0	10.42	95.56	2,864.5	-39.3	403.1	16.1	0.00	0.00	0.00
3,000.0	10.42	95.56	2,962.9	-41.0	421.1	16.9	0.00	0.00	0.00
3,100.0	10.42	95.56	3,061.2	-42.8	439.1	17.6	0.00	0.00	0.00
3,200.0	10.42	95.56	3,159.6	-44.5	457.1	18.3	0.00	0.00	0.00
3,300.0	10.42	95.56	3,257.9	-46.3	475.1	19.0	0.00	0.00	0.00
3,400.0	10.42	95.56	3,356.3	-48.0	493.1	19.7	0.00	0.00	0.00
3,500.0	10.42	95.56	3,454.6	-49.8	511.1	20.5	0.00	0.00	0.00
3,600.0	10.42	95.56	3,553.0	-51.5	529.1	21.2	0.00	0.00	0.00
3,700.0	10.42	95.56	3,651.3	-53.3	547.1	21.9	0.00	0.00	0.00
3,800.0	10.42	95.56	3,749.7	-55.0	565.1	22.6	0.00	0.00	0.00
3,900.0	10.42	95.56	3,848.0	-56.8	583.1	23.4	0.00	0.00	0.00
4,000.0	10.42	95.56	3,946.4	-58.5	601.1	24.1	0.00	0.00	0.00
4,100.0	10.42	95.56	4,044.7	-60.3	619.1	24.8	0.00	0.00	0.00
4,200.0	10.42	95.56	4,143.1	-62.0	637.1	25.5	0.00	0.00	0.00
4,300.0	10.42	95.56	4,241.4	-63.8	655.1	26.2	0.00	0.00	0.00
4,400.0	10.42	95.56	4,339.8	-65.6	673.1	27.0	0.00	0.00	0.00
4,500.0	10.42	95.56	4,438.2	-67.3	691.1	27.7	0.00	0.00	0.00
4,600.0	10.42	95.56	4,536.5	-69.1	709.0	28.4	0.00	0.00	0.00
4,700.0	10.42	95.56	4,634.9	-70.8	727.0	29.1	0.00	0.00	0.00
4,800.0	10.42	95.56	4,733.2	-72.6	745.0	29.8	0.00	0.00	0.00
4,900.0	10.42	95.56	4,831.6	-74.3	763.0	30.6	0.00	0.00	0.00
5,000.0	10.42	95.56	4,929.9	-76.1	781.0	31.3	0.00	0.00	0.00
5,100.0	10.42	95.56	5,028.3	-77.8	799.0	32.0	0.00	0.00	0.00

Database:	landmark	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
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Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey O-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)
5,200.0	10.42	95.56	5,126.6	-79.6	817.0	32.7	0.00	0.00	0.00
5,300.0	10.42	95.56	5,225.0	-81.3	835.0	33.4	0.00	0.00	0.00
5,400.0	10.42	95.56	5,323.3	-83.1	853.0	34.2	0.00	0.00	0.00
5,500.0	10.42	95.56	5,421.7	-84.8	871.0	34.9	0.00	0.00	0.00
5,600.0	10.42	95.56	5,520.0	-86.6	889.0	35.6	0.00	0.00	0.00
5,700.0	10.42	95.56	5,618.4	-88.3	907.0	36.3	0.00	0.00	0.00
5,800.0	10.42	95.56	5,716.7	-90.1	925.0	37.0	0.00	0.00	0.00
5,900.0	10.42	95.56	5,815.1	-91.8	943.0	37.8	0.00	0.00	0.00
6,000.0	10.42	95.56	5,913.4	-93.6	961.0	38.5	0.00	0.00	0.00
6,100.0	10.42	95.56	6,011.8	-95.3	979.0	39.2	0.00	0.00	0.00
6,200.0	10.42	95.56	6,110.1	-97.1	997.0	39.9	0.00	0.00	0.00
6,300.0	10.42	95.56	6,208.5	-98.8	1,015.0	40.6	0.00	0.00	0.00
6,400.0	10.42	95.56	6,306.8	-100.6	1,033.0	41.4	0.00	0.00	0.00
6,500.0	10.42	95.56	6,405.2	-102.4	1,050.9	42.1	0.00	0.00	0.00
6,578.1	10.42	95.56	6,482.0	-103.7	1,065.0	42.7	0.00	0.00	0.00
Start Drop -2.00									
6,600.0	9.98	95.56	6,503.6	-104.1	1,068.9	42.8	2.00	-2.00	0.00
6,700.0	7.98	95.56	6,602.3	-105.6	1,084.4	43.4	2.00	-2.00	0.00
6,800.0	5.98	95.56	6,701.6	-106.8	1,096.5	43.9	2.00	-2.00	0.00
6,900.0	3.98	95.56	6,801.2	-107.6	1,105.1	44.3	2.00	-2.00	0.00
7,000.0	1.98	95.56	6,901.1	-108.1	1,110.3	44.5	2.00	-2.00	0.00
7,099.0	0.00	0.00	7,000.0	-108.3	1,112.0	44.5	2.00	-2.00	0.00
7,100.0	0.00	0.00	7,001.0	-108.3	1,112.0	44.5	0.00	0.00	0.00
7,200.0	0.00	0.00	7,101.0	-108.3	1,112.0	44.5	0.00	0.00	0.00
7,229.4	0.00	0.00	7,130.4	-108.3	1,112.0	44.5	0.00	0.00	0.00
KOP #2 - Start Build 8.02									
7,300.0	5.66	0.14	7,200.9	-104.8	1,112.0	48.0	8.02	8.02	0.00
7,400.0	13.68	0.14	7,299.4	-88.0	1,112.0	64.6	8.02	8.02	0.00
7,500.0	21.70	0.14	7,394.6	-57.7	1,112.1	94.7	8.02	8.02	0.00
7,600.0	29.72	0.14	7,484.6	-14.3	1,112.2	137.7	8.02	8.02	0.00
7,700.0	37.73	0.14	7,567.7	41.2	1,112.4	192.6	8.02	8.02	0.00
7,800.0	45.75	0.14	7,642.3	107.7	1,112.5	258.6	8.02	8.02	0.00
7,900.0	53.77	0.14	7,706.8	184.0	1,112.7	334.2	8.02	8.02	0.00
8,000.0	61.79	0.14	7,760.1	268.5	1,112.9	417.9	8.02	8.02	0.00
8,100.0	69.81	0.14	7,801.1	359.6	1,113.1	508.2	8.02	8.02	0.00
8,200.0	77.82	0.14	7,828.9	455.6	1,113.4	603.3	8.02	8.02	0.00
8,300.0	85.84	0.14	7,843.1	554.5	1,113.6	701.3	8.02	8.02	0.00
8,353.2	90.11	0.14	7,845.0	607.6	1,113.7	754.0	8.02	8.02	0.00
7"									
8,358.7	90.11	0.19	7,845.0	613.2	1,113.8	759.5	1.00	0.09	0.99
8,400.0	90.11	0.19	7,844.9	654.4	1,113.9	800.4	0.00	0.00	0.00
8,500.0	90.11	0.19	7,844.7	754.4	1,114.2	899.5	0.00	0.00	0.00
8,600.0	90.11	0.19	7,844.5	854.4	1,114.6	998.6	0.00	0.00	0.00
8,700.0	90.11	0.19	7,844.3	954.4	1,114.9	1,097.7	0.00	0.00	0.00
8,800.0	90.11	0.19	7,844.1	1,054.4	1,115.3	1,196.8	0.00	0.00	0.00
8,900.0	90.11	0.19	7,843.9	1,154.4	1,115.6	1,295.9	0.00	0.00	0.00
9,000.0	90.11	0.19	7,843.7	1,254.4	1,115.9	1,395.0	0.00	0.00	0.00
9,100.0	90.11	0.19	7,843.5	1,354.4	1,116.3	1,494.2	0.00	0.00	0.00
9,200.0	90.11	0.19	7,843.3	1,454.4	1,116.6	1,593.3	0.00	0.00	0.00
9,300.0	90.11	0.19	7,843.1	1,554.4	1,117.0	1,692.4	0.00	0.00	0.00
9,400.0	90.11	0.19	7,842.9	1,654.4	1,117.3	1,791.5	0.00	0.00	0.00
9,500.0	90.11	0.19	7,842.7	1,754.4	1,117.6	1,890.6	0.00	0.00	0.00
9,600.0	90.11	0.19	7,842.5	1,854.4	1,118.0	1,989.7	0.00	0.00	0.00

Database:	landmark	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey O-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	7,842.3	1,954.4	1,118.3	2,088.8	0.00	0.00	0.00
9,800.0	90.11	0.19	7,842.1	2,054.4	1,118.7	2,187.9	0.00	0.00	0.00
9,900.0	90.11	0.19	7,841.9	2,154.4	1,119.0	2,287.0	0.00	0.00	0.00
10,000.0	90.11	0.19	7,841.7	2,254.4	1,119.3	2,386.1	0.00	0.00	0.00
10,100.0	90.11	0.19	7,841.5	2,354.4	1,119.7	2,485.2	0.00	0.00	0.00
10,200.0	90.11	0.19	7,841.3	2,454.4	1,120.0	2,584.4	0.00	0.00	0.00
10,300.0	90.11	0.19	7,841.1	2,554.4	1,120.4	2,683.5	0.00	0.00	0.00
10,400.0	90.11	0.19	7,840.9	2,654.4	1,120.7	2,782.6	0.00	0.00	0.00
10,500.0	90.11	0.19	7,840.7	2,754.4	1,121.0	2,881.7	0.00	0.00	0.00
10,600.0	90.11	0.19	7,840.5	2,854.4	1,121.4	2,980.8	0.00	0.00	0.00
10,700.0	90.11	0.19	7,840.3	2,954.4	1,121.7	3,079.9	0.00	0.00	0.00
10,800.0	90.11	0.19	7,840.1	3,054.4	1,122.0	3,179.0	0.00	0.00	0.00
10,900.0	90.11	0.19	7,839.9	3,154.4	1,122.4	3,278.1	0.00	0.00	0.00
11,000.0	90.11	0.19	7,839.7	3,254.4	1,122.7	3,377.2	0.00	0.00	0.00
11,100.0	90.11	0.19	7,839.5	3,354.4	1,123.1	3,476.3	0.00	0.00	0.00
11,200.0	90.11	0.19	7,839.4	3,454.4	1,123.4	3,575.4	0.00	0.00	0.00
11,300.0	90.11	0.19	7,839.2	3,554.4	1,123.7	3,674.6	0.00	0.00	0.00
11,400.0	90.11	0.19	7,839.0	3,654.4	1,124.1	3,773.7	0.00	0.00	0.00
11,500.0	90.11	0.19	7,838.8	3,754.4	1,124.4	3,872.8	0.00	0.00	0.00
11,600.0	90.11	0.19	7,838.6	3,854.4	1,124.8	3,971.9	0.00	0.00	0.00
11,700.0	90.11	0.19	7,838.4	3,954.4	1,125.1	4,071.0	0.00	0.00	0.00
11,800.0	90.11	0.19	7,838.2	4,054.4	1,125.4	4,170.1	0.00	0.00	0.00
11,900.0	90.11	0.19	7,838.0	4,154.4	1,125.8	4,269.2	0.00	0.00	0.00
12,000.0	90.11	0.19	7,837.8	4,254.4	1,126.1	4,368.3	0.00	0.00	0.00
12,100.0	90.11	0.19	7,837.6	4,354.4	1,126.5	4,467.4	0.00	0.00	0.00
12,200.0	90.11	0.19	7,837.4	4,454.4	1,126.8	4,566.5	0.00	0.00	0.00
12,300.0	90.11	0.19	7,837.2	4,554.4	1,127.1	4,665.7	0.00	0.00	0.00
12,400.0	90.11	0.19	7,837.0	4,654.4	1,127.5	4,764.8	0.00	0.00	0.00
12,500.0	90.11	0.19	7,836.8	4,754.4	1,127.8	4,863.9	0.00	0.00	0.00
12,600.0	90.11	0.19	7,836.6	4,854.4	1,128.2	4,963.0	0.00	0.00	0.00
12,700.0	90.11	0.19	7,836.4	4,954.4	1,128.5	5,062.1	0.00	0.00	0.00
12,800.0	90.11	0.19	7,836.2	5,054.4	1,128.8	5,161.2	0.00	0.00	0.00
12,900.0	90.11	0.19	7,836.0	5,154.4	1,129.2	5,260.3	0.00	0.00	0.00
13,000.0	90.11	0.19	7,835.8	5,254.4	1,129.5	5,359.4	0.00	0.00	0.00
13,100.0	90.11	0.19	7,835.6	5,354.4	1,129.9	5,458.5	0.00	0.00	0.00
13,200.0	90.11	0.19	7,835.4	5,454.4	1,130.2	5,557.6	0.00	0.00	0.00
13,300.0	90.11	0.19	7,835.2	5,554.4	1,130.5	5,656.7	0.00	0.00	0.00
13,400.0	90.11	0.19	7,835.0	5,654.4	1,130.9	5,755.9	0.00	0.00	0.00
13,500.0	90.11	0.19	7,834.8	5,754.4	1,131.2	5,855.0	0.00	0.00	0.00
13,600.0	90.11	0.19	7,834.6	5,854.4	1,131.6	5,954.1	0.00	0.00	0.00
13,700.0	90.11	0.19	7,834.4	5,954.4	1,131.9	6,053.2	0.00	0.00	0.00
13,800.0	90.11	0.19	7,834.2	6,054.4	1,132.2	6,152.3	0.00	0.00	0.00
13,900.0	90.11	0.19	7,834.0	6,154.4	1,132.6	6,251.4	0.00	0.00	0.00
14,000.0	90.11	0.19	7,833.8	6,254.4	1,132.9	6,350.5	0.00	0.00	0.00
14,100.0	90.11	0.19	7,833.6	6,354.4	1,133.3	6,449.6	0.00	0.00	0.00
14,200.0	90.11	0.19	7,833.4	6,454.4	1,133.6	6,548.7	0.00	0.00	0.00
14,300.0	90.11	0.19	7,833.2	6,554.4	1,133.9	6,647.8	0.00	0.00	0.00
14,400.0	90.11	0.19	7,833.0	6,654.4	1,134.3	6,746.9	0.00	0.00	0.00
14,500.0	90.11	0.19	7,832.8	6,754.4	1,134.6	6,846.1	0.00	0.00	0.00
14,600.0	90.11	0.19	7,832.6	6,854.4	1,135.0	6,945.2	0.00	0.00	0.00
14,700.0	90.11	0.19	7,832.4	6,954.4	1,135.3	7,044.3	0.00	0.00	0.00
14,800.0	90.11	0.19	7,832.2	7,054.4	1,135.6	7,143.4	0.00	0.00	0.00
14,900.0	90.11	0.19	7,832.0	7,154.4	1,136.0	7,242.5	0.00	0.00	0.00
15,000.0	90.11	0.19	7,831.8	7,254.4	1,136.3	7,341.6	0.00	0.00	0.00

Database:	landmark	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey O-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	7,831.6	7,354.4	1,136.6	7,440.7	0.00	0.00	0.00
15,200.0	90.11	0.19	7,831.4	7,454.4	1,137.0	7,539.8	0.00	0.00	0.00
15,300.0	90.11	0.19	7,831.2	7,554.4	1,137.3	7,638.9	0.00	0.00	0.00
15,400.0	90.11	0.19	7,831.0	7,654.4	1,137.7	7,738.0	0.00	0.00	0.00
15,500.0	90.11	0.19	7,830.8	7,754.4	1,138.0	7,837.1	0.00	0.00	0.00
15,600.0	90.11	0.19	7,830.6	7,854.4	1,138.3	7,936.3	0.00	0.00	0.00
15,700.0	90.11	0.19	7,830.4	7,954.4	1,138.7	8,035.4	0.00	0.00	0.00
15,800.0	90.11	0.19	7,830.2	8,054.4	1,139.0	8,134.5	0.00	0.00	0.00
15,900.0	90.11	0.19	7,830.0	8,154.4	1,139.4	8,233.6	0.00	0.00	0.00
16,000.0	90.11	0.19	7,829.8	8,254.4	1,139.7	8,332.7	0.00	0.00	0.00
16,100.0	90.11	0.19	7,829.6	8,354.4	1,140.0	8,431.8	0.00	0.00	0.00
16,200.0	90.11	0.19	7,829.4	8,454.4	1,140.4	8,530.9	0.00	0.00	0.00
16,300.0	90.11	0.19	7,829.2	8,554.4	1,140.7	8,630.0	0.00	0.00	0.00
16,400.0	90.11	0.19	7,829.0	8,654.4	1,141.1	8,729.1	0.00	0.00	0.00
16,416.7	90.11	0.19	7,829.0	8,671.1	1,141.1	8,745.7	0.00	0.00	0.00
TD at 16416.7									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
LANDING PT. 1785'F: - plan hits target - Point	0.00	0.00	7,845.0	607.7	1,113.7	1,234,897.28	3,150,975.06	39.976918	-104.961278
BHL 465'FNL, 520'FE - plan hits target - Point	0.00	0.00	7,829.0	8,671.1	1,141.1	1,242,960.49	3,150,953.81	39.999053	-104.961179
SHL 1176'FSL, 1679'I - plan misses by 44.8ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E) - Point	0.00	0.00	0.0	0.4	-44.8	1,234,283.03	3,149,820.19	39.975251	-104.965412
SHL 1175'FSL, 1634' - plan hits target - Point	0.00	0.00	1.0	0.0	0.0	1,234,282.94	3,149,865.03	39.975250	-104.965252

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
8,353.2	7,845.0	7"	7	7-1/2

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
400.0	400.0	0.0	0.0	KOP - Start Build 2.00
6,578.1	6,482.0	-103.7	1,065.0	Start Drop -2.00
7,229.4	7,130.4	-108.3	1,112.0	KOP #2 - Start Build 8.02
16,416.7	7,829.0	8,671.1	1,141.1	TD at 16416.7

ENSIGN Directional

Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W
Ivey Pad Sec.11-T1S-R68W
Ivey O-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 O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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** 9/8/2014

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	16,416.4	Plan #1 (9-4-14) (Wellbore #1)	MWD	MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Existing Pad Sec.11-T1S-R68W						
Ivey Unit 1 (P&A) - Wellbore #1 - Wellbore #1	8,565.5	7,808.1	143.4	-37.4	0.793	Level 1, CC, ES, SF
Johnson 1 (P&A) - Wellbore #1 - Wellbore #1						Out of range
Rehfeld K Unit 1 (Exist.) - Wellbore #1 - Wellbore #1	13,048.1	7,838.2	336.1	75.9	1.292	Level 3, CC, ES, SF
Sack 8-11 (Exist.) - Wellbore #1 - Wellbore #1	9,870.5	7,819.5	314.9	113.5	1.563	CC, ES, SF
Standley 1 (P&A) - Wellbore #1 - Wellbore #1						Out of range
Standley 1-2 (Exist.) - Wellbore #1 - Wellbore #1	16,159.1	7,855.3	184.4	-169.7	0.521	Level 1, CC, ES, SF
Standley 2-2 (Exist.) - Wellbore #1 - Wellbore #1						Out of range
Ivey Pad Sec.11-T1S-R68W						
Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	400.0	401.0	60.0	58.4	38.068	CC, ES
Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	700.0	700.5	75.6	72.7	26.181	SF
Ivey M-11-12HN - Wellbore #1 - Plan #2 (9-4-14)	400.0	402.0	123.8	122.2	78.466	CC
Ivey M-11-12HN - Wellbore #1 - Plan #2 (9-4-14)	7,796.8	9,946.4	150.3	84.5	2.284	ES, SF
Ivey M-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	400.0	400.0	30.0	28.4	19.061	CC, ES
Ivey M-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	16,416.7	16,499.4	519.1	196.3	1.608	SF
Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	400.0	401.0	44.8	43.3	28.461	CC, ES
Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	5,700.0	5,700.0	477.2	449.9	17.498	SF
Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	400.0	400.0	14.9	13.3	9.441	CC, ES
Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	16,416.7	16,284.2	342.4	19.8	1.061	Level 2, SF
Ivey P-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	200.0	200.0	15.1	14.5	22.445	CC, ES
Ivey P-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	16,416.7	16,387.5	342.1	15.5	1.047	Level 2, SF

Offset Design Existing Pad Sec.11-T1S-R68W - Ivey Unit 1 (P&A) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 8153-UNKNOWN **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,000.0	7,760.1	7,723.6	7,723.6	27.3	154.5	-28.77	820.4	971.1	569.8	455.8	114.06	4.996	
8,100.0	7,801.1	7,764.6	7,764.6	27.5	155.3	-42.02	820.4	971.1	482.2	355.0	127.15	3.792	
8,200.0	7,828.9	7,792.4	7,792.4	27.9	155.8	-61.77	820.4	971.1	391.6	235.2	156.41	2.503	
8,300.0	7,843.1	7,806.6	7,806.6	28.3	156.1	-82.34	820.4	971.1	301.7	125.7	175.94	1.715	
8,400.0	7,844.9	7,808.4	7,808.4	28.9	156.2	-90.13	820.4	971.1	218.9	40.0	178.89	1.224	Level 2
8,500.0	7,844.7	7,808.2	7,808.2	29.7	156.2	-90.05	820.4	971.1	157.6	-22.4	180.01	0.876	Level 1
8,565.5	7,844.6	7,808.1	7,808.1	30.2	156.2	-90.00	820.4	971.1	143.4	-37.4	180.81	0.793	Level 1, CC, ES, SF

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 - Ivey Unit 1 (P&A) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 8153-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,600.0	7,844.5	7,808.0	7,808.0	30.5	156.2	-89.97	820.4	971.1	147.5	-33.7	181.23	0.814	Level 1
8,700.0	7,844.3	7,807.8	7,807.8	31.5	156.2	-89.89	820.4	971.1	196.6	14.1	182.53	1.077	Level 2
8,800.0	7,844.1	7,807.6	7,807.6	32.6	156.2	-89.81	820.4	971.1	274.9	91.0	183.90	1.495	Level 3
8,900.0	7,843.9	7,807.4	7,807.4	33.7	156.1	-89.73	820.4	971.1	364.0	178.6	185.32	1.964	
9,000.0	7,843.7	7,807.2	7,807.2	35.0	156.1	-89.66	820.4	971.1	457.6	270.8	186.80	2.450	
9,100.0	7,843.5	7,807.0	7,807.0	36.3	156.1	-89.58	820.4	971.1	553.4	365.1	188.33	2.939	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 - Rehfeld K Unit 1 (Exist.) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 8840-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
12,600.0	7,836.6	7,839.1	7,839.1	96.5	156.8	-90.15	5,303.6	793.5	560.2	308.3	251.83	2.224	
12,700.0	7,836.4	7,838.9	7,838.9	98.3	156.8	-90.12	5,303.6	793.5	483.9	230.2	253.71	1.907	
12,800.0	7,836.2	7,838.7	7,838.7	100.2	156.8	-90.08	5,303.6	793.5	417.8	162.2	255.58	1.635	
12,900.0	7,836.0	7,838.5	7,838.5	102.0	156.8	-90.05	5,303.6	793.5	367.3	109.9	257.45	1.427	Level 3
13,000.0	7,835.8	7,838.3	7,838.3	103.9	156.8	-90.02	5,303.6	793.5	339.6	80.2	259.33	1.309	Level 3
13,048.1	7,835.7	7,838.2	7,838.2	104.8	156.8	-90.00	5,303.6	793.5	336.1	75.9	260.23	1.292	Level 3, CC, ES, SF
13,100.0	7,835.6	7,838.1	7,838.1	105.7	156.8	-89.98	5,303.6	793.5	340.1	78.9	261.20	1.302	Level 3
13,200.0	7,835.4	7,837.9	7,837.9	107.6	156.8	-89.95	5,303.6	793.5	368.9	105.8	263.08	1.402	Level 3
13,300.0	7,835.2	7,837.7	7,837.7	109.5	156.8	-89.91	5,303.6	793.5	420.1	155.1	264.96	1.585	
13,400.0	7,835.0	7,837.5	7,837.5	111.3	156.7	-89.88	5,303.6	793.5	486.6	219.8	266.84	1.824	
13,500.0	7,834.8	7,837.3	7,837.3	113.2	156.7	-89.85	5,303.6	793.5	563.2	294.5	268.72	2.096	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 8-11 (Exist.) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 8150-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,400.0	7,842.9	7,820.4	7,820.4	40.6	156.4	-90.17	2,126.0	804.0	566.1	372.7	193.46	2.926	
9,500.0	7,842.7	7,820.2	7,820.2	42.1	156.4	-90.13	2,126.0	804.0	486.2	291.1	195.12	2.492	
9,600.0	7,842.5	7,820.0	7,820.0	43.6	156.4	-90.10	2,126.0	804.0	415.1	218.3	196.79	2.109	
9,700.0	7,842.3	7,819.8	7,819.8	45.2	156.4	-90.06	2,126.0	804.0	358.1	159.6	198.49	1.804	
9,800.0	7,842.1	7,819.6	7,819.6	46.8	156.4	-90.03	2,126.0	804.0	322.7	122.5	200.21	1.612	
9,870.5	7,842.0	7,819.5	7,819.5	48.0	156.4	-90.00	2,126.0	804.0	314.9	113.5	201.43	1.563	CC, ES, SF
9,900.0	7,841.9	7,819.4	7,819.4	48.4	156.4	-89.99	2,126.0	804.0	316.3	114.3	201.94	1.566	
10,000.0	7,841.7	7,819.2	7,819.2	50.1	156.4	-89.95	2,126.0	804.0	340.5	136.8	203.68	1.672	
10,100.0	7,841.5	7,819.0	7,819.0	51.7	156.4	-89.92	2,126.0	804.0	389.7	184.2	205.44	1.897	
10,200.0	7,841.3	7,818.8	7,818.8	53.4	156.4	-89.88	2,126.0	804.0	455.8	248.6	207.20	2.200	
10,300.0	7,841.1	7,818.6	7,818.6	55.1	156.4	-89.84	2,126.0	804.0	532.6	323.6	208.98	2.548	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 1-2 (Exist.) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 1196-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,600.0	7,830.6	7,864.3	7,815.3	152.7	192.1	-92.27	8,414.0	955.8	588.7	245.8	342.88	1.717	
15,700.0	7,830.4	7,862.7	7,813.8	154.5	192.1	-91.79	8,414.0	955.8	494.7	149.8	344.94	1.434	Level 3
15,800.0	7,830.2	7,861.1	7,812.2	156.4	192.1	-91.30	8,414.1	955.9	403.6	56.7	346.97	1.163	Level 2
15,900.0	7,830.0	7,859.5	7,810.6	158.3	192.1	-90.80	8,414.1	955.9	318.0	-31.0	348.99	0.911	Level 1
16,000.0	7,829.8	7,857.9	7,809.0	160.2	192.1	-90.30	8,414.1	955.9	243.5	-107.5	350.98	0.694	Level 1
16,100.0	7,829.6	7,856.2	7,807.3	162.1	192.1	-89.79	8,414.1	955.9	193.6	-159.3	352.95	0.549	Level 1
16,159.1	7,829.5	7,855.3	7,806.3	163.2	192.1	-89.48	8,414.1	955.9	184.4	-169.7	354.10	0.521	Level 1, CC, ES, SF
16,200.0	7,829.4	7,854.6	7,805.7	164.0	192.1	-89.27	8,414.1	955.9	188.8	-166.1	354.89	0.532	Level 1
16,300.0	7,829.2	7,852.9	7,804.0	165.9	192.1	-88.75	8,414.2	955.9	232.0	-124.8	356.80	0.650	Level 1
16,400.0	7,829.0	7,851.2	7,802.3	167.8	192.0	-88.22	8,414.2	955.9	303.3	-55.4	358.69	0.846	Level 1
16,416.7	7,829.0	7,850.9	7,802.0	168.1	192.0	-88.14	8,414.2	955.9	316.8	-42.2	358.95	0.882	Level 1

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-89.30	0.7	-60.0	60.0	60.0	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-89.30	0.7	-60.0	60.0	59.8	0.23	264.218	
200.0	200.0	201.0	201.0	0.3	0.3	-89.30	0.7	-60.0	60.0	59.3	0.68	88.658	
300.0	300.0	301.0	301.0	0.6	0.6	-89.30	0.7	-60.0	60.0	58.9	1.13	53.265	
400.0	400.0	401.0	401.0	0.8	0.8	-89.30	0.7	-60.0	60.0	58.4	1.58	38.068	CC, ES
500.0	500.0	501.0	501.0	1.0	1.0	175.27	0.7	-60.0	61.7	59.7	2.01	30.642	
600.0	599.8	600.8	600.8	1.2	1.2	175.63	0.7	-60.0	66.9	64.5	2.45	27.338	
700.0	699.5	700.5	700.5	1.4	1.5	176.12	0.7	-60.0	75.6	72.7	2.89	26.181	SF
800.0	798.7	799.7	799.7	1.7	1.7	176.64	0.7	-60.0	87.8	84.5	3.33	26.347	
900.0	897.5	898.5	898.5	2.0	1.9	177.14	0.7	-60.0	103.4	99.6	3.78	27.374	
1,000.0	995.8	996.8	996.8	2.4	2.1	177.56	0.7	-60.0	121.4	117.2	4.23	28.719	
1,100.0	1,094.2	1,095.2	1,095.2	2.7	2.3	177.87	0.7	-60.0	139.5	134.8	4.68	29.785	
1,200.0	1,192.5	1,193.5	1,193.5	3.1	2.6	178.12	0.7	-60.0	157.5	152.4	5.14	30.639	
1,300.0	1,290.9	1,291.9	1,291.9	3.5	2.8	178.31	0.7	-60.0	175.6	170.0	5.60	31.336	
1,400.0	1,389.2	1,390.2	1,390.2	3.9	3.0	178.47	0.7	-60.0	193.7	187.6	6.07	31.915	
1,500.0	1,487.6	1,488.6	1,488.6	4.3	3.2	178.60	0.7	-60.0	211.8	205.2	6.53	32.403	
1,600.0	1,585.9	1,586.9	1,586.9	4.7	3.5	178.71	0.7	-60.0	229.8	222.8	7.00	32.819	
1,700.0	1,684.3	1,685.3	1,685.3	5.1	3.7	178.80	0.7	-60.0	247.9	240.4	7.47	33.178	
1,800.0	1,782.6	1,783.6	1,783.6	5.5	3.9	178.89	0.7	-60.0	266.0	258.0	7.94	33.491	
1,900.0	1,881.0	1,882.0	1,882.0	5.9	4.1	178.96	0.7	-60.0	284.1	275.6	8.41	33.766	
2,000.0	1,979.4	1,980.4	1,980.4	6.3	4.3	179.02	0.7	-60.0	302.1	293.3	8.88	34.009	
2,100.0	2,077.7	2,078.7	2,078.7	6.7	4.6	179.07	0.7	-60.0	320.2	310.9	9.36	34.225	
2,200.0	2,176.1	2,177.1	2,177.1	7.1	4.8	179.12	0.7	-60.0	338.3	328.5	9.83	34.419	
2,300.0	2,274.4	2,275.4	2,275.4	7.5	5.0	179.17	0.7	-60.0	356.4	346.1	10.30	34.594	
2,400.0	2,372.8	2,373.8	2,373.8	8.0	5.2	179.21	0.7	-60.0	374.4	363.7	10.77	34.752	
2,500.0	2,471.1	2,472.1	2,472.1	8.4	5.4	179.24	0.7	-60.0	392.5	381.3	11.25	34.896	
2,600.0	2,569.5	2,580.9	2,580.9	8.8	5.7	179.21	0.1	-59.0	409.7	398.0	11.73	34.938	
2,700.0	2,667.8	2,694.8	2,694.7	9.2	5.9	178.92	-2.6	-54.3	423.5	411.3	12.19	34.740	
2,800.0	2,766.2	2,804.3	2,803.7	9.6	6.1	178.43	-7.4	-46.3	434.0	421.3	12.65	34.305	
2,900.0	2,864.5	2,903.7	2,902.7	10.0	6.3	177.95	-12.1	-38.2	443.7	430.6	13.10	33.868	
3,000.0	2,962.9	3,003.2	3,001.8	10.4	6.5	177.49	-16.9	-30.1	453.5	439.9	13.56	33.449	
3,100.0	3,061.2	3,102.7	3,100.8	10.8	6.7	177.05	-21.7	-22.1	463.3	449.3	14.02	33.050	
3,200.0	3,159.6	3,202.1	3,199.8	11.2	6.9	176.63	-26.4	-14.0	473.1	458.6	14.48	32.667	
3,300.0	3,257.9	3,301.6	3,298.8	11.7	7.2	176.23	-31.2	-6.0	483.0	468.0	14.95	32.301	
3,400.0	3,356.3	3,401.0	3,397.8	12.1	7.4	175.84	-36.0	2.1	492.8	477.4	15.42	31.951	
3,500.0	3,454.6	3,500.5	3,496.8	12.5	7.6	175.46	-40.7	10.2	502.7	486.8	15.90	31.615	
3,600.0	3,553.0	3,599.9	3,595.9	12.9	7.9	175.11	-45.5	18.2	512.6	496.2	16.38	31.294	
3,700.0	3,651.3	3,699.4	3,694.9	13.3	8.1	174.76	-50.3	26.3	522.6	505.7	16.86	30.986	
3,800.0	3,749.7	3,798.9	3,793.9	13.7	8.3	174.43	-55.0	34.3	532.5	515.2	17.35	30.692	
3,900.0	3,848.0	3,898.3	3,892.9	14.1	8.6	174.11	-59.8	42.4	542.5	524.6	17.84	30.409	
4,000.0	3,946.4	3,997.8	3,991.9	14.5	8.8	173.80	-64.6	50.5	552.4	534.1	18.33	30.138	
4,100.0	4,044.7	4,097.2	4,090.9	15.0	9.1	173.50	-69.3	58.5	562.4	543.6	18.83	29.877	
4,200.0	4,143.1	4,196.7	4,190.0	15.4	9.3	173.22	-74.1	66.6	572.5	553.1	19.32	29.627	
4,300.0	4,241.4	4,296.1	4,289.0	15.8	9.6	172.94	-78.9	74.6	582.5	562.7	19.82	29.387	
4,400.0	4,339.8	4,395.6	4,388.0	16.2	9.8	172.67	-83.6	82.7	592.5	572.2	20.32	29.156	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	0.0	0.0	-132.82	-84.2	-90.8	123.8	123.8	0.00	N/A	
100.0	100.0	102.0	102.0	0.1	0.1	-132.82	-84.2	-90.8	123.8	123.6	0.23	540.029	
200.0	200.0	202.0	202.0	0.3	0.3	-132.82	-84.2	-90.8	123.8	123.1	0.68	182.394	
300.0	300.0	302.0	302.0	0.6	0.6	-132.82	-84.2	-90.8	123.8	122.7	1.13	109.727	
400.0	400.0	402.0	402.0	0.8	0.8	-132.82	-84.2	-90.8	123.8	122.2	1.58	78.466	CC
500.0	500.0	502.0	502.0	1.0	1.0	132.19	-84.2	-90.8	125.0	123.0	2.02	62.010	
600.0	599.8	601.8	601.8	1.2	1.2	133.87	-84.2	-90.8	128.5	126.1	2.45	52.438	
700.0	699.5	701.5	701.5	1.4	1.5	136.45	-84.2	-90.8	134.7	131.8	2.90	46.426	
800.0	798.7	800.7	800.7	1.7	1.7	139.67	-84.2	-90.8	143.8	140.5	3.37	42.716	
900.0	897.5	899.5	899.5	2.0	1.9	143.22	-84.2	-90.8	156.1	152.3	3.84	40.614	
1,000.0	995.8	997.8	997.8	2.4	2.1	146.79	-84.2	-90.8	171.0	166.6	4.33	39.509	
1,100.0	1,094.2	1,091.0	1,090.9	2.7	2.3	149.89	-84.0	-92.2	187.8	183.0	4.79	39.195	
1,200.0	1,192.5	1,182.7	1,182.6	3.1	2.5	152.82	-83.7	-96.6	207.9	202.7	5.24	39.647	
1,300.0	1,290.9	1,273.0	1,272.6	3.5	2.7	155.52	-83.1	-103.8	231.4	225.7	5.69	40.648	
1,400.0	1,389.2	1,361.7	1,360.7	3.9	2.9	157.94	-82.4	-113.5	258.1	252.0	6.14	42.065	
1,500.0	1,487.6	1,448.7	1,446.8	4.3	3.2	160.07	-81.4	-125.8	288.1	281.5	6.58	43.797	
1,600.0	1,585.9	1,533.8	1,530.7	4.7	3.4	161.93	-80.3	-140.2	321.1	314.1	7.02	45.765	
1,700.0	1,684.3	1,617.1	1,612.3	5.1	3.7	163.55	-79.0	-156.8	357.1	349.6	7.45	47.906	
1,800.0	1,782.6	1,704.5	1,697.5	5.5	4.0	165.03	-77.4	-176.3	395.5	387.6	7.90	50.064	
1,900.0	1,881.0	1,796.2	1,786.9	5.9	4.3	166.33	-75.8	-196.9	434.4	426.0	8.34	52.050	
2,000.0	1,979.4	1,887.9	1,876.2	6.3	4.7	167.42	-74.2	-217.6	473.4	464.6	8.79	53.830	
2,100.0	2,077.7	1,979.7	1,965.6	6.7	5.1	168.34	-72.5	-238.2	512.5	503.3	9.25	55.410	
2,200.0	2,176.1	2,071.4	2,054.9	7.1	5.5	169.13	-70.9	-258.9	551.8	542.1	9.71	56.849	
2,300.0	2,274.4	2,163.1	2,144.3	7.5	5.9	169.82	-69.3	-279.6	591.1	580.9	10.17	58.144	
7,300.0	7,200.9	9,948.1	7,749.3	26.5	61.5	2.24	0.0	1,114.2	556.3	468.8	87.53	6.356	
7,400.0	7,299.4	9,947.7	7,749.3	26.6	61.5	175.45	0.0	1,113.9	456.5	370.9	85.56	5.335	
7,500.0	7,394.6	9,947.4	7,749.3	26.7	61.5	179.06	0.0	1,113.5	357.4	274.7	82.69	4.322	
7,600.0	7,484.6	9,947.0	7,749.3	26.8	61.4	179.55	0.1	1,113.2	263.0	184.9	78.17	3.365	
7,700.0	7,567.7	9,946.7	7,749.3	26.9	61.4	179.76	0.1	1,112.8	184.2	111.8	72.40	2.544	
7,796.8	7,640.1	9,946.4	7,749.3	27.0	61.4	179.89	0.1	1,112.5	150.3	84.5	65.80	2.284	ES, SF
7,800.0	7,642.3	9,946.4	7,749.3	27.0	61.4	179.90	0.1	1,112.5	150.4	84.8	65.57	2.293	
7,900.0	7,706.8	9,946.1	7,749.3	27.1	61.4	-179.99	0.1	1,112.2	188.3	130.3	57.98	3.248	
8,000.0	7,760.1	9,945.9	7,749.3	27.3	61.4	-179.87	0.1	1,112.0	268.7	218.7	50.00	5.374	
8,100.0	7,801.1	9,945.6	7,749.3	27.5	61.4	-179.62	0.1	1,111.8	363.6	321.3	42.24	8.607	
8,200.0	7,828.9	9,945.5	7,749.3	27.9	61.4	-177.66	0.1	1,111.6	462.8	427.2	35.58	13.007	
8,300.0	7,843.1	9,945.3	7,749.3	28.3	61.4	-0.83	0.1	1,111.5	562.7	531.0	31.68	17.758	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-89.30	0.4	-30.0	30.0				
100.0	100.0	100.0	100.0	0.1	0.1	-89.30	0.4	-30.0	30.0	29.8	0.22	133.430	
200.0	200.0	200.0	200.0	0.3	0.3	-89.30	0.4	-30.0	30.0	29.3	0.67	44.477	
300.0	300.0	300.0	300.0	0.6	0.6	-89.30	0.4	-30.0	30.0	28.9	1.12	26.686	
400.0	400.0	400.0	400.0	0.8	0.8	-89.30	0.4	-30.0	30.0	28.4	1.57	19.061	CC, ES
500.0	500.0	500.0	500.0	1.0	1.0	175.40	0.4	-30.0	31.7	29.7	2.01	15.770	
600.0	599.8	599.8	599.8	1.2	1.2	176.04	0.4	-30.0	36.9	34.5	2.45	15.104	
700.0	699.5	699.5	699.5	1.4	1.5	176.79	0.4	-30.0	45.6	42.8	2.89	15.814	
800.0	798.7	798.7	798.7	1.7	1.7	177.45	0.4	-30.0	57.8	54.5	3.33	17.364	
900.0	897.5	897.5	897.5	2.0	1.9	177.98	0.4	-30.0	73.4	69.7	3.78	19.456	
1,000.0	995.8	995.8	995.8	2.4	2.1	178.38	0.4	-30.0	91.4	87.2	4.22	21.647	
1,100.0	1,094.2	1,097.9	1,097.9	2.7	2.3	178.57	0.1	-28.3	107.9	103.3	4.67	23.127	
1,200.0	1,192.5	1,201.1	1,201.0	3.1	2.5	178.56	-0.8	-23.0	120.9	115.8	5.10	23.696	
1,300.0	1,290.9	1,305.2	1,304.7	3.5	2.8	178.39	-2.3	-14.0	130.2	124.7	5.55	23.465	
1,400.0	1,389.2	1,408.5	1,407.1	3.9	3.0	178.09	-4.4	-1.5	136.1	130.1	6.01	22.653	
1,500.0	1,487.6	1,508.4	1,506.1	4.3	3.3	177.79	-6.6	11.5	141.1	134.6	6.47	21.798	
1,600.0	1,585.9	1,608.2	1,605.1	4.7	3.6	177.52	-8.7	24.6	146.1	139.2	6.95	21.039	
1,700.0	1,684.3	1,708.1	1,704.1	5.1	3.8	177.25	-10.9	37.6	151.1	143.7	7.42	20.364	
1,800.0	1,782.6	1,808.0	1,803.1	5.5	4.1	177.01	-13.1	50.6	156.1	148.2	7.90	19.760	
1,900.0	1,881.0	1,907.8	1,902.1	5.9	4.4	176.78	-15.3	63.6	161.1	152.8	8.38	19.218	
2,000.0	1,979.4	2,007.7	2,001.1	6.3	4.7	176.57	-17.4	76.6	166.1	157.3	8.87	18.728	
2,100.0	2,077.7	2,107.6	2,100.1	6.7	5.0	176.36	-19.6	89.6	171.2	161.8	9.36	18.284	
2,200.0	2,176.1	2,207.5	2,199.1	7.1	5.3	176.17	-21.8	102.6	176.2	166.3	9.85	17.881	
2,300.0	2,274.4	2,307.3	2,298.1	7.5	5.7	175.99	-24.0	115.6	181.2	170.8	10.35	17.512	
2,400.0	2,372.8	2,407.2	2,397.1	8.0	6.0	175.82	-26.1	128.6	186.2	175.4	10.84	17.175	
2,500.0	2,471.1	2,507.1	2,496.1	8.4	6.3	175.66	-28.3	141.6	191.2	179.9	11.34	16.864	
2,600.0	2,569.5	2,607.0	2,595.1	8.8	6.6	175.51	-30.5	154.6	196.2	184.4	11.84	16.578	
2,700.0	2,667.8	2,706.8	2,694.1	9.2	6.9	175.36	-32.7	167.6	201.3	188.9	12.34	16.314	
2,800.0	2,766.2	2,806.7	2,793.1	9.6	7.3	175.22	-34.8	180.6	206.3	193.5	12.84	16.068	
2,900.0	2,864.5	2,906.6	2,892.1	10.0	7.6	175.09	-37.0	193.6	211.3	198.0	13.34	15.840	
3,000.0	2,962.9	3,006.4	2,991.1	10.4	7.9	174.97	-39.2	206.6	216.3	202.5	13.84	15.628	
3,100.0	3,061.2	3,106.3	3,090.1	10.8	8.2	174.85	-41.3	219.7	221.4	207.0	14.35	15.429	
3,200.0	3,159.6	3,206.2	3,189.1	11.2	8.6	174.73	-43.5	232.7	226.4	211.5	14.85	15.243	
3,300.0	3,257.9	3,306.1	3,288.1	11.7	8.9	174.62	-45.7	245.7	231.4	216.1	15.36	15.069	
3,400.0	3,356.3	3,405.9	3,387.1	12.1	9.2	174.52	-47.9	258.7	236.5	220.6	15.86	14.906	
3,500.0	3,454.6	3,505.8	3,486.1	12.5	9.5	174.42	-50.0	271.7	241.5	225.1	16.37	14.751	
3,600.0	3,553.0	3,605.7	3,585.1	12.9	9.9	174.32	-52.2	284.7	246.5	229.6	16.88	14.606	
3,700.0	3,651.3	3,705.6	3,684.1	13.3	10.2	174.23	-54.4	297.7	251.5	234.2	17.39	14.469	
3,800.0	3,749.7	3,805.4	3,783.1	13.7	10.5	174.14	-56.6	310.7	256.6	238.7	17.89	14.339	
3,900.0	3,848.0	3,905.3	3,882.1	14.1	10.9	174.05	-58.7	323.7	261.6	243.2	18.40	14.216	
4,000.0	3,946.4	4,005.2	3,981.1	14.5	11.2	173.97	-60.9	336.7	266.6	247.7	18.91	14.100	
4,100.0	4,044.7	4,105.0	4,080.1	15.0	11.5	173.89	-63.1	349.7	271.7	252.3	19.42	13.989	
4,200.0	4,143.1	4,204.9	4,179.1	15.4	11.9	173.81	-65.2	362.7	276.7	256.8	19.93	13.883	
4,300.0	4,241.4	4,304.8	4,278.1	15.8	12.2	173.74	-67.4	375.7	281.8	261.3	20.44	13.783	
4,400.0	4,339.8	4,404.7	4,377.1	16.2	12.5	173.67	-69.6	388.7	286.8	265.8	20.95	13.688	
4,500.0	4,438.2	4,504.5	4,476.1	16.6	12.9	173.60	-71.8	401.7	291.8	270.4	21.46	13.596	
4,600.0	4,536.5	4,604.4	4,575.1	17.0	13.2	173.53	-73.9	414.7	296.9	274.9	21.97	13.509	
4,700.0	4,634.9	4,704.3	4,674.1	17.4	13.5	173.47	-76.1	427.8	301.9	279.4	22.49	13.426	
4,800.0	4,733.2	4,804.1	4,773.1	17.8	13.9	173.41	-78.3	440.8	306.9	283.9	23.00	13.346	
4,900.0	4,831.6	4,904.0	4,872.1	18.3	14.2	173.35	-80.5	453.8	312.0	288.5	23.51	13.269	
5,000.0	4,929.9	5,003.9	4,971.1	18.7	14.5	173.29	-82.6	466.8	317.0	293.0	24.02	13.196	
5,100.0	5,028.3	5,103.8	5,070.1	19.1	14.9	173.23	-84.8	479.8	322.0	297.5	24.54	13.126	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,126.6	5,203.6	5,169.1	19.5	15.2	173.18	-87.0	492.8	327.1	302.0	25.05	13.058	
5,300.0	5,225.0	5,303.5	5,268.0	19.9	15.5	173.13	-89.2	505.8	332.1	306.6	25.56	12.993	
5,400.0	5,323.3	5,403.4	5,367.0	20.3	15.9	173.07	-91.3	518.8	337.2	311.1	26.07	12.931	
5,500.0	5,421.7	5,503.3	5,466.0	20.7	16.2	173.02	-93.5	531.8	342.2	315.6	26.59	12.871	
5,600.0	5,520.0	5,603.1	5,565.0	21.1	16.5	172.98	-95.7	544.8	347.2	320.1	27.10	12.813	
5,700.0	5,618.4	5,703.0	5,664.0	21.6	16.9	172.93	-97.8	557.8	352.3	324.7	27.61	12.757	
5,800.0	5,716.7	5,802.9	5,763.0	22.0	17.2	172.88	-100.0	570.8	357.3	329.2	28.13	12.703	
5,900.0	5,815.1	5,902.7	5,862.0	22.4	17.5	172.84	-102.2	583.8	362.4	333.7	28.64	12.651	
6,000.0	5,913.4	6,000.0	5,958.5	22.8	17.8	172.80	-104.3	596.3	367.6	338.5	29.14	12.617	
6,100.0	6,011.8	6,086.6	6,044.6	23.2	18.0	172.84	-105.8	605.2	375.4	345.8	29.56	12.698	
6,200.0	6,110.1	6,174.6	6,132.3	23.6	18.2	172.95	-106.8	611.6	386.2	356.2	29.98	12.881	
6,300.0	6,208.5	6,261.9	6,219.5	24.0	18.4	173.13	-107.4	615.3	399.9	369.5	30.38	13.164	
6,400.0	6,306.8	6,349.2	6,306.8	24.4	18.5	173.36	-107.6	616.4	416.6	385.8	30.78	13.537	
6,500.0	6,405.2	6,447.5	6,405.2	24.9	18.6	173.64	-107.6	616.4	434.6	403.4	31.20	13.930	
6,600.0	6,503.6	6,545.9	6,503.6	25.3	18.8	173.90	-107.6	616.4	452.5	420.8	31.62	14.308	
6,700.0	6,602.3	6,644.7	6,602.3	25.5	18.9	174.13	-107.6	616.4	468.0	436.0	32.01	14.621	
6,800.0	6,701.6	6,743.9	6,701.6	25.8	19.1	174.31	-107.6	616.4	480.1	447.7	32.36	14.836	
6,900.0	6,801.2	6,843.5	6,801.2	26.0	19.3	174.42	-107.6	616.4	488.7	456.0	32.67	14.957	
7,000.0	6,901.1	6,943.4	6,901.1	26.1	19.4	174.49	-107.6	616.4	493.9	460.9	32.95	14.987	
7,100.0	7,001.0	7,043.4	7,001.0	26.3	19.6	-89.92	-107.6	616.4	495.6	462.4	33.22	14.918	
7,200.0	7,101.0	7,143.4	7,101.0	26.4	19.7	-89.92	-107.6	616.4	495.6	462.0	33.59	14.754	
7,238.8	7,139.8	7,182.2	7,139.8	26.4	19.8	-90.15	-107.6	616.4	495.6	461.9	33.73	14.694	
7,300.0	7,200.9	7,243.3	7,200.9	26.5	19.9	-90.46	-107.6	616.4	495.6	461.6	33.98	14.587	
7,400.0	7,299.4	7,342.7	7,300.3	26.6	20.1	-92.28	-106.9	616.4	496.0	461.5	34.48	14.384	
7,500.0	7,394.6	7,445.1	7,402.0	26.7	20.2	-94.47	-95.2	616.5	497.1	462.1	35.00	14.204	
7,600.0	7,484.6	7,550.6	7,503.9	26.8	20.4	-96.59	-68.0	616.5	499.0	463.5	35.45	14.076	
7,700.0	7,567.7	7,659.3	7,603.4	26.9	20.5	-98.60	-24.7	616.7	501.3	465.5	35.83	13.991	
7,800.0	7,642.3	7,771.2	7,697.9	27.0	20.6	-100.45	35.0	616.9	504.0	467.8	36.20	13.922	
7,900.0	7,706.8	7,886.2	7,784.1	27.1	20.8	-102.09	111.0	617.1	506.8	470.1	36.68	13.817	
8,000.0	7,760.1	8,004.2	7,858.7	27.3	21.0	-103.48	202.3	617.4	509.5	472.1	37.40	13.622	
8,100.0	7,801.1	8,124.8	7,918.4	27.5	21.3	-104.57	306.8	617.8	511.8	473.2	38.54	13.278	
8,200.0	7,828.9	8,247.3	7,960.3	27.9	21.9	-105.33	421.8	618.2	513.4	473.2	40.21	12.770	
8,300.0	7,843.1	8,371.1	7,982.1	28.3	22.8	-105.73	543.5	618.6	514.3	471.8	42.43	12.120	
8,400.0	7,844.9	8,483.8	7,985.0	28.9	23.8	-105.80	656.1	619.0	514.4	469.7	44.72	11.502	
8,500.0	7,844.7	8,583.8	7,985.0	29.7	24.8	-105.83	756.1	619.3	514.4	467.5	46.96	10.954	
8,600.0	7,844.5	8,683.8	7,985.0	30.5	25.9	-105.85	856.1	619.6	514.5	465.1	49.39	10.417	
8,700.0	7,844.3	8,783.8	7,985.0	31.5	27.2	-105.87	956.1	620.0	514.5	462.6	51.96	9.902	
8,800.0	7,844.1	8,883.8	7,985.0	32.6	28.5	-105.89	1,056.1	620.3	514.6	459.9	54.67	9.413	
8,900.0	7,843.9	8,983.8	7,985.0	33.7	29.9	-105.91	1,156.1	620.7	514.7	457.2	57.49	8.953	
9,000.0	7,843.7	9,083.8	7,985.0	35.0	31.4	-105.93	1,256.1	621.0	514.7	454.3	60.40	8.522	
9,100.0	7,843.5	9,183.8	7,985.0	36.3	32.9	-105.95	1,356.1	621.3	514.8	451.4	63.39	8.120	
9,200.0	7,843.3	9,283.8	7,985.0	37.7	34.4	-105.97	1,456.1	621.7	514.8	448.4	66.46	7.747	
9,300.0	7,843.1	9,383.8	7,985.0	39.1	36.0	-106.00	1,556.1	622.0	514.9	445.3	69.58	7.400	
9,400.0	7,842.9	9,483.8	7,985.0	40.6	37.6	-106.02	1,656.1	622.3	514.9	442.2	72.76	7.077	
9,500.0	7,842.7	9,583.8	7,985.0	42.1	39.2	-106.04	1,756.1	622.7	515.0	439.0	75.99	6.778	
9,600.0	7,842.5	9,683.8	7,985.0	43.6	40.9	-106.06	1,856.1	623.0	515.1	435.8	79.25	6.499	
9,700.0	7,842.3	9,783.8	7,985.0	45.2	42.6	-106.08	1,956.1	623.4	515.1	432.6	82.55	6.240	
9,800.0	7,842.1	9,883.8	7,985.0	46.8	44.3	-106.10	2,056.1	623.7	515.2	429.3	85.89	5.998	
9,900.0	7,841.9	9,983.8	7,985.0	48.4	46.0	-106.12	2,156.1	624.0	515.2	426.0	89.25	5.773	
10,000.0	7,841.7	10,083.8	7,985.0	50.1	47.7	-106.14	2,256.1	624.4	515.3	422.6	92.63	5.563	
10,100.0	7,841.5	10,183.8	7,985.0	51.7	49.5	-106.16	2,356.1	624.7	515.3	419.3	96.04	5.366	
10,200.0	7,841.3	10,283.8	7,985.0	53.4	51.2	-106.19	2,456.1	625.1	515.4	415.9	99.47	5.181	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,841.1	10,383.8	7,985.0	55.1	53.0	-106.21	2,556.1	625.4	515.4	412.5	102.91	5.009	
10,400.0	7,840.9	10,483.8	7,985.0	56.8	54.8	-106.23	2,656.1	625.7	515.5	409.1	106.38	4.846	
10,500.0	7,840.7	10,583.8	7,985.0	58.6	56.5	-106.25	2,756.1	626.1	515.6	405.7	109.85	4.693	
10,600.0	7,840.5	10,683.8	7,985.0	60.3	58.3	-106.27	2,856.1	626.4	515.6	402.3	113.34	4.549	
10,700.0	7,840.3	10,783.8	7,985.0	62.0	60.1	-106.29	2,956.1	626.7	515.7	398.8	116.84	4.413	
10,800.0	7,840.1	10,883.8	7,985.0	63.8	61.9	-106.31	3,056.1	627.1	515.7	395.4	120.35	4.285	
10,900.0	7,839.9	10,983.8	7,985.0	65.6	63.8	-106.33	3,156.1	627.4	515.8	391.9	123.87	4.164	
11,000.0	7,839.7	11,083.8	7,985.0	67.3	65.6	-106.35	3,256.1	627.8	515.8	388.4	127.40	4.049	
11,100.0	7,839.5	11,183.8	7,985.0	69.1	67.4	-106.38	3,356.1	628.1	515.9	385.0	130.94	3.940	
11,200.0	7,839.4	11,283.8	7,985.0	70.9	69.2	-106.40	3,456.1	628.4	516.0	381.5	134.48	3.837	
11,300.0	7,839.2	11,383.8	7,985.0	72.7	71.1	-106.42	3,556.1	628.8	516.0	378.0	138.04	3.738	
11,400.0	7,839.0	11,483.8	7,985.0	74.5	72.9	-106.44	3,656.1	629.1	516.1	374.5	141.59	3.645	
11,500.0	7,838.8	11,583.8	7,985.0	76.3	74.7	-106.46	3,756.1	629.4	516.1	371.0	145.16	3.556	
11,600.0	7,838.6	11,683.8	7,985.0	78.1	76.6	-106.48	3,856.1	629.8	516.2	367.5	148.73	3.471	
11,700.0	7,838.4	11,783.8	7,985.0	79.9	78.4	-106.50	3,956.1	630.1	516.3	364.0	152.30	3.390	
11,800.0	7,838.2	11,883.8	7,985.0	81.8	80.3	-106.52	4,056.1	630.5	516.3	360.4	155.88	3.312	
11,900.0	7,838.0	11,983.8	7,985.0	83.6	82.1	-106.54	4,156.1	630.8	516.4	356.9	159.46	3.238	
12,000.0	7,837.8	12,083.8	7,985.0	85.4	84.0	-106.57	4,256.1	631.1	516.4	353.4	163.05	3.167	
12,100.0	7,837.6	12,183.8	7,985.0	87.3	85.9	-106.59	4,356.1	631.5	516.5	349.8	166.64	3.099	
12,200.0	7,837.4	12,283.8	7,985.0	89.1	87.7	-106.61	4,456.1	631.8	516.5	346.3	170.23	3.034	
12,300.0	7,837.2	12,383.8	7,985.0	90.9	89.6	-106.63	4,556.1	632.1	516.6	342.8	173.82	2.972	
12,400.0	7,837.0	12,483.8	7,985.0	92.8	91.5	-106.65	4,656.1	632.5	516.7	339.2	177.42	2.912	
12,500.0	7,836.8	12,583.8	7,985.0	94.6	93.3	-106.67	4,756.1	632.8	516.7	335.7	181.02	2.854	
12,600.0	7,836.6	12,683.8	7,985.0	96.5	95.2	-106.69	4,856.1	633.2	516.8	332.2	184.62	2.799	
12,700.0	7,836.4	12,783.8	7,985.0	98.3	97.1	-106.71	4,956.1	633.5	516.8	328.6	188.23	2.746	
12,800.0	7,836.2	12,883.8	7,985.0	100.2	98.9	-106.73	5,056.1	633.8	516.9	325.1	191.84	2.694	
12,900.0	7,836.0	12,983.8	7,985.0	102.0	100.8	-106.75	5,156.1	634.2	517.0	321.5	195.45	2.645	
13,000.0	7,835.8	13,083.8	7,985.0	103.9	102.7	-106.78	5,256.1	634.5	517.0	318.0	199.06	2.597	
13,100.0	7,835.6	13,183.8	7,985.0	105.7	104.6	-106.80	5,356.1	634.9	517.1	314.4	202.67	2.551	
13,200.0	7,835.4	13,283.8	7,985.0	107.6	106.4	-106.82	5,456.1	635.2	517.1	310.8	206.28	2.507	
13,300.0	7,835.2	13,383.8	7,985.0	109.5	108.3	-106.84	5,556.1	635.5	517.2	307.3	209.90	2.464	
13,400.0	7,835.0	13,483.8	7,985.0	111.3	110.2	-106.86	5,656.1	635.9	517.2	303.7	213.51	2.423	
13,500.0	7,834.8	13,583.8	7,985.0	113.2	112.1	-106.88	5,756.1	636.2	517.3	300.2	217.13	2.382	
13,600.0	7,834.6	13,683.8	7,985.0	115.1	114.0	-106.90	5,856.1	636.5	517.4	296.6	220.75	2.344	
13,700.0	7,834.4	13,783.8	7,985.0	116.9	115.9	-106.92	5,956.1	636.9	517.4	293.1	224.37	2.306	
13,800.0	7,834.2	13,883.8	7,985.0	118.8	117.7	-106.94	6,056.1	637.2	517.5	289.5	227.99	2.270	
13,900.0	7,834.0	13,983.8	7,985.0	120.7	119.6	-106.96	6,156.1	637.6	517.5	285.9	231.61	2.235	
14,000.0	7,833.8	14,083.8	7,985.0	122.5	121.5	-106.99	6,256.1	637.9	517.6	282.4	235.23	2.200	
14,100.0	7,833.6	14,183.8	7,985.0	124.4	123.4	-107.01	6,356.1	638.2	517.7	278.8	238.85	2.167	
14,200.0	7,833.4	14,283.8	7,985.0	126.3	125.3	-107.03	6,456.1	638.6	517.7	275.2	242.48	2.135	
14,300.0	7,833.2	14,383.8	7,985.0	128.2	127.2	-107.05	6,556.1	638.9	517.8	271.7	246.10	2.104	
14,400.0	7,833.0	14,483.8	7,985.0	130.1	129.1	-107.07	6,656.1	639.2	517.8	268.1	249.73	2.074	
14,500.0	7,832.8	14,583.8	7,985.0	131.9	131.0	-107.09	6,756.1	639.6	517.9	264.5	253.35	2.044	
14,600.0	7,832.6	14,683.8	7,985.0	133.8	132.9	-107.11	6,856.1	639.9	518.0	261.0	256.97	2.016	
14,700.0	7,832.4	14,783.8	7,985.0	135.7	134.7	-107.13	6,956.1	640.3	518.0	257.4	260.60	1.988	
14,800.0	7,832.2	14,883.8	7,985.0	137.6	136.6	-107.15	7,056.1	640.6	518.1	253.9	264.23	1.961	
14,900.0	7,832.0	14,983.8	7,985.0	139.5	138.5	-107.17	7,156.1	640.9	518.1	250.3	267.85	1.934	
15,000.0	7,831.8	15,083.8	7,985.0	141.3	140.4	-107.19	7,256.1	641.3	518.2	246.7	271.48	1.909	
15,100.0	7,831.6	15,183.8	7,985.0	143.2	142.3	-107.22	7,356.1	641.6	518.3	243.2	275.10	1.884	
15,200.0	7,831.4	15,283.8	7,985.0	145.1	144.2	-107.24	7,456.1	641.9	518.3	239.6	278.73	1.860	
15,300.0	7,831.2	15,383.8	7,985.0	147.0	146.1	-107.26	7,556.1	642.3	518.4	236.0	282.36	1.836	
15,400.0	7,831.0	15,483.8	7,985.0	148.9	148.0	-107.28	7,656.1	642.6	518.4	232.5	285.98	1.813	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,500.0	7,830.8	15,583.8	7,985.0	150.8	149.9	-107.30	7,756.1	643.0	518.5	228.9	289.61	1.790	
15,600.0	7,830.6	15,683.8	7,985.0	152.7	151.8	-107.32	7,856.1	643.3	518.6	225.3	293.24	1.768	
15,700.0	7,830.4	15,783.8	7,985.0	154.5	153.7	-107.34	7,956.1	643.6	518.6	221.8	296.86	1.747	
15,800.0	7,830.2	15,883.8	7,985.0	156.4	155.6	-107.36	8,056.1	644.0	518.7	218.2	300.49	1.726	
15,900.0	7,830.0	15,983.8	7,985.0	158.3	157.5	-107.38	8,156.1	644.3	518.7	214.6	304.11	1.706	
16,000.0	7,829.8	16,083.8	7,985.0	160.2	159.4	-107.40	8,256.1	644.7	518.8	211.1	307.74	1.686	
16,100.0	7,829.6	16,183.8	7,985.0	162.1	161.3	-107.42	8,356.1	645.0	518.9	207.5	311.37	1.666	
16,200.0	7,829.4	16,283.8	7,985.0	164.0	163.2	-107.45	8,456.1	645.3	518.9	203.9	314.99	1.647	
16,300.0	7,829.2	16,383.8	7,985.0	165.9	165.1	-107.47	8,556.1	645.7	519.0	200.4	318.62	1.629	
16,400.0	7,829.0	16,483.8	7,985.0	167.8	167.0	-107.49	8,656.1	646.0	519.0	196.8	322.24	1.611	
16,416.7	7,829.0	16,499.4	7,985.0	168.1	167.3	-107.49	8,671.6	646.1	519.1	196.3	322.77	1.608 SF	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-89.53	0.4	-44.8	44.8	44.8	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-89.53	0.4	-44.8	44.8	44.6	0.23	197.538	
200.0	200.0	201.0	201.0	0.3	0.3	-89.53	0.4	-44.8	44.8	44.2	0.68	66.284	
300.0	300.0	301.0	301.0	0.6	0.6	-89.53	0.4	-44.8	44.8	43.7	1.13	39.823	
400.0	400.0	401.0	401.0	0.8	0.8	-89.53	0.4	-44.8	44.8	43.3	1.58	28.461	CC, ES
500.0	500.0	501.0	501.0	1.0	1.0	175.09	0.4	-44.8	46.6	44.6	2.01	23.126	
600.0	599.8	600.8	600.8	1.2	1.2	175.58	0.4	-44.8	51.8	49.3	2.45	21.155	
700.0	699.5	700.5	700.5	1.4	1.5	176.20	0.4	-44.8	60.5	57.6	2.89	20.940	
800.0	798.7	799.7	799.7	1.7	1.7	176.83	0.4	-44.8	72.7	69.3	3.33	21.804	
900.0	897.5	898.5	898.5	2.0	1.9	177.37	0.4	-44.8	88.3	84.5	3.78	23.369	
1,000.0	995.8	996.8	996.8	2.4	2.1	177.82	0.4	-44.8	106.3	102.0	4.23	25.141	
1,100.0	1,094.2	1,095.2	1,095.2	2.7	2.3	178.13	0.4	-44.8	124.3	119.7	4.68	26.556	
1,200.0	1,192.5	1,193.5	1,193.5	3.1	2.6	178.37	0.4	-44.8	142.4	137.3	5.14	27.699	
1,300.0	1,290.9	1,291.9	1,291.9	3.5	2.8	178.55	0.4	-44.8	160.5	154.9	5.60	28.640	
1,400.0	1,389.2	1,390.2	1,390.2	3.9	3.0	178.70	0.4	-44.8	178.6	172.5	6.07	29.426	
1,500.0	1,487.6	1,488.6	1,488.6	4.3	3.2	178.82	0.4	-44.8	196.6	190.1	6.53	30.092	
1,600.0	1,585.9	1,593.9	1,593.9	4.7	3.5	178.87	0.0	-43.3	213.3	206.3	7.00	30.478	
1,700.0	1,684.3	1,701.2	1,701.0	5.1	3.7	178.78	-1.1	-37.9	226.3	218.9	7.45	30.381	
1,800.0	1,782.6	1,809.4	1,808.8	5.5	3.9	178.56	-3.2	-28.5	235.7	227.8	7.91	29.788	
1,900.0	1,881.0	1,912.4	1,911.1	5.9	4.1	178.26	-5.8	-16.6	242.0	233.7	8.37	28.907	
2,000.0	1,979.4	2,012.2	2,010.1	6.3	4.4	177.97	-8.3	-4.7	248.2	239.3	8.84	28.087	
2,100.0	2,077.7	2,112.0	2,109.2	6.7	4.6	177.71	-10.9	7.1	254.3	245.0	9.30	27.335	
2,200.0	2,176.1	2,211.8	2,208.3	7.1	4.9	177.45	-13.5	19.0	260.4	250.7	9.77	26.646	
2,300.0	2,274.4	2,311.6	2,307.3	7.5	5.1	177.20	-16.0	30.8	266.6	256.3	10.25	26.011	
2,400.0	2,372.8	2,411.4	2,406.4	8.0	5.4	176.97	-18.6	42.6	272.7	262.0	10.73	25.425	
2,500.0	2,471.1	2,511.2	2,505.5	8.4	5.7	176.75	-21.2	54.5	278.9	267.7	11.21	24.883	
2,600.0	2,569.5	2,611.0	2,604.5	8.8	6.0	176.53	-23.7	66.3	285.1	273.4	11.69	24.380	
2,700.0	2,667.8	2,710.8	2,703.6	9.2	6.3	176.33	-26.3	78.2	291.2	279.0	12.18	23.913	
2,800.0	2,766.2	2,810.6	2,802.7	9.6	6.5	176.13	-28.9	90.0	297.4	284.7	12.67	23.479	
2,900.0	2,864.5	2,910.5	2,901.7	10.0	6.8	175.94	-31.4	101.9	303.6	290.4	13.16	23.073	
3,000.0	2,962.9	3,010.3	3,000.8	10.4	7.1	175.76	-34.0	113.7	309.7	296.1	13.65	22.694	
3,100.0	3,061.2	3,110.1	3,099.9	10.8	7.4	175.59	-36.6	125.5	315.9	301.8	14.14	22.339	
3,200.0	3,159.6	3,209.9	3,198.9	11.2	7.7	175.42	-39.2	137.4	322.1	307.4	14.64	22.005	
3,300.0	3,257.9	3,309.7	3,298.0	11.7	8.0	175.26	-41.7	149.2	328.3	313.1	15.13	21.692	
3,400.0	3,356.3	3,409.5	3,397.1	12.1	8.3	175.11	-44.3	161.1	334.4	318.8	15.63	21.397	
3,500.0	3,454.6	3,509.3	3,496.1	12.5	8.6	174.96	-46.9	172.9	340.6	324.5	16.13	21.119	
3,600.0	3,553.0	3,609.1	3,595.2	12.9	8.9	174.82	-49.4	184.8	346.8	330.2	16.63	20.856	
3,700.0	3,651.3	3,708.9	3,694.3	13.3	9.2	174.68	-52.0	196.6	353.0	335.9	17.13	20.608	
3,800.0	3,749.7	3,808.7	3,793.3	13.7	9.5	174.54	-54.6	208.4	359.2	341.6	17.63	20.373	
3,900.0	3,848.0	3,908.5	3,892.4	14.1	9.9	174.41	-57.1	220.3	365.4	347.3	18.13	20.149	
4,000.0	3,946.4	4,008.3	3,991.5	14.5	10.2	174.29	-59.7	232.1	371.6	352.9	18.64	19.937	
4,100.0	4,044.7	4,108.1	4,090.5	15.0	10.5	174.17	-62.3	244.0	377.8	358.6	19.14	19.736	
4,200.0	4,143.1	4,207.9	4,189.6	15.4	10.8	174.05	-64.8	255.8	384.0	364.3	19.65	19.544	
4,300.0	4,241.4	4,307.7	4,288.7	15.8	11.1	173.94	-67.4	267.7	390.2	370.0	20.15	19.361	
4,400.0	4,339.8	4,407.5	4,387.7	16.2	11.4	173.83	-70.0	279.5	396.4	375.7	20.66	19.187	
4,500.0	4,438.2	4,507.3	4,486.8	16.6	11.7	173.72	-72.5	291.3	402.6	381.4	21.17	19.020	
4,600.0	4,536.5	4,607.1	4,585.9	17.0	12.0	173.62	-75.1	303.2	408.8	387.1	21.67	18.861	
4,700.0	4,634.9	4,706.9	4,684.9	17.4	12.3	173.52	-77.7	315.0	415.0	392.8	22.18	18.709	
4,800.0	4,733.2	4,806.7	4,784.0	17.8	12.7	173.42	-80.2	326.9	421.2	398.5	22.69	18.563	
4,900.0	4,831.6	4,906.5	4,883.1	18.3	13.0	173.32	-82.8	338.7	427.4	404.2	23.20	18.423	
5,000.0	4,929.9	5,006.4	4,982.1	18.7	13.3	173.23	-85.4	350.5	433.6	409.9	23.71	18.289	
5,100.0	5,028.3	5,106.2	5,081.2	19.1	13.6	173.14	-87.9	362.4	439.8	415.6	24.22	18.160	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,126.6	5,206.0	5,180.3	19.5	13.9	173.06	-90.5	374.2	446.0	421.3	24.73	18.036	
5,300.0	5,225.0	5,305.8	5,279.3	19.9	14.2	172.97	-93.1	386.1	452.3	427.0	25.24	17.917	
5,400.0	5,323.3	5,405.6	5,378.4	20.3	14.5	172.89	-95.6	397.9	458.5	432.7	25.75	17.803	
5,500.0	5,421.7	5,505.4	5,477.5	20.7	14.9	172.81	-98.2	409.8	464.7	438.4	26.26	17.692	
5,600.0	5,520.0	5,605.2	5,576.5	21.1	15.2	172.73	-100.8	421.6	470.9	444.1	26.78	17.586	
5,700.0	5,618.4	5,700.0	5,670.7	21.6	15.5	172.66	-103.2	432.8	477.2	449.9	27.27	17.498	SF
5,800.0	5,716.7	5,787.4	5,757.6	22.0	15.7	172.65	-105.1	441.3	485.5	457.8	27.70	17.525	
5,900.0	5,815.1	5,872.6	5,842.6	22.4	15.8	172.72	-106.3	447.1	496.8	468.6	28.12	17.664	
6,000.0	5,913.4	5,957.1	5,927.1	22.8	16.0	172.84	-107.0	450.5	510.9	482.3	28.53	17.906	
6,100.0	6,011.8	6,042.9	6,012.8	23.2	16.1	173.03	-107.2	451.4	527.7	498.8	28.94	18.239	
6,200.0	6,110.1	6,141.2	6,111.1	23.6	16.3	173.26	-107.2	451.4	545.7	516.3	29.37	18.581	
6,300.0	6,208.5	6,239.6	6,209.5	24.0	16.5	173.48	-107.2	451.4	563.7	533.9	29.81	18.911	
6,400.0	6,306.8	6,337.9	6,307.8	24.4	16.6	173.68	-107.2	451.4	581.6	551.4	30.24	19.231	
6,500.0	6,405.2	6,436.3	6,406.2	24.9	16.8	173.87	-107.2	451.4	599.6	568.9	30.68	19.541	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-14.9	14.9	14.9	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	-90.00	0.0	-14.9	14.9	14.6	0.22	66.087	
200.0	200.0	200.0	200.0	0.3	0.3	-90.00	0.0	-14.9	14.9	14.2	0.67	22.029	
300.0	300.0	300.0	300.0	0.6	0.6	-90.00	0.0	-14.9	14.9	13.7	1.12	13.217	
400.0	400.0	400.0	400.0	0.8	0.8	-90.00	0.0	-14.9	14.9	13.3	1.57	9.441	CC, ES
500.0	500.0	500.0	500.0	1.0	1.0	175.02	0.0	-14.9	16.6	14.6	2.01	8.246	
600.0	599.8	599.8	599.8	1.2	1.2	176.21	0.0	-14.9	21.8	19.4	2.45	8.916	
700.0	699.5	699.5	699.5	1.4	1.5	177.28	0.0	-14.9	30.5	27.6	2.89	10.571	
800.0	798.7	798.7	798.7	1.7	1.7	178.05	0.0	-14.9	42.7	39.4	3.33	12.821	
900.0	897.5	899.4	899.4	2.0	1.9	178.46	-0.2	-13.1	56.6	52.9	3.76	15.074	
1,000.0	995.8	1,000.9	1,000.7	2.4	2.1	178.59	-0.9	-7.9	69.5	65.3	4.18	16.629	
1,100.0	1,094.2	1,103.1	1,102.5	2.7	2.3	178.52	-2.1	1.0	78.9	74.2	4.62	17.076	
1,200.0	1,192.5	1,205.8	1,204.5	3.1	2.6	178.30	-3.8	13.6	84.7	79.6	5.07	16.688	
1,300.0	1,290.9	1,306.6	1,304.1	3.5	2.9	177.99	-5.9	28.6	87.8	82.3	5.54	15.855	
1,400.0	1,389.2	1,406.6	1,402.9	3.9	3.2	177.70	-7.9	43.5	90.9	84.8	6.01	15.108	
1,500.0	1,487.6	1,506.5	1,501.8	4.3	3.5	177.43	-9.9	58.5	93.9	87.4	6.49	14.456	
1,600.0	1,585.9	1,606.5	1,600.6	4.7	3.8	177.18	-12.0	73.5	96.9	89.9	6.98	13.884	
1,700.0	1,684.3	1,706.5	1,699.4	5.1	4.1	176.94	-14.0	88.5	99.9	92.4	7.47	13.381	
1,800.0	1,782.6	1,806.4	1,798.2	5.5	4.5	176.71	-16.0	103.5	102.9	95.0	7.96	12.933	
1,900.0	1,881.0	1,906.4	1,897.0	5.9	4.8	176.50	-18.0	118.5	106.0	97.5	8.45	12.534	
2,000.0	1,979.4	2,006.3	1,995.8	6.3	5.1	176.30	-20.1	133.5	109.0	100.0	8.95	12.175	
2,100.0	2,077.7	2,106.3	2,094.6	6.7	5.5	176.11	-22.1	148.5	112.0	102.6	9.45	11.851	
2,200.0	2,176.1	2,206.2	2,193.4	7.1	5.8	175.93	-24.1	163.5	115.0	105.1	9.95	11.558	
2,300.0	2,274.4	2,306.2	2,292.2	7.5	6.2	175.76	-26.1	178.5	118.1	107.6	10.46	11.291	
2,400.0	2,372.8	2,406.1	2,391.0	8.0	6.5	175.60	-28.2	193.5	121.1	110.1	10.96	11.048	
2,500.0	2,471.1	2,506.1	2,489.8	8.4	6.9	175.45	-30.2	208.5	124.1	112.7	11.47	10.825	
2,600.0	2,569.5	2,606.0	2,588.6	8.8	7.2	175.30	-32.2	223.5	127.2	115.2	11.97	10.619	
2,700.0	2,667.8	2,706.0	2,687.4	9.2	7.6	175.16	-34.2	238.4	130.2	117.7	12.48	10.430	
2,800.0	2,766.2	2,805.9	2,786.2	9.6	7.9	175.03	-36.3	253.4	133.2	120.2	12.99	10.254	
2,900.0	2,864.5	2,905.9	2,885.0	10.0	8.3	174.90	-38.3	268.4	136.3	122.8	13.50	10.091	
3,000.0	2,962.9	3,005.9	2,983.8	10.4	8.7	174.78	-40.3	283.4	139.3	125.3	14.01	9.940	
3,100.0	3,061.2	3,105.8	3,082.6	10.8	9.0	174.66	-42.4	298.4	142.3	127.8	14.53	9.799	
3,200.0	3,159.6	3,205.8	3,181.4	11.2	9.4	174.55	-44.4	313.4	145.4	130.3	15.04	9.667	
3,300.0	3,257.9	3,305.7	3,280.2	11.7	9.7	174.44	-46.4	328.4	148.4	132.8	15.55	9.543	
3,400.0	3,356.3	3,405.7	3,379.0	12.1	10.1	174.34	-48.4	343.4	151.4	135.4	16.06	9.427	
3,500.0	3,454.6	3,505.6	3,477.8	12.5	10.5	174.24	-50.5	358.4	154.5	137.9	16.58	9.318	
3,600.0	3,553.0	3,605.6	3,576.6	12.9	10.8	174.15	-52.5	373.4	157.5	140.4	17.09	9.215	
3,700.0	3,651.3	3,705.5	3,675.4	13.3	11.2	174.06	-54.5	388.4	160.5	142.9	17.61	9.118	
3,800.0	3,749.7	3,805.5	3,774.2	13.7	11.5	173.97	-56.5	403.4	163.6	145.5	18.12	9.026	
3,900.0	3,848.0	3,905.4	3,873.0	14.1	11.9	173.88	-58.6	418.4	166.6	148.0	18.64	8.939	
4,000.0	3,946.4	4,005.4	3,971.8	14.5	12.3	173.80	-60.6	433.3	169.7	150.5	19.16	8.857	
4,100.0	4,044.7	4,105.3	4,070.6	15.0	12.6	173.72	-62.6	448.3	172.7	153.0	19.67	8.779	
4,200.0	4,143.1	4,205.3	4,169.4	15.4	13.0	173.65	-64.7	463.3	175.7	155.6	20.19	8.704	
4,300.0	4,241.4	4,305.2	4,268.2	15.8	13.4	173.57	-66.7	478.3	178.8	158.1	20.71	8.634	
4,400.0	4,339.8	4,405.2	4,367.0	16.2	13.7	173.50	-68.7	493.3	181.8	160.6	21.23	8.566	
4,500.0	4,438.2	4,505.2	4,465.8	16.6	14.1	173.43	-70.7	508.3	184.9	163.1	21.74	8.502	
4,600.0	4,536.5	4,605.1	4,564.6	17.0	14.4	173.37	-72.8	523.3	187.9	165.6	22.26	8.441	
4,700.0	4,634.9	4,705.1	4,663.4	17.4	14.8	173.30	-74.8	538.3	190.9	168.2	22.78	8.382	
4,800.0	4,733.2	4,805.0	4,762.2	17.8	15.2	173.24	-76.8	553.3	194.0	170.7	23.30	8.326	
4,900.0	4,831.6	4,905.0	4,861.0	18.3	15.5	173.18	-78.8	568.3	197.0	173.2	23.82	8.272	
5,000.0	4,929.9	5,004.9	4,959.8	18.7	15.9	173.12	-80.9	583.3	200.1	175.7	24.34	8.221	
5,100.0	5,028.3	5,104.9	5,058.6	19.1	16.3	173.06	-82.9	598.3	203.1	178.3	24.86	8.171	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,126.6	5,204.8	5,157.4	19.5	16.6	173.01	-84.9	613.2	206.2	180.8	25.38	8.124	
5,300.0	5,225.0	5,304.8	5,256.2	19.9	17.0	172.95	-87.0	628.2	209.2	183.3	25.90	8.078	
5,400.0	5,323.3	5,404.7	5,355.0	20.3	17.3	172.90	-89.0	643.2	212.2	185.8	26.42	8.034	
5,500.0	5,421.7	5,504.7	5,453.8	20.7	17.7	172.85	-91.0	658.2	215.3	188.3	26.94	7.992	
5,600.0	5,520.0	5,604.6	5,552.6	21.1	18.1	172.80	-93.0	673.2	218.3	190.9	27.46	7.952	
5,700.0	5,618.4	5,704.6	5,651.4	21.6	18.4	172.75	-95.1	688.2	221.4	193.4	27.98	7.912	
5,800.0	5,716.7	5,804.6	5,750.2	22.0	18.8	172.71	-97.1	703.2	224.4	195.9	28.50	7.875	
5,900.0	5,815.1	5,904.5	5,849.0	22.4	19.2	172.66	-99.1	718.2	227.5	198.4	29.02	7.838	
6,000.0	5,913.4	6,004.5	5,947.8	22.8	19.5	172.62	-101.1	733.2	230.5	201.0	29.54	7.803	
6,100.0	6,011.8	6,104.4	6,046.6	23.2	19.9	172.58	-103.2	748.2	233.5	203.5	30.06	7.769	
6,200.0	6,110.1	6,200.0	6,141.3	23.6	20.2	172.58	-105.0	761.5	237.6	207.1	30.54	7.779	
6,300.0	6,208.5	6,290.4	6,231.1	24.0	20.4	172.69	-106.3	771.4	244.8	213.8	30.97	7.904	
6,400.0	6,306.8	6,382.0	6,322.4	24.4	20.6	172.90	-107.3	778.4	255.1	223.7	31.38	8.130	
6,500.0	6,405.2	6,472.9	6,413.2	24.9	20.7	173.20	-107.8	782.6	268.5	236.8	31.77	8.454	
6,600.0	6,503.6	6,563.2	6,503.6	25.3	20.9	173.56	-108.0	783.9	285.0	252.9	32.15	8.865	
6,700.0	6,602.3	6,662.0	6,602.3	25.5	21.0	173.92	-108.0	783.9	300.5	268.0	32.51	9.245	
6,800.0	6,701.6	6,761.3	6,701.6	25.8	21.1	174.18	-108.0	783.9	312.6	279.8	32.83	9.522	
6,900.0	6,801.2	6,860.9	6,801.2	26.0	21.3	174.36	-108.0	783.9	321.2	288.1	33.12	9.699	
7,000.0	6,901.1	6,960.7	6,901.1	26.1	21.4	174.46	-108.0	783.9	326.4	293.0	33.38	9.778	
7,100.0	7,001.0	7,060.7	7,001.0	26.3	21.6	-89.95	-108.0	783.9	328.1	294.5	33.63	9.757	
7,143.1	7,044.1	7,103.8	7,044.1	26.3	21.6	-89.94	-108.0	783.9	328.1	294.3	33.79	9.712	
7,200.0	7,101.0	7,160.5	7,100.8	26.4	21.7	-89.45	-105.2	783.9	328.1	294.2	33.95	9.666	
7,300.0	7,200.9	7,258.5	7,197.5	26.5	21.9	-87.47	-89.8	783.9	328.5	294.4	34.12	9.628	
7,400.0	7,299.4	7,354.8	7,289.6	26.6	22.0	-85.32	-62.0	783.9	329.3	295.0	34.31	9.599	
7,500.0	7,394.6	7,450.0	7,376.2	26.7	22.1	-83.28	-22.6	783.9	330.6	296.1	34.56	9.566	
7,600.0	7,484.6	7,543.1	7,455.1	26.8	22.1	-81.41	26.8	783.9	332.2	297.3	34.89	9.522	
7,700.0	7,567.7	7,635.5	7,526.4	26.9	22.2	-79.71	85.3	783.9	334.0	298.7	35.28	9.467	
7,800.0	7,642.3	7,726.8	7,588.9	27.0	22.4	-78.23	151.8	783.9	335.9	300.1	35.79	9.385	
7,900.0	7,706.8	7,817.3	7,642.0	27.1	22.5	-76.97	225.0	783.9	337.7	301.3	36.37	9.284	
8,000.0	7,760.1	7,907.1	7,685.1	27.3	22.8	-75.95	303.7	783.9	339.3	302.3	37.06	9.156	
8,100.0	7,801.1	7,996.3	7,717.9	27.5	23.1	-75.19	386.7	783.9	340.7	302.8	37.88	8.994	
8,200.0	7,828.9	8,085.2	7,740.1	27.9	23.5	-74.68	472.7	783.9	341.7	302.8	38.86	8.793	
8,300.0	7,843.1	8,173.9	7,751.4	28.3	24.1	-74.44	560.6	783.9	342.3	302.3	40.02	8.553	
8,400.0	7,844.9	8,268.7	7,752.9	28.9	24.9	-74.42	655.4	784.0	342.5	300.9	41.62	8.229	
8,500.0	7,844.7	8,368.7	7,752.7	29.7	25.9	-74.42	755.4	784.3	342.5	298.7	43.79	7.820	
8,600.0	7,844.5	8,468.7	7,752.6	30.5	26.9	-74.43	855.4	784.7	342.5	296.3	46.18	7.417	
8,700.0	7,844.3	8,568.7	7,752.4	31.5	28.1	-74.43	955.4	785.0	342.5	293.7	48.73	7.029	
8,800.0	7,844.1	8,668.7	7,752.2	32.6	29.4	-74.43	1,055.4	785.4	342.5	291.1	51.42	6.661	
8,900.0	7,843.9	8,768.7	7,752.0	33.7	30.7	-74.43	1,155.4	785.7	342.5	288.2	54.23	6.316	
9,000.0	7,843.7	8,868.7	7,751.8	35.0	32.1	-74.43	1,255.4	786.0	342.5	285.3	57.14	5.994	
9,100.0	7,843.5	8,968.7	7,751.6	36.3	33.6	-74.44	1,355.4	786.4	342.5	282.3	60.14	5.694	
9,200.0	7,843.3	9,068.7	7,751.4	37.7	35.1	-74.44	1,455.4	786.7	342.5	279.3	63.22	5.417	
9,300.0	7,843.1	9,168.7	7,751.3	39.1	36.7	-74.44	1,555.4	787.0	342.5	276.1	66.36	5.161	
9,400.0	7,842.9	9,268.7	7,751.1	40.6	38.2	-74.44	1,655.4	787.4	342.5	272.9	69.55	4.924	
9,500.0	7,842.7	9,368.7	7,750.9	42.1	39.8	-74.44	1,755.4	787.7	342.5	269.7	72.80	4.704	
9,600.0	7,842.5	9,468.7	7,750.7	43.6	41.5	-74.45	1,855.4	788.1	342.5	266.4	76.09	4.501	
9,700.0	7,842.3	9,568.7	7,750.5	45.2	43.1	-74.45	1,955.4	788.4	342.5	263.0	79.41	4.312	
9,800.0	7,842.1	9,668.7	7,750.3	46.8	44.8	-74.45	2,055.4	788.7	342.5	259.7	82.77	4.138	
9,900.0	7,841.9	9,768.7	7,750.1	48.4	46.5	-74.45	2,155.4	789.1	342.5	256.3	86.16	3.975	
10,000.0	7,841.7	9,868.7	7,750.0	50.1	48.2	-74.45	2,255.4	789.4	342.5	252.9	89.57	3.823	
10,100.0	7,841.5	9,968.7	7,749.8	51.7	50.0	-74.46	2,355.4	789.7	342.5	249.5	93.00	3.682	
10,200.0	7,841.3	10,068.7	7,749.6	53.4	51.7	-74.46	2,455.4	790.1	342.5	246.0	96.46	3.550	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,841.1	10,168.7	7,749.4	55.1	53.5	-74.46	2,555.4	790.4	342.5	242.5	99.93	3.427	
10,400.0	7,840.9	10,268.7	7,749.2	56.8	55.2	-74.46	2,655.4	790.8	342.4	239.0	103.42	3.311	
10,500.0	7,840.7	10,368.7	7,749.0	58.6	57.0	-74.46	2,755.4	791.1	342.4	235.5	106.92	3.203	
10,600.0	7,840.5	10,468.7	7,748.8	60.3	58.8	-74.47	2,855.4	791.4	342.4	232.0	110.44	3.101	
10,700.0	7,840.3	10,568.7	7,748.6	62.0	60.6	-74.47	2,955.4	791.8	342.4	228.5	113.97	3.005	
10,800.0	7,840.1	10,668.7	7,748.5	63.8	62.4	-74.47	3,055.4	792.1	342.4	224.9	117.51	2.914	
10,900.0	7,839.9	10,768.7	7,748.3	65.6	64.2	-74.47	3,155.4	792.4	342.4	221.4	121.06	2.829	
11,000.0	7,839.7	10,868.7	7,748.1	67.3	66.0	-74.47	3,255.4	792.8	342.4	217.8	124.63	2.748	
11,100.0	7,839.5	10,968.7	7,747.9	69.1	67.8	-74.48	3,355.4	793.1	342.4	214.2	128.19	2.671	
11,200.0	7,839.4	11,068.7	7,747.7	70.9	69.6	-74.48	3,455.4	793.5	342.4	210.7	131.77	2.599	
11,300.0	7,839.2	11,168.7	7,747.5	72.7	71.5	-74.48	3,555.4	793.8	342.4	207.1	135.36	2.530	
11,400.0	7,839.0	11,268.7	7,747.3	74.5	73.3	-74.48	3,655.4	794.1	342.4	203.5	138.95	2.465	
11,500.0	7,838.8	11,368.7	7,747.2	76.3	75.1	-74.48	3,755.4	794.5	342.4	199.9	142.54	2.402	
11,600.0	7,838.6	11,468.7	7,747.0	78.1	77.0	-74.49	3,855.4	794.8	342.4	196.3	146.14	2.343	
11,700.0	7,838.4	11,568.7	7,746.8	79.9	78.8	-74.49	3,955.4	795.2	342.4	192.7	149.75	2.287	
11,800.0	7,838.2	11,668.7	7,746.6	81.8	80.6	-74.49	4,055.4	795.5	342.4	189.1	153.37	2.233	
11,900.0	7,838.0	11,768.7	7,746.4	83.6	82.5	-74.49	4,155.4	795.8	342.4	185.4	156.98	2.181	
12,000.0	7,837.8	11,868.7	7,746.2	85.4	84.3	-74.49	4,255.4	796.2	342.4	181.8	160.60	2.132	
12,100.0	7,837.6	11,968.7	7,746.0	87.3	86.2	-74.50	4,355.4	796.5	342.4	178.2	164.23	2.085	
12,200.0	7,837.4	12,068.7	7,745.9	89.1	88.1	-74.50	4,455.4	796.8	342.4	174.6	167.86	2.040	
12,300.0	7,837.2	12,168.7	7,745.7	90.9	89.9	-74.50	4,555.4	797.2	342.4	170.9	171.49	1.997	
12,400.0	7,837.0	12,268.7	7,745.5	92.8	91.8	-74.50	4,655.4	797.5	342.4	167.3	175.13	1.955	
12,500.0	7,836.8	12,368.7	7,745.3	94.6	93.6	-74.51	4,755.4	797.9	342.4	163.6	178.77	1.915	
12,600.0	7,836.6	12,468.7	7,745.1	96.5	95.5	-74.51	4,855.4	798.2	342.4	160.0	182.41	1.877	
12,700.0	7,836.4	12,568.7	7,744.9	98.3	97.4	-74.51	4,955.4	798.5	342.4	156.4	186.05	1.840	
12,800.0	7,836.2	12,668.7	7,744.7	100.2	99.2	-74.51	5,055.4	798.9	342.4	152.7	189.70	1.805	
12,900.0	7,836.0	12,768.7	7,744.5	102.0	101.1	-74.51	5,155.3	799.2	342.4	149.1	193.35	1.771	
13,000.0	7,835.8	12,868.7	7,744.4	103.9	103.0	-74.52	5,255.3	799.5	342.4	145.4	197.00	1.738	
13,100.0	7,835.6	12,968.7	7,744.2	105.7	104.9	-74.52	5,355.3	799.9	342.4	141.7	200.66	1.706	
13,200.0	7,835.4	13,068.7	7,744.0	107.6	106.7	-74.52	5,455.3	800.2	342.4	138.1	204.31	1.676	
13,300.0	7,835.2	13,168.7	7,743.8	109.5	108.6	-74.52	5,555.3	800.6	342.4	134.4	207.97	1.646	
13,400.0	7,835.0	13,268.7	7,743.6	111.3	110.5	-74.52	5,655.3	800.9	342.4	130.8	211.63	1.618	
13,500.0	7,834.8	13,368.7	7,743.4	113.2	112.4	-74.53	5,755.3	801.2	342.4	127.1	215.30	1.590	
13,600.0	7,834.6	13,468.7	7,743.2	115.1	114.2	-74.53	5,855.3	801.6	342.4	123.4	218.96	1.564	
13,700.0	7,834.4	13,568.7	7,743.1	116.9	116.1	-74.53	5,955.3	801.9	342.4	119.8	222.62	1.538	
13,800.0	7,834.2	13,668.7	7,742.9	118.8	118.0	-74.53	6,055.3	802.2	342.4	116.1	226.29	1.513	
13,900.0	7,834.0	13,768.7	7,742.7	120.7	119.9	-74.53	6,155.3	802.6	342.4	112.4	229.96	1.489	Level 3
14,000.0	7,833.8	13,868.7	7,742.5	122.5	121.8	-74.54	6,255.3	802.9	342.4	108.8	233.63	1.466	Level 3
14,100.0	7,833.6	13,968.7	7,742.3	124.4	123.7	-74.54	6,355.3	803.3	342.4	105.1	237.30	1.443	Level 3
14,200.0	7,833.4	14,068.7	7,742.1	126.3	125.6	-74.54	6,455.3	803.6	342.4	101.4	240.97	1.421	Level 3
14,300.0	7,833.2	14,168.7	7,741.9	128.2	127.4	-74.54	6,555.3	803.9	342.4	97.7	244.65	1.400	Level 3
14,400.0	7,833.0	14,268.7	7,741.8	130.1	129.3	-74.54	6,655.3	804.3	342.4	94.1	248.32	1.379	Level 3
14,500.0	7,832.8	14,368.7	7,741.6	131.9	131.2	-74.55	6,755.3	804.6	342.4	90.4	252.00	1.359	Level 3
14,600.0	7,832.6	14,468.7	7,741.4	133.8	133.1	-74.55	6,855.3	804.9	342.4	86.7	255.67	1.339	Level 3
14,700.0	7,832.4	14,568.7	7,741.2	135.7	135.0	-74.55	6,955.3	805.3	342.4	83.0	259.35	1.320	Level 3
14,800.0	7,832.2	14,668.7	7,741.0	137.6	136.9	-74.55	7,055.3	805.6	342.4	79.3	263.03	1.302	Level 3
14,900.0	7,832.0	14,768.7	7,740.8	139.5	138.8	-74.55	7,155.3	806.0	342.4	75.7	266.71	1.284	Level 3
15,000.0	7,831.8	14,868.7	7,740.6	141.3	140.7	-74.56	7,255.3	806.3	342.4	72.0	270.39	1.266	Level 3
15,100.0	7,831.6	14,968.7	7,740.5	143.2	142.6	-74.56	7,355.3	806.6	342.4	68.3	274.07	1.249	Level 2
15,200.0	7,831.4	15,068.7	7,740.3	145.1	144.5	-74.56	7,455.3	807.0	342.4	64.6	277.76	1.233	Level 2
15,300.0	7,831.2	15,168.7	7,740.1	147.0	146.3	-74.56	7,555.3	807.3	342.4	60.9	281.44	1.216	Level 2
15,400.0	7,831.0	15,268.7	7,739.9	148.9	148.2	-74.56	7,655.3	807.6	342.4	57.2	285.13	1.201	Level 2

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,500.0	7,830.8	15,368.7	7,739.7	150.8	150.1	-74.57	7,755.3	808.0	342.4	53.6	288.81	1.185	Level 2
15,600.0	7,830.6	15,468.7	7,739.5	152.7	152.0	-74.57	7,855.3	808.3	342.4	49.9	292.50	1.171	Level 2
15,700.0	7,830.4	15,568.7	7,739.3	154.5	153.9	-74.57	7,955.3	808.7	342.4	46.2	296.18	1.156	Level 2
15,800.0	7,830.2	15,668.7	7,739.1	156.4	155.8	-74.57	8,055.3	809.0	342.4	42.5	299.87	1.142	Level 2
15,900.0	7,830.0	15,768.7	7,739.0	158.3	157.7	-74.57	8,155.3	809.3	342.4	38.8	303.56	1.128	Level 2
16,000.0	7,829.8	15,868.7	7,738.8	160.2	159.6	-74.58	8,255.3	809.7	342.4	35.1	307.25	1.114	Level 2
16,100.0	7,829.6	15,968.7	7,738.6	162.1	161.5	-74.58	8,355.3	810.0	342.4	31.4	310.94	1.101	Level 2
16,200.0	7,829.4	16,068.7	7,738.4	164.0	163.4	-74.58	8,455.3	810.4	342.4	27.7	314.63	1.088	Level 2
16,300.0	7,829.2	16,168.7	7,738.2	165.9	165.3	-74.58	8,555.3	810.7	342.4	24.0	318.32	1.076	Level 2
16,400.0	7,829.0	16,268.7	7,738.0	167.8	167.2	-74.58	8,655.3	811.0	342.4	20.3	322.01	1.063	Level 2
16,415.2	7,829.0	16,284.0	7,738.0	168.0	167.5	-74.58	8,670.5	811.1	342.4	19.8	322.51	1.062	Level 2
16,416.7	7,829.0	16,284.2	7,738.0	168.1	167.5	-74.58	8,670.8	811.1	342.4	19.8	322.54	1.061	Level 2, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	90.02	0.0	15.1	15.1	15.1	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	90.02	0.0	15.1	15.1	14.9	0.22	67.334	
200.0	200.0	200.0	200.0	0.3	0.3	90.02	0.0	15.1	15.1	14.5	0.67	22.445	CC, ES
300.0	300.0	299.4	299.4	0.6	0.6	90.46	-0.1	16.9	16.9	15.8	1.11	15.172	
400.0	400.0	398.6	398.5	0.8	0.8	91.38	-0.5	22.0	22.1	20.5	1.56	14.176	
500.0	500.0	497.5	497.0	1.0	1.0	-3.54	-1.2	30.5	29.0	27.0	1.99	14.570	
600.0	599.8	596.2	594.9	1.2	1.3	-3.26	-2.1	42.4	35.8	33.4	2.42	14.820	
700.0	699.5	694.6	692.1	1.4	1.6	-3.17	-3.2	57.6	42.6	39.8	2.86	14.907	
800.0	798.7	792.8	788.6	1.7	2.0	-3.18	-4.7	76.1	49.4	46.1	3.32	14.891	
900.0	897.5	891.2	884.5	2.0	2.4	-3.27	-6.3	97.8	56.0	52.2	3.79	14.773	
1,000.0	995.8	991.1	981.7	2.4	2.9	-3.44	-8.1	120.8	61.2	56.9	4.29	14.275	
1,100.0	1,094.2	1,090.9	1,078.9	2.7	3.4	-3.59	-9.8	143.8	66.3	61.5	4.80	13.832	
1,200.0	1,192.5	1,190.8	1,176.1	3.1	3.9	-3.72	-11.6	166.7	71.5	66.2	5.31	13.457	
1,300.0	1,290.9	1,290.7	1,273.2	3.5	4.3	-3.83	-13.3	189.7	76.6	70.8	5.83	13.141	
1,400.0	1,389.2	1,390.5	1,370.4	3.9	4.8	-3.93	-15.1	212.7	81.7	75.4	6.35	12.864	
1,500.0	1,487.6	1,490.4	1,467.6	4.3	5.3	-4.01	-16.9	235.7	86.9	80.0	6.88	12.626	
1,600.0	1,585.9	1,590.3	1,564.7	4.7	5.8	-4.09	-18.6	258.7	92.0	84.6	7.41	12.418	
1,700.0	1,684.3	1,690.1	1,661.9	5.1	6.3	-4.16	-20.4	281.7	97.1	89.2	7.94	12.235	
1,800.0	1,782.6	1,790.0	1,759.1	5.5	6.8	-4.22	-22.1	304.7	102.2	93.8	8.47	12.073	
1,900.0	1,881.0	1,889.9	1,856.2	5.9	7.3	-4.27	-23.9	327.7	107.4	98.4	9.00	11.928	
2,000.0	1,979.4	1,989.8	1,953.4	6.3	7.8	-4.32	-25.6	350.6	112.5	103.0	9.54	11.798	
2,100.0	2,077.7	2,089.6	2,050.6	6.7	8.3	-4.37	-27.4	373.6	117.6	107.6	10.07	11.681	
2,200.0	2,176.1	2,189.5	2,147.8	7.1	8.8	-4.41	-29.2	396.6	122.8	112.2	10.61	11.575	
2,300.0	2,274.4	2,289.4	2,244.9	7.5	9.3	-4.45	-30.9	419.6	127.9	116.8	11.14	11.479	
2,400.0	2,372.8	2,389.2	2,342.1	8.0	9.8	-4.48	-32.7	442.6	133.0	121.3	11.68	11.390	
2,500.0	2,471.1	2,489.1	2,439.3	8.4	10.3	-4.52	-34.4	465.6	138.2	125.9	12.22	11.309	
2,600.0	2,569.5	2,589.0	2,536.4	8.8	10.8	-4.55	-36.2	488.6	143.3	130.5	12.75	11.235	
2,700.0	2,667.8	2,688.8	2,633.6	9.2	11.3	-4.58	-37.9	511.5	148.4	135.1	13.29	11.166	
2,800.0	2,766.2	2,788.7	2,730.8	9.6	11.8	-4.60	-39.7	534.5	153.5	139.7	13.83	11.103	
2,900.0	2,864.5	2,888.6	2,828.0	10.0	12.3	-4.63	-41.5	557.5	158.7	144.3	14.37	11.044	
3,000.0	2,962.9	2,988.4	2,925.1	10.4	12.8	-4.65	-43.2	580.5	163.8	148.9	14.91	10.989	
3,100.0	3,061.2	3,088.3	3,022.3	10.8	13.3	-4.67	-45.0	603.5	168.9	153.5	15.45	10.937	
3,200.0	3,159.6	3,188.2	3,119.5	11.2	13.8	-4.69	-46.7	626.5	174.1	158.1	15.98	10.889	
3,300.0	3,257.9	3,288.0	3,216.6	11.7	14.3	-4.71	-48.5	649.5	179.2	162.7	16.52	10.844	
3,400.0	3,356.3	3,387.9	3,313.8	12.1	14.8	-4.73	-50.2	672.5	184.3	167.3	17.06	10.802	
3,500.0	3,454.6	3,487.8	3,411.0	12.5	15.3	-4.75	-52.0	695.4	189.5	171.8	17.60	10.762	
3,600.0	3,553.0	3,587.6	3,508.2	12.9	15.8	-4.77	-53.7	718.4	194.6	176.4	18.14	10.725	
3,700.0	3,651.3	3,687.5	3,605.3	13.3	16.3	-4.78	-55.5	741.4	199.7	181.0	18.68	10.689	
3,800.0	3,749.7	3,787.4	3,702.5	13.7	16.8	-4.80	-57.3	764.4	204.8	185.6	19.22	10.656	
3,900.0	3,848.0	3,887.3	3,799.7	14.1	17.3	-4.81	-59.0	787.4	210.0	190.2	19.76	10.624	
4,000.0	3,946.4	3,987.1	3,896.8	14.5	17.8	-4.82	-60.8	810.4	215.1	194.8	20.30	10.594	
4,100.0	4,044.7	4,087.0	3,994.0	15.0	18.3	-4.84	-62.5	833.4	220.2	199.4	20.85	10.565	
4,200.0	4,143.1	4,186.9	4,091.2	15.4	18.8	-4.85	-64.3	856.4	225.4	204.0	21.39	10.538	
4,300.0	4,241.4	4,286.7	4,188.3	15.8	19.3	-4.86	-66.0	879.3	230.5	208.6	21.93	10.512	
4,400.0	4,339.8	4,386.6	4,285.5	16.2	19.8	-4.87	-67.8	902.3	235.6	213.2	22.47	10.487	
4,500.0	4,438.2	4,486.5	4,382.7	16.6	20.3	-4.88	-69.6	925.3	240.8	217.7	23.01	10.464	
4,600.0	4,536.5	4,586.3	4,479.9	17.0	20.8	-4.89	-71.3	948.3	245.9	222.3	23.55	10.441	
4,700.0	4,634.9	4,686.2	4,577.0	17.4	21.3	-4.90	-73.1	971.3	251.0	226.9	24.09	10.420	
4,800.0	4,733.2	4,786.1	4,674.2	17.8	21.8	-4.91	-74.8	994.3	256.1	231.5	24.63	10.399	
4,900.0	4,831.6	4,885.9	4,771.4	18.3	22.3	-4.92	-76.6	1,017.3	261.3	236.1	25.17	10.380	
5,000.0	4,929.9	4,985.8	4,868.5	18.7	22.8	-4.93	-78.3	1,040.3	266.4	240.7	25.71	10.361	
5,100.0	5,028.3	5,085.7	4,965.7	19.1	23.3	-4.94	-80.1	1,063.2	271.5	245.3	26.25	10.343	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,126.6	5,185.5	5,062.9	19.5	23.8	-4.95	-81.9	1,086.2	276.7	249.9	26.80	10.325	
5,300.0	5,225.0	5,285.4	5,160.1	19.9	24.3	-4.95	-83.6	1,109.2	281.8	254.5	27.34	10.308	
5,400.0	5,323.3	5,385.3	5,257.2	20.3	24.8	-4.96	-85.4	1,132.2	286.9	259.0	27.88	10.292	
5,500.0	5,421.7	5,485.1	5,354.4	20.7	25.3	-4.97	-87.1	1,155.2	292.1	263.6	28.42	10.277	
5,600.0	5,520.0	5,585.0	5,451.6	21.1	25.8	-4.98	-88.9	1,178.2	297.2	268.2	28.96	10.262	
5,700.0	5,618.4	5,684.9	5,548.7	21.6	26.3	-4.98	-90.6	1,201.2	302.3	272.8	29.50	10.247	
5,800.0	5,716.7	5,784.8	5,645.9	22.0	26.8	-4.99	-92.4	1,224.2	307.4	277.4	30.04	10.233	
5,900.0	5,815.1	5,884.6	5,743.1	22.4	27.4	-5.00	-94.1	1,247.1	312.6	282.0	30.59	10.220	
6,000.0	5,913.4	5,984.5	5,840.3	22.8	27.9	-5.00	-95.9	1,270.1	317.7	286.6	31.13	10.207	
6,100.0	6,011.8	6,084.4	5,937.4	23.2	28.4	-5.01	-97.7	1,293.1	322.8	291.2	31.67	10.194	
6,200.0	6,110.1	6,184.2	6,034.6	23.6	28.9	-5.01	-99.4	1,316.1	328.0	295.8	32.21	10.182	
6,300.0	6,208.5	6,284.1	6,131.8	24.0	29.4	-5.02	-101.2	1,339.1	333.1	300.3	32.75	10.170	
6,400.0	6,306.8	6,384.0	6,228.9	24.4	29.9	-5.02	-102.9	1,362.1	338.2	304.9	33.29	10.159	
6,500.0	6,405.2	6,496.0	6,338.3	24.9	30.3	-5.05	-104.8	1,386.1	341.8	307.9	33.82	10.107	
6,600.0	6,503.6	6,609.5	6,450.1	25.3	30.6	-5.13	-106.3	1,406.1	341.4	307.1	34.31	9.951	
6,700.0	6,602.3	6,722.9	6,562.4	25.5	30.9	-5.21	-107.5	1,421.6	339.6	304.9	34.71	9.784	
6,800.0	6,701.6	6,836.3	6,675.2	25.8	31.1	-5.29	-108.3	1,432.7	337.3	302.2	35.04	9.626	
6,900.0	6,801.2	6,949.5	6,788.2	26.0	31.3	-5.35	-108.8	1,439.4	334.5	299.2	35.31	9.474	
7,000.0	6,901.1	7,062.4	6,901.1	26.1	31.5	-5.42	-109.0	1,441.5	331.2	295.7	35.52	9.326	
7,100.0	7,001.0	7,162.4	7,001.0	26.3	31.6	90.12	-109.0	1,441.5	329.5	293.8	35.69	9.233	
7,143.4	7,044.4	7,205.7	7,044.4	26.3	31.6	90.12	-109.0	1,441.5	329.5	293.7	35.84	9.196	
7,200.0	7,101.0	7,262.2	7,100.8	26.4	31.7	89.66	-106.4	1,441.5	329.5	293.5	36.07	9.136	
7,300.0	7,200.9	7,360.2	7,197.6	26.5	31.7	87.46	-91.3	1,441.6	329.9	293.2	36.63	9.005	
7,400.0	7,299.4	7,456.6	7,289.9	26.6	31.8	85.37	-63.7	1,441.7	330.7	293.4	37.22	8.883	
7,500.0	7,394.6	7,551.6	7,376.4	26.7	31.9	83.38	-24.6	1,441.8	331.8	294.1	37.75	8.790	
7,600.0	7,484.6	7,645.2	7,455.8	26.8	31.9	81.54	24.8	1,442.0	333.3	295.1	38.19	8.727	
7,700.0	7,567.7	7,737.7	7,527.2	26.9	32.0	79.88	83.4	1,442.2	335.0	296.4	38.58	8.683	
7,800.0	7,642.3	7,829.1	7,589.9	27.0	32.1	78.42	150.0	1,442.4	336.7	297.7	38.93	8.647	
7,900.0	7,706.8	7,919.8	7,643.1	27.1	32.2	77.17	223.2	1,442.6	338.3	298.9	39.41	8.585	
8,000.0	7,760.1	8,009.7	7,686.3	27.3	32.4	76.16	302.0	1,442.9	339.8	299.7	40.12	8.468	
8,100.0	7,801.1	8,100.0	7,719.4	27.5	32.6	75.39	386.0	1,443.2	341.0	299.8	41.22	8.272	
8,200.0	7,828.9	8,188.1	7,741.3	27.9	32.8	74.88	471.3	1,443.4	341.9	299.1	42.77	7.993	
8,300.0	7,843.1	8,276.9	7,752.5	28.3	33.2	74.62	559.3	1,443.7	342.4	297.6	44.80	7.642	
8,400.0	7,844.9	8,370.8	7,753.9	28.9	33.6	74.59	653.2	1,444.0	342.5	295.5	46.94	7.295	
8,500.0	7,844.7	8,470.8	7,753.7	29.7	34.2	74.59	753.2	1,444.4	342.5	293.3	49.12	6.972	
8,600.0	7,844.5	8,570.8	7,753.5	30.5	34.8	74.59	853.2	1,444.7	342.4	290.9	51.50	6.650	
8,700.0	7,844.3	8,670.8	7,753.4	31.5	35.6	74.60	953.2	1,445.1	342.4	288.4	54.03	6.338	
8,800.0	7,844.1	8,770.8	7,753.2	32.6	36.5	74.60	1,053.2	1,445.4	342.4	285.7	56.69	6.041	
8,900.0	7,843.9	8,870.8	7,753.0	33.7	37.4	74.60	1,153.2	1,445.7	342.4	283.0	59.46	5.759	
9,000.0	7,843.7	8,970.8	7,752.8	35.0	38.5	74.60	1,253.1	1,446.1	342.4	280.1	62.33	5.494	
9,100.0	7,843.5	9,070.8	7,752.6	36.3	39.6	74.60	1,353.1	1,446.4	342.4	277.1	65.29	5.245	
9,200.0	7,843.3	9,170.8	7,752.4	37.7	40.8	74.61	1,453.1	1,446.8	342.4	274.1	68.32	5.012	
9,300.0	7,843.1	9,270.8	7,752.2	39.1	42.1	74.61	1,553.1	1,447.1	342.4	271.0	71.41	4.795	
9,400.0	7,842.9	9,370.8	7,752.1	40.6	43.4	74.61	1,653.1	1,447.4	342.4	267.8	74.56	4.592	
9,500.0	7,842.7	9,470.8	7,751.9	42.1	44.8	74.61	1,753.1	1,447.8	342.4	264.6	77.76	4.403	
9,600.0	7,842.5	9,570.8	7,751.7	43.6	46.2	74.61	1,853.1	1,448.1	342.4	261.4	81.00	4.227	
9,700.0	7,842.3	9,670.8	7,751.5	45.2	47.6	74.62	1,953.1	1,448.4	342.4	258.1	84.29	4.062	
9,800.0	7,842.1	9,770.8	7,751.3	46.8	49.1	74.62	2,053.1	1,448.8	342.4	254.8	87.60	3.908	
9,900.0	7,841.9	9,870.8	7,751.1	48.4	50.7	74.62	2,153.1	1,449.1	342.4	251.4	90.95	3.765	
10,000.0	7,841.7	9,970.8	7,750.9	50.1	52.2	74.62	2,253.1	1,449.5	342.4	248.1	94.33	3.630	
10,100.0	7,841.5	10,070.8	7,750.8	51.7	53.8	74.62	2,353.1	1,449.8	342.4	244.7	97.72	3.504	
10,200.0	7,841.3	10,170.8	7,750.6	53.4	55.4	74.63	2,453.1	1,450.1	342.4	241.2	101.15	3.385	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,841.1	10,270.8	7,750.4	55.1	57.0	74.63	2,553.1	1,450.5	342.4	237.8	104.59	3.274	
10,400.0	7,840.9	10,370.8	7,750.2	56.8	58.7	74.63	2,653.1	1,450.8	342.4	234.3	108.05	3.169	
10,500.0	7,840.7	10,470.8	7,750.0	58.6	60.3	74.63	2,753.1	1,451.1	342.4	230.8	111.52	3.070	
10,600.0	7,840.5	10,570.8	7,749.8	60.3	62.0	74.63	2,853.1	1,451.5	342.4	227.3	115.01	2.977	
10,700.0	7,840.3	10,670.8	7,749.6	62.0	63.7	74.64	2,953.1	1,451.8	342.4	223.8	118.51	2.889	
10,800.0	7,840.1	10,770.8	7,749.4	63.8	65.4	74.64	3,053.1	1,452.2	342.3	220.3	122.03	2.805	
10,900.0	7,839.9	10,870.8	7,749.3	65.6	67.1	74.64	3,153.1	1,452.5	342.3	216.8	125.56	2.727	
11,000.0	7,839.7	10,970.8	7,749.1	67.3	68.8	74.64	3,253.1	1,452.8	342.3	213.2	129.10	2.652	
11,100.0	7,839.5	11,070.8	7,748.9	69.1	70.6	74.64	3,353.1	1,453.2	342.3	209.7	132.64	2.581	
11,200.0	7,839.4	11,170.8	7,748.7	70.9	72.3	74.65	3,453.1	1,453.5	342.3	206.1	136.20	2.513	
11,300.0	7,839.2	11,270.8	7,748.5	72.7	74.1	74.65	3,553.1	1,453.9	342.3	202.6	139.76	2.449	
11,400.0	7,839.0	11,370.8	7,748.3	74.5	75.9	74.65	3,653.1	1,454.2	342.3	199.0	143.34	2.388	
11,500.0	7,838.8	11,470.8	7,748.1	76.3	77.6	74.65	3,753.1	1,454.5	342.3	195.4	146.92	2.330	
11,600.0	7,838.6	11,570.8	7,748.0	78.1	79.4	74.65	3,853.1	1,454.9	342.3	191.8	150.50	2.274	
11,700.0	7,838.4	11,670.8	7,747.8	79.9	81.2	74.66	3,953.1	1,455.2	342.3	188.2	154.09	2.221	
11,800.0	7,838.2	11,770.8	7,747.6	81.8	83.0	74.66	4,053.1	1,455.5	342.3	184.6	157.69	2.171	
11,900.0	7,838.0	11,870.8	7,747.4	83.6	84.8	74.66	4,153.1	1,455.9	342.3	181.0	161.29	2.122	
12,000.0	7,837.8	11,970.8	7,747.2	85.4	86.6	74.66	4,253.1	1,456.2	342.3	177.4	164.90	2.076	
12,100.0	7,837.6	12,070.8	7,747.0	87.3	88.4	74.66	4,353.1	1,456.6	342.3	173.8	168.51	2.031	
12,200.0	7,837.4	12,170.8	7,746.8	89.1	90.2	74.66	4,453.1	1,456.9	342.3	170.2	172.13	1.989	
12,300.0	7,837.2	12,270.8	7,746.7	90.9	92.0	74.67	4,553.1	1,457.2	342.3	166.5	175.75	1.948	
12,400.0	7,837.0	12,370.8	7,746.5	92.8	93.8	74.67	4,653.1	1,457.6	342.3	162.9	179.37	1.908	
12,500.0	7,836.8	12,470.8	7,746.3	94.6	95.6	74.67	4,753.1	1,457.9	342.3	159.3	183.00	1.870	
12,600.0	7,836.6	12,570.8	7,746.1	96.5	97.5	74.67	4,853.1	1,458.2	342.3	155.6	186.63	1.834	
12,700.0	7,836.4	12,670.8	7,745.9	98.3	99.3	74.67	4,953.1	1,458.6	342.3	152.0	190.27	1.799	
12,800.0	7,836.2	12,770.8	7,745.7	100.2	101.1	74.68	5,053.1	1,458.9	342.3	148.3	193.91	1.765	
12,900.0	7,836.0	12,870.8	7,745.5	102.0	103.0	74.68	5,153.1	1,459.3	342.3	144.7	197.55	1.733	
13,000.0	7,835.8	12,970.8	7,745.4	103.9	104.8	74.68	5,253.1	1,459.6	342.2	141.1	201.19	1.701	
13,100.0	7,835.6	13,070.8	7,745.2	105.7	106.6	74.68	5,353.1	1,459.9	342.2	137.4	204.84	1.671	
13,200.0	7,835.4	13,170.8	7,745.0	107.6	108.5	74.68	5,453.1	1,460.3	342.2	133.8	208.48	1.642	
13,300.0	7,835.2	13,270.8	7,744.8	109.5	110.3	74.69	5,553.1	1,460.6	342.2	130.1	212.14	1.613	
13,400.0	7,835.0	13,370.8	7,744.6	111.3	112.2	74.69	5,653.1	1,461.0	342.2	126.4	215.79	1.586	
13,500.0	7,834.8	13,470.8	7,744.4	113.2	114.0	74.69	5,753.1	1,461.3	342.2	122.8	219.44	1.560	
13,600.0	7,834.6	13,570.8	7,744.2	115.1	115.9	74.69	5,853.1	1,461.6	342.2	119.1	223.10	1.534	
13,700.0	7,834.4	13,670.8	7,744.1	116.9	117.7	74.69	5,953.1	1,462.0	342.2	115.5	226.76	1.509	
13,800.0	7,834.2	13,770.8	7,743.9	118.8	119.6	74.70	6,053.1	1,462.3	342.2	111.8	230.42	1.485	Level 3
13,900.0	7,834.0	13,870.8	7,743.7	120.7	121.5	74.70	6,153.1	1,462.6	342.2	108.1	234.08	1.462	Level 3
14,000.0	7,833.8	13,970.8	7,743.5	122.5	123.3	74.70	6,253.1	1,463.0	342.2	104.5	237.75	1.439	Level 3
14,100.0	7,833.6	14,070.8	7,743.3	124.4	125.2	74.70	6,353.1	1,463.3	342.2	100.8	241.41	1.417	Level 3
14,200.0	7,833.4	14,170.8	7,743.1	126.3	127.0	74.70	6,453.1	1,463.7	342.2	97.1	245.08	1.396	Level 3
14,300.0	7,833.2	14,270.8	7,742.9	128.2	128.9	74.71	6,553.1	1,464.0	342.2	93.4	248.75	1.376	Level 3
14,400.0	7,833.0	14,370.8	7,742.8	130.1	130.8	74.71	6,653.1	1,464.3	342.2	89.8	252.42	1.356	Level 3
14,500.0	7,832.8	14,470.8	7,742.6	131.9	132.6	74.71	6,753.1	1,464.7	342.2	86.1	256.09	1.336	Level 3
14,600.0	7,832.6	14,570.8	7,742.4	133.8	134.5	74.71	6,853.1	1,465.0	342.2	82.4	259.76	1.317	Level 3
14,700.0	7,832.4	14,670.8	7,742.2	135.7	136.4	74.71	6,953.1	1,465.4	342.2	78.7	263.44	1.299	Level 3
14,800.0	7,832.2	14,770.8	7,742.0	137.6	138.3	74.72	7,053.1	1,465.7	342.2	75.1	267.11	1.281	Level 3
14,900.0	7,832.0	14,870.8	7,741.8	139.5	140.1	74.72	7,153.1	1,466.0	342.2	71.4	270.79	1.264	Level 3
15,000.0	7,831.8	14,970.8	7,741.6	141.3	142.0	74.72	7,253.1	1,466.4	342.2	67.7	274.47	1.247	Level 2
15,100.0	7,831.6	15,070.8	7,741.5	143.2	143.9	74.72	7,353.1	1,466.7	342.2	64.0	278.14	1.230	Level 2
15,200.0	7,831.4	15,170.8	7,741.3	145.1	145.7	74.72	7,453.1	1,467.0	342.1	60.3	281.82	1.214	Level 2
15,300.0	7,831.2	15,270.8	7,741.1	147.0	147.6	74.73	7,553.1	1,467.4	342.1	56.6	285.50	1.198	Level 2
15,400.0	7,831.0	15,370.8	7,740.9	148.9	149.5	74.73	7,653.1	1,467.7	342.1	53.0	289.19	1.183	Level 2

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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

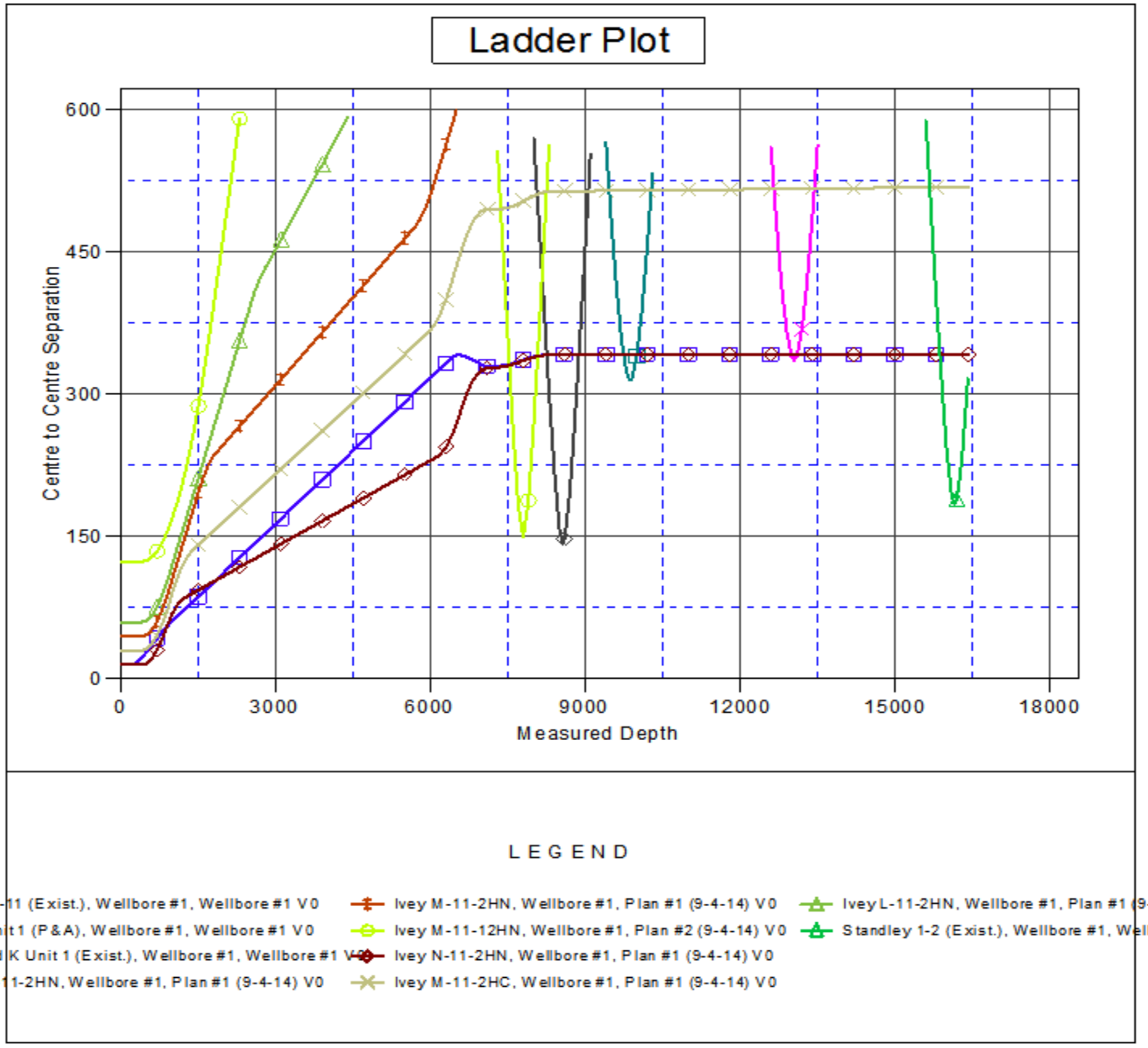
Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,500.0	7,830.8	15,470.8	7,740.7	150.8	151.4	74.73	7,753.1	1,468.1	342.1	49.3	292.87	1.168	Level 2
15,600.0	7,830.6	15,570.8	7,740.5	152.7	153.3	74.73	7,853.1	1,468.4	342.1	45.6	296.55	1.154	Level 2
15,700.0	7,830.4	15,670.8	7,740.3	154.5	155.1	74.73	7,953.1	1,468.7	342.1	41.9	300.23	1.140	Level 2
15,800.0	7,830.2	15,770.8	7,740.1	156.4	157.0	74.73	8,053.1	1,469.1	342.1	38.2	303.92	1.126	Level 2
15,900.0	7,830.0	15,870.8	7,740.0	158.3	158.9	74.74	8,153.1	1,469.4	342.1	34.5	307.60	1.112	Level 2
16,000.0	7,829.8	15,970.8	7,739.8	160.2	160.8	74.74	8,253.1	1,469.7	342.1	30.8	311.29	1.099	Level 2
16,100.0	7,829.6	16,070.8	7,739.6	162.1	162.7	74.74	8,353.1	1,470.1	342.1	27.1	314.98	1.086	Level 2
16,200.0	7,829.4	16,170.8	7,739.4	164.0	164.5	74.74	8,453.1	1,470.4	342.1	23.4	318.67	1.074	Level 2
16,300.0	7,829.2	16,270.8	7,739.2	165.9	166.4	74.74	8,553.1	1,470.8	342.1	19.7	322.35	1.061	Level 2
16,400.0	7,829.0	16,370.8	7,739.0	167.8	168.3	74.75	8,653.1	1,471.1	342.1	16.0	326.04	1.049	Level 2
16,416.7	7,829.0	16,387.5	7,739.0	168.1	168.6	74.75	8,669.8	1,471.2	342.1	15.5	326.60	1.047	Level 2, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 @ 5128.5ft (RKB - 22.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Ivey O-11-2HN
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.35°



Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey O-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5128.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey O-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 @ 5128.5ft (RKB - 22.5')	Coordinates are relative to: Ivey O-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°