Bayswater Exploration & Production, LLC

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

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

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

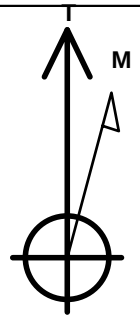
Ground Elevation: 5107.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1234283.30	3149805.06	39.975252	-104.965466	

RKB - 22.5' WELL @ 5129.5ft (RKB - 22.5')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1176'FSL, 1694'FEL, SEC.11	1.0	0.0	0.0	Point
BHL 465'FNL, 1510'FEL, SEC.2	7828.0	8669.6	211.0	Point
LANDING PT. 1785'FSL,1510'FEL, SEC.11	7844.0	608.7	183.8	Point



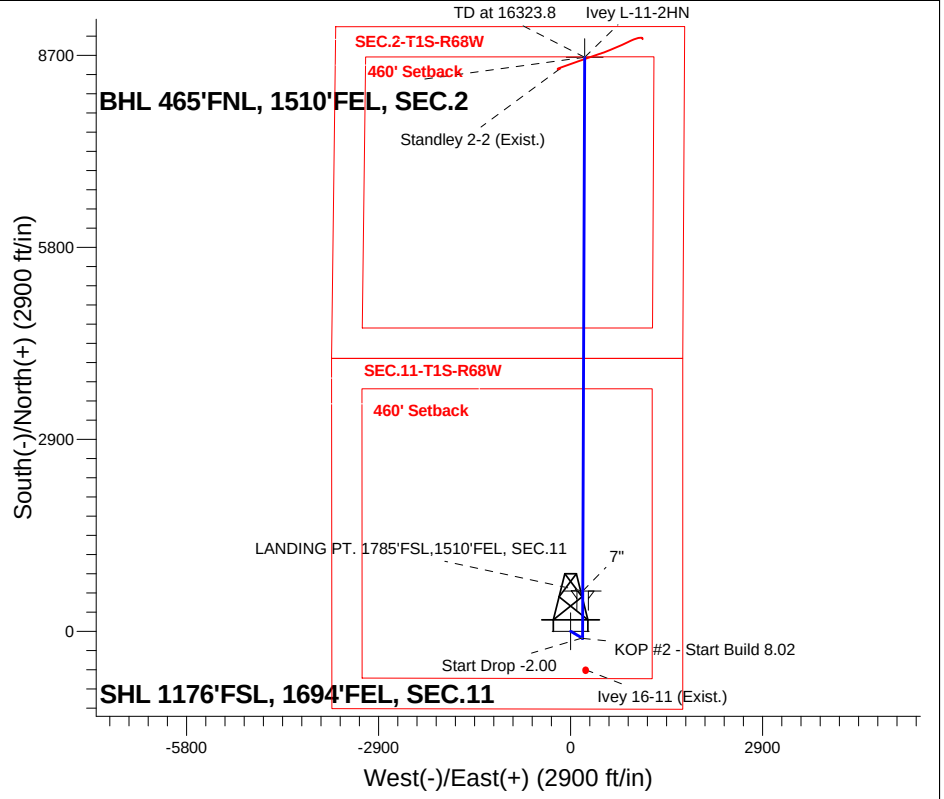
Azimuths to True North
Magnetic North: 8.52°

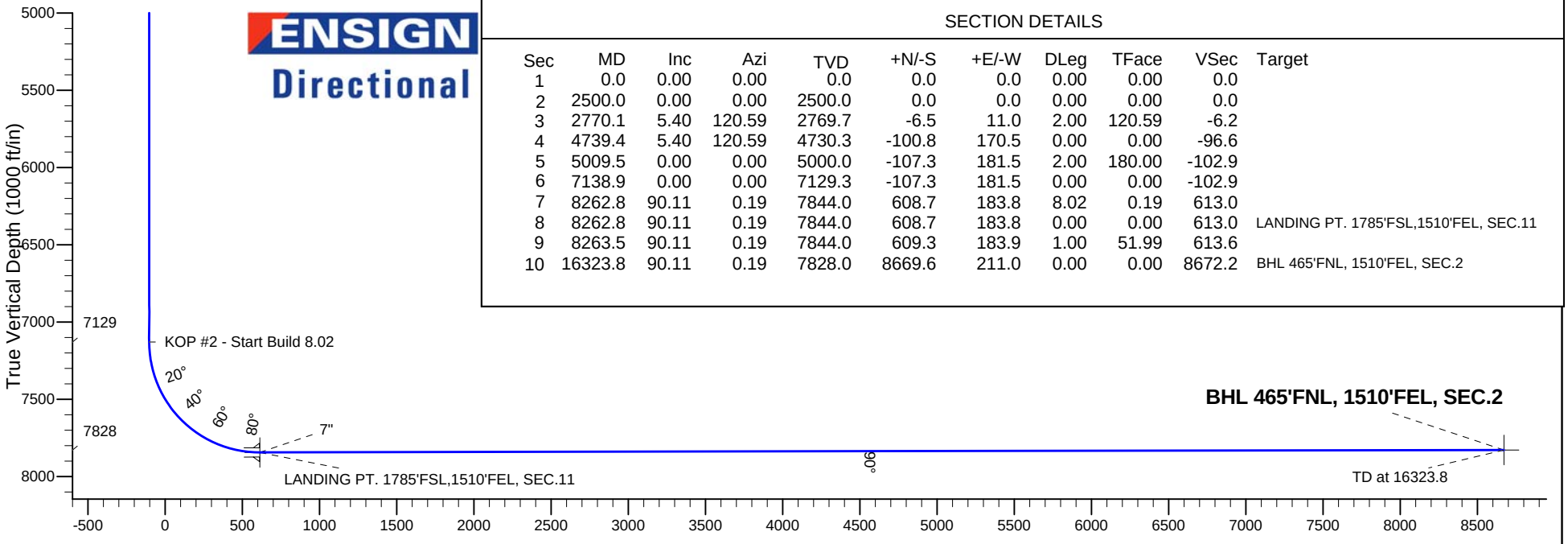
Magnetic Field
Strength: 52561.0snT
Dip Angle: 66.57°
Date: 7/10/2014
Model: IGRF2010

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

ANNOTATIONS

TVD	MD	Annotation
2500.0	2500.0	KOP - Start Build 2.00
4730.3	4739.4	Start Drop -2.00
7129.4	7138.9	KOP #2 - Start Build 8.02
7828.0	16323.8	TD at 16323.8





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	2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	
3	2770.1	5.40	120.59	2769.7	-6.5	11.0	2.00	120.59	-6.2	
4	4739.4	5.40	120.59	4730.3	-100.8	170.5	0.00	0.00	-96.6	
5	5009.5	0.00	0.00	5000.0	-107.3	181.5	2.00	180.00	-102.9	
6	7138.9	0.00	0.00	7129.3	-107.3	181.5	0.00	0.00	-102.9	
7	8262.8	90.11	0.19	7844.0	608.7	183.8	8.02	0.19	613.0	
8	8262.8	90.11	0.19	7844.0	608.7	183.8	0.00	0.00	613.0	LANDING PT. 1785'FSL,1510'FEL, SEC.11
9	8263.5	90.11	0.19	7844.0	609.3	183.9	1.00	51.99	613.6	
10	16323.8	90.11	0.19	7828.0	8669.6	211.0	0.00	0.00	8672.2	BHL 465'FNL, 1510'FEL, SEC.2

ENSIGN
Directional

Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W
Ivey Pad Sec.11-T1S-R68W
Ivey L-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 L-11-2HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey L-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 L-11-2HN

Well Position	**+N/-S**	0.0 ft	**Northing:**	1,234,283.30 ft	**Latitude:**	39.975252
	+E/-W	0.0 ft	**Easting:**	3,149,805.06 ft	**Longitude:**	-104.965466
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,107.0 ft

Wellbore Wellbore #1

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

Design Plan #1 (9-4-14)

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	1.39

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,770.1	5.40	120.59	2,769.7	-6.5	11.0	2.00	2.00	0.00	120.59	
4,739.4	5.40	120.59	4,730.3	-100.8	170.5	0.00	0.00	0.00	0.00	
5,009.5	0.00	0.00	5,000.0	-107.3	181.5	2.00	-2.00	0.00	180.00	
7,138.9	0.00	0.00	7,129.3	-107.3	181.5	0.00	0.00	0.00	0.00	
8,262.8	90.11	0.19	7,844.0	608.7	183.8	8.02	8.02	0.00	0.19	
8,262.8	90.11	0.19	7,844.0	608.7	183.8	0.00	0.00	0.00	0.00	LANDING PT. 1785
8,263.5	90.11	0.19	7,844.0	609.3	183.9	1.00	0.62	0.79	51.99	
16,323.8	90.11	0.19	7,828.0	8,669.6	211.0	0.00	0.00	0.00	0.00	BHL 465'FNL, 1510

Database:	landmark	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
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Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey L-11-2HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (9-4-14)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.00									
2,600.0	2.00	120.59	2,600.0	-0.9	1.5	-0.9	2.00	2.00	0.00
2,700.0	4.00	120.59	2,699.8	-3.6	6.0	-3.4	2.00	2.00	0.00
2,770.1	5.40	120.59	2,769.7	-6.5	11.0	-6.2	2.00	2.00	0.00
2,800.0	5.40	120.59	2,799.5	-7.9	13.4	-7.6	0.00	0.00	0.00
2,900.0	5.40	120.59	2,899.0	-12.7	21.5	-12.2	0.00	0.00	0.00
3,000.0	5.40	120.59	2,998.6	-17.5	29.6	-16.8	0.00	0.00	0.00
3,100.0	5.40	120.59	3,098.1	-22.3	37.7	-21.4	0.00	0.00	0.00
3,200.0	5.40	120.59	3,197.7	-27.1	45.8	-25.9	0.00	0.00	0.00
3,300.0	5.40	120.59	3,297.2	-31.9	53.9	-30.5	0.00	0.00	0.00
3,400.0	5.40	120.59	3,396.8	-36.7	62.0	-35.1	0.00	0.00	0.00
3,500.0	5.40	120.59	3,496.4	-41.4	70.1	-39.7	0.00	0.00	0.00
3,600.0	5.40	120.59	3,595.9	-46.2	78.2	-44.3	0.00	0.00	0.00
3,700.0	5.40	120.59	3,695.5	-51.0	86.3	-48.9	0.00	0.00	0.00
3,800.0	5.40	120.59	3,795.0	-55.8	94.4	-53.5	0.00	0.00	0.00
3,900.0	5.40	120.59	3,894.6	-60.6	102.5	-58.1	0.00	0.00	0.00
4,000.0	5.40	120.59	3,994.1	-65.4	110.6	-62.7	0.00	0.00	0.00
4,100.0	5.40	120.59	4,093.7	-70.2	118.7	-67.3	0.00	0.00	0.00
4,200.0	5.40	120.59	4,193.2	-75.0	126.8	-71.9	0.00	0.00	0.00
4,300.0	5.40	120.59	4,292.8	-79.8	134.9	-76.5	0.00	0.00	0.00
4,400.0	5.40	120.59	4,392.4	-84.6	143.0	-81.1	0.00	0.00	0.00
4,500.0	5.40	120.59	4,491.9	-89.4	151.1	-85.7	0.00	0.00	0.00
4,600.0	5.40	120.59	4,591.5	-94.1	159.2	-90.2	0.00	0.00	0.00
4,700.0	5.40	120.59	4,691.0	-98.9	167.4	-94.8	0.00	0.00	0.00
4,739.4	5.40	120.59	4,730.3	-100.8	170.5	-96.6	0.00	0.00	0.00
Start Drop -2.00									
4,800.0	4.19	120.59	4,790.6	-103.4	174.9	-99.1	2.00	-2.00	0.00
4,900.0	2.19	120.59	4,890.5	-106.2	179.7	-101.8	2.00	-2.00	0.00

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Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey L-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)
5,000.0	0.19	120.59	4,990.5	-107.3	181.5	-102.8	2.00	-2.00	0.00
5,009.5	0.00	0.00	5,000.0	-107.3	181.5	-102.9	2.00	-2.00	0.00
5,100.0	0.00	0.00	5,090.5	-107.3	181.5	-102.9	0.00	0.00	0.00
5,200.0	0.00	0.00	5,190.5	-107.3	181.5	-102.9	0.00	0.00	0.00
5,300.0	0.00	0.00	5,290.5	-107.3	181.5	-102.9	0.00	0.00	0.00
5,400.0	0.00	0.00	5,390.5	-107.3	181.5	-102.9	0.00	0.00	0.00
5,500.0	0.00	0.00	5,490.5	-107.3	181.5	-102.9	0.00	0.00	0.00
5,600.0	0.00	0.00	5,590.5	-107.3	181.5	-102.9	0.00	0.00	0.00
5,700.0	0.00	0.00	5,690.5	-107.3	181.5	-102.9	0.00	0.00	0.00
5,800.0	0.00	0.00	5,790.5	-107.3	181.5	-102.9	0.00	0.00	0.00
5,900.0	0.00	0.00	5,890.5	-107.3	181.5	-102.9	0.00	0.00	0.00
6,000.0	0.00	0.00	5,990.5	-107.3	181.5	-102.9	0.00	0.00	0.00
6,100.0	0.00	0.00	6,090.5	-107.3	181.5	-102.9	0.00	0.00	0.00
6,200.0	0.00	0.00	6,190.5	-107.3	181.5	-102.9	0.00	0.00	0.00
6,300.0	0.00	0.00	6,290.5	-107.3	181.5	-102.9	0.00	0.00	0.00
6,400.0	0.00	0.00	6,390.5	-107.3	181.5	-102.9	0.00	0.00	0.00
6,500.0	0.00	0.00	6,490.5	-107.3	181.5	-102.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,590.5	-107.3	181.5	-102.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,690.5	-107.3	181.5	-102.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,790.5	-107.3	181.5	-102.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,890.5	-107.3	181.5	-102.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,990.5	-107.3	181.5	-102.9	0.00	0.00	0.00
7,100.0	0.00	0.00	7,090.5	-107.3	181.5	-102.9	0.00	0.00	0.00
7,138.9	0.00	0.00	7,129.4	-107.3	181.5	-102.9	0.00	0.00	0.00
KOP #2 - Start Build 8.02									
7,200.0	4.90	0.19	7,190.4	-104.7	181.5	-100.2	8.02	8.02	0.00
7,300.0	12.92	0.19	7,289.1	-89.2	181.6	-84.8	8.02	8.02	0.00
7,400.0	20.93	0.19	7,384.7	-60.1	181.7	-55.7	8.02	8.02	0.00
7,500.0	28.95	0.19	7,475.3	-18.0	181.8	-13.6	8.02	8.02	0.00
7,600.0	36.97	0.19	7,559.1	36.4	182.0	40.8	8.02	8.02	0.00
7,700.0	44.99	0.19	7,634.6	101.9	182.2	106.3	8.02	8.02	0.00
7,800.0	53.00	0.19	7,700.1	177.3	182.4	181.7	8.02	8.02	0.00
7,900.0	61.02	0.19	7,754.5	261.1	182.7	265.5	8.02	8.02	0.00
8,000.0	69.04	0.19	7,796.7	351.7	183.0	356.0	8.02	8.02	0.00
8,100.0	77.05	0.19	7,825.8	447.3	183.3	451.6	8.02	8.02	0.00
8,200.0	85.07	0.19	7,841.4	546.0	183.6	550.3	8.02	8.02	0.00
8,262.8	90.11	0.19	7,844.0	608.7	183.8	613.0	8.02	8.02	0.00
7"									
8,263.5	90.11	0.19	7,844.0	609.3	183.9	613.6	1.33	1.11	0.73
8,300.0	90.11	0.19	7,843.9	645.9	184.0	650.2	0.00	0.00	0.00
8,400.0	90.11	0.19	7,843.7	745.9	184.3	750.1	0.00	0.00	0.00
8,500.0	90.11	0.19	7,843.5	845.9	184.6	850.1	0.00	0.00	0.00
8,600.0	90.11	0.19	7,843.3	945.9	185.0	950.1	0.00	0.00	0.00
8,700.0	90.11	0.19	7,843.1	1,045.9	185.3	1,050.1	0.00	0.00	0.00
8,800.0	90.11	0.19	7,842.9	1,145.9	185.7	1,150.1	0.00	0.00	0.00
8,900.0	90.11	0.19	7,842.7	1,245.9	186.0	1,250.0	0.00	0.00	0.00
9,000.0	90.11	0.19	7,842.5	1,345.9	186.3	1,350.0	0.00	0.00	0.00
9,100.0	90.11	0.19	7,842.3	1,445.9	186.7	1,450.0	0.00	0.00	0.00
9,200.0	90.11	0.19	7,842.1	1,545.9	187.0	1,550.0	0.00	0.00	0.00
9,300.0	90.11	0.19	7,841.9	1,645.9	187.3	1,649.9	0.00	0.00	0.00
9,400.0	90.11	0.19	7,841.7	1,745.9	187.7	1,749.9	0.00	0.00	0.00
9,500.0	90.11	0.19	7,841.5	1,845.9	188.0	1,849.9	0.00	0.00	0.00
9,600.0	90.11	0.19	7,841.3	1,945.9	188.3	1,949.9	0.00	0.00	0.00
9,700.0	90.11	0.19	7,841.1	2,045.9	188.7	2,049.9	0.00	0.00	0.00

Database:	landmark	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey L-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)
9,800.0	90.11	0.19	7,840.9	2,145.9	189.0	2,149.8	0.00	0.00	0.00
9,900.0	90.11	0.19	7,840.8	2,245.9	189.4	2,249.8	0.00	0.00	0.00
10,000.0	90.11	0.19	7,840.6	2,345.9	189.7	2,349.8	0.00	0.00	0.00
10,100.0	90.11	0.19	7,840.4	2,445.9	190.0	2,449.8	0.00	0.00	0.00
10,200.0	90.11	0.19	7,840.2	2,545.9	190.4	2,549.7	0.00	0.00	0.00
10,300.0	90.11	0.19	7,840.0	2,645.9	190.7	2,649.7	0.00	0.00	0.00
10,400.0	90.11	0.19	7,839.8	2,745.9	191.0	2,749.7	0.00	0.00	0.00
10,500.0	90.11	0.19	7,839.6	2,845.9	191.4	2,849.7	0.00	0.00	0.00
10,600.0	90.11	0.19	7,839.4	2,945.9	191.7	2,949.7	0.00	0.00	0.00
10,700.0	90.11	0.19	7,839.2	3,045.9	192.0	3,049.6	0.00	0.00	0.00
10,800.0	90.11	0.19	7,839.0	3,145.9	192.4	3,149.6	0.00	0.00	0.00
10,900.0	90.11	0.19	7,838.8	3,245.9	192.7	3,249.6	0.00	0.00	0.00
11,000.0	90.11	0.19	7,838.6	3,345.9	193.1	3,349.6	0.00	0.00	0.00
11,100.0	90.11	0.19	7,838.4	3,445.9	193.4	3,449.5	0.00	0.00	0.00
11,200.0	90.11	0.19	7,838.2	3,545.9	193.7	3,549.5	0.00	0.00	0.00
11,300.0	90.11	0.19	7,838.0	3,645.9	194.1	3,649.5	0.00	0.00	0.00
11,400.0	90.11	0.19	7,837.8	3,745.9	194.4	3,749.5	0.00	0.00	0.00
11,500.0	90.11	0.19	7,837.6	3,845.9	194.7	3,849.5	0.00	0.00	0.00
11,600.0	90.11	0.19	7,837.4	3,945.9	195.1	3,949.4	0.00	0.00	0.00
11,700.0	90.11	0.19	7,837.2	4,045.9	195.4	4,049.4	0.00	0.00	0.00
11,800.0	90.11	0.19	7,837.0	4,145.9	195.7	4,149.4	0.00	0.00	0.00
11,900.0	90.11	0.19	7,836.8	4,245.9	196.1	4,249.4	0.00	0.00	0.00
12,000.0	90.11	0.19	7,836.6	4,345.9	196.4	4,349.3	0.00	0.00	0.00
12,100.0	90.11	0.19	7,836.4	4,445.9	196.8	4,449.3	0.00	0.00	0.00
12,200.0	90.11	0.19	7,836.2	4,545.9	197.1	4,549.3	0.00	0.00	0.00
12,300.0	90.11	0.19	7,836.0	4,645.9	197.4	4,649.3	0.00	0.00	0.00
12,400.0	90.11	0.19	7,835.8	4,745.9	197.8	4,749.3	0.00	0.00	0.00
12,500.0	90.11	0.19	7,835.6	4,845.9	198.1	4,849.2	0.00	0.00	0.00
12,600.0	90.11	0.19	7,835.4	4,945.8	198.4	4,949.2	0.00	0.00	0.00
12,700.0	90.11	0.19	7,835.2	5,045.8	198.8	5,049.2	0.00	0.00	0.00
12,800.0	90.11	0.19	7,835.0	5,145.8	199.1	5,149.2	0.00	0.00	0.00
12,900.0	90.11	0.19	7,834.8	5,245.8	199.4	5,249.1	0.00	0.00	0.00
13,000.0	90.11	0.19	7,834.6	5,345.8	199.8	5,349.1	0.00	0.00	0.00
13,100.0	90.11	0.19	7,834.4	5,445.8	200.1	5,449.1	0.00	0.00	0.00
13,200.0	90.11	0.19	7,834.2	5,545.8	200.5	5,549.1	0.00	0.00	0.00
13,300.0	90.11	0.19	7,834.0	5,645.8	200.8	5,649.1	0.00	0.00	0.00
13,400.0	90.11	0.19	7,833.8	5,745.8	201.1	5,749.0	0.00	0.00	0.00
13,500.0	90.11	0.19	7,833.6	5,845.8	201.5	5,849.0	0.00	0.00	0.00
13,600.0	90.11	0.19	7,833.4	5,945.8	201.8	5,949.0	0.00	0.00	0.00
13,700.0	90.11	0.19	7,833.2	6,045.8	202.1	6,049.0	0.00	0.00	0.00
13,800.0	90.11	0.19	7,833.0	6,145.8	202.5	6,148.9	0.00	0.00	0.00
13,900.0	90.11	0.19	7,832.8	6,245.8	202.8	6,248.9	0.00	0.00	0.00
14,000.0	90.11	0.19	7,832.6	6,345.8	203.1	6,348.9	0.00	0.00	0.00
14,100.0	90.11	0.19	7,832.4	6,445.8	203.5	6,448.9	0.00	0.00	0.00
14,200.0	90.11	0.19	7,832.2	6,545.8	203.8	6,548.9	0.00	0.00	0.00
14,300.0	90.11	0.19	7,832.0	6,645.8	204.2	6,648.8	0.00	0.00	0.00
14,400.0	90.11	0.19	7,831.8	6,745.8	204.5	6,748.8	0.00	0.00	0.00
14,500.0	90.11	0.19	7,831.6	6,845.8	204.8	6,848.8	0.00	0.00	0.00
14,600.0	90.11	0.19	7,831.4	6,945.8	205.2	6,948.8	0.00	0.00	0.00
14,700.0	90.11	0.19	7,831.2	7,045.8	205.5	7,048.7	0.00	0.00	0.00
14,800.0	90.11	0.19	7,831.0	7,145.8	205.8	7,148.7	0.00	0.00	0.00
14,900.0	90.11	0.19	7,830.8	7,245.8	206.2	7,248.7	0.00	0.00	0.00
15,000.0	90.11	0.19	7,830.6	7,345.8	206.5	7,348.7	0.00	0.00	0.00
15,100.0	90.11	0.19	7,830.4	7,445.8	206.8	7,448.7	0.00	0.00	0.00

Database:	landmark	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey L-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)
15,200.0	90.11	0.19	7,830.2	7,545.8	207.2	7,548.6	0.00	0.00	0.00
15,300.0	90.11	0.19	7,830.0	7,645.8	207.5	7,648.6	0.00	0.00	0.00
15,400.0	90.11	0.19	7,829.8	7,745.8	207.9	7,748.6	0.00	0.00	0.00
15,500.0	90.11	0.19	7,829.6	7,845.8	208.2	7,848.6	0.00	0.00	0.00
15,600.0	90.11	0.19	7,829.4	7,945.8	208.5	7,948.5	0.00	0.00	0.00
15,700.0	90.11	0.19	7,829.2	8,045.8	208.9	8,048.5	0.00	0.00	0.00
15,800.0	90.11	0.19	7,829.0	8,145.8	209.2	8,148.5	0.00	0.00	0.00
15,900.0	90.11	0.19	7,828.8	8,245.8	209.5	8,248.5	0.00	0.00	0.00
16,000.0	90.11	0.19	7,828.6	8,345.8	209.9	8,348.5	0.00	0.00	0.00
16,100.0	90.11	0.19	7,828.4	8,445.8	210.2	8,448.4	0.00	0.00	0.00
16,200.0	90.11	0.19	7,828.2	8,545.8	210.5	8,548.4	0.00	0.00	0.00
16,300.0	90.11	0.19	7,828.0	8,645.8	210.9	8,648.4	0.00	0.00	0.00
16,323.8	90.11	0.19	7,828.0	8,669.6	211.0	8,672.2	0.00	0.00	0.00
TD at 16323.8									

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
SHL 1176'FSL, 1694'F - plan hits target - Point	0.00	0.00	1.0	0.0	0.0	1,234,283.31	3,149,805.06	39.975252	-104.965466
LANDING PT. 1785'FS - plan hits target - Point	0.00	0.00	7,844.0	608.7	183.8	1,234,893.11	3,149,985.23	39.976923	-104.964810
BHL 465'FNL, 1510'FE - plan hits target - Point	0.00	0.00	7,828.0	8,669.6	211.0	1,242,953.77	3,149,963.75	39.999051	-104.964713
SHL 1175'FSL, 1619' - plan misses by 75.1ft at 2.0ft MD (2.0 TVD, 0.0 N, 0.0 E) - Point	0.00	0.00	2.0	-0.7	75.1	1,234,283.03	3,149,880.17	39.975250	-104.965198

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
8,262.8	7,844.0	7"	7	7-1/2

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
2,500.0	2,500.0	0.0	0.0	KOP - Start Build 2.00
4,739.4	4,730.3	-100.8	170.5	Start Drop -2.00
7,138.9	7,129.4	-107.3	181.5	KOP #2 - Start Build 8.02
16,323.8	7,828.0	8,669.6	211.0	TD at 16323.8

ENSIGN
Directional

Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W
Ivey Pad Sec.11-T1S-R68W
Ivey L-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 L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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** 9/5/2014

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	16,323.8	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 16-11 (Exist.) - Wellbore #1 - Wellbore #1	5,041.9	5,002.8	474.5	363.3	4.267	CC
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	7,108.8	7,069.8	474.6	317.7	3.025	ES
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	7,200.0	7,160.9	477.1	318.8	3.013	SF
Standley 2-2 (Exist.) - Wellbore #1 - Wellbore #1	16,143.3	8,046.4	384.3	44.7	1.132	Level 2, CC, ES, SF
Ivey Pad Sec.11-T1S-R68W						
Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,166.3	1,167.3	75.2	70.2	14.984	CC
Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,300.0	1,300.4	75.6	70.0	13.480	ES
Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,500.0	1,498.3	79.9	73.4	12.344	SF
Ivey I-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	1,566.3	1,567.3	45.3	38.5	6.648	CC
Ivey I-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	1,600.0	1,601.0	45.3	38.4	6.503	ES
Ivey I-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	1,700.0	1,700.0	46.1	38.7	6.231	SF
Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,366.3	1,367.3	60.1	54.1	10.145	CC
Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,400.0	1,401.0	60.1	54.0	9.893	ES
Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,600.0	1,599.0	63.2	56.2	9.120	SF
Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,766.3	1,767.3	30.2	22.4	3.907	CC
Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,800.0	1,801.0	30.2	22.3	3.832	ES
Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,900.0	1,900.4	31.1	22.8	3.741	SF
Ivey K-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	2,000.0	2,000.0	15.1	6.3	1.720	CC
Ivey K-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	16,323.8	16,323.1	330.0	-3.6	0.989	Level 1, ES, SF
Ivey M-11-12HN - Wellbore #1 - Plan #2 (9-4-14)	966.3	967.3	90.3	86.2	21.913	CC
Ivey M-11-12HN - Wellbore #1 - Plan #2 (9-4-14)	1,000.0	1,001.0	90.3	86.0	21.137	ES
Ivey M-11-12HN - Wellbore #1 - Plan #2 (9-4-14)	7,700.0	8,956.1	153.6	111.1	3.616	SF
Ivey M-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	1,000.0	999.0	30.0	25.7	7.026	CC, ES
Ivey M-11-2HC - Wellbore #1 - Plan #1 (9-4-14)	16,323.8	16,496.4	519.7	200.1	1.626	SF
Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,500.0	1,500.0	15.1	8.6	2.323	CC, ES
Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	16,323.8	16,252.8	342.1	17.8	1.055	Level 2, SF
Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	800.0	799.0	45.1	41.8	13.394	CC, ES
Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	1,000.0	995.6	51.9	47.7	12.278	SF
Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	400.0	399.0	60.0	58.4	38.177	CC, ES
Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	800.0	788.4	87.0	83.7	25.964	SF
Ivey P-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	200.0	199.0	75.1	74.4	111.769	CC, ES
Ivey P-11-2HN - Wellbore #1 - Plan #1 (9-4-14)	2,500.0	2,425.6	526.3	511.8	36.228	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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 16-11 (Exist.) - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 8250-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
3,000.0	2,998.6	2,969.1	2,969.1	6.5	59.4	40.10	-579.6	227.9	596.0	530.3	65.70	9.072	
3,100.0	3,098.1	3,068.6	3,068.6	6.7	61.4	40.69	-579.6	227.9	588.9	521.0	67.89	8.673	
3,200.0	3,197.7	3,168.2	3,168.2	6.9	63.4	41.30	-579.6	227.9	581.7	511.6	70.09	8.300	
3,300.0	3,297.2	3,267.7	3,267.7	7.2	65.4	41.92	-579.6	227.9	574.7	502.4	72.29	7.949	
3,400.0	3,396.8	3,367.3	3,367.3	7.4	67.3	42.55	-579.6	227.9	567.7	493.2	74.50	7.620	
3,500.0	3,496.4	3,466.9	3,466.9	7.6	69.3	43.20	-579.6	227.9	560.8	484.1	76.71	7.311	
3,600.0	3,595.9	3,566.4	3,566.4	7.9	71.3	43.86	-579.6	227.9	553.9	475.0	78.92	7.019	
3,700.0	3,695.5	3,666.0	3,666.0	8.1	73.3	44.54	-579.6	227.9	547.2	466.0	81.14	6.744	
3,800.0	3,795.0	3,765.5	3,765.5	8.3	75.3	45.24	-579.6	227.9	540.5	457.1	83.36	6.484	
3,900.0	3,894.6	3,865.1	3,865.1	8.6	77.3	45.96	-579.6	227.9	533.9	448.3	85.58	6.239	
4,000.0	3,994.1	3,964.6	3,964.6	8.8	79.3	46.69	-579.6	227.9	527.4	439.6	87.81	6.006	
4,100.0	4,093.7	4,064.2	4,064.2	9.1	81.3	47.44	-579.6	227.9	521.0	430.9	90.04	5.786	
4,200.0	4,193.2	4,163.7	4,163.7	9.3	83.3	48.21	-579.6	227.9	514.6	422.3	92.27	5.577	
4,300.0	4,292.8	4,263.3	4,263.3	9.6	85.3	49.00	-579.6	227.9	508.4	413.9	94.50	5.379	
4,400.0	4,392.4	4,362.9	4,362.9	9.9	87.3	49.81	-579.6	227.9	502.2	405.5	96.74	5.191	
4,500.0	4,491.9	4,462.4	4,462.4	10.1	89.2	50.64	-579.6	227.9	496.2	397.2	98.98	5.013	
4,600.0	4,591.5	4,562.0	4,562.0	10.4	91.2	51.49	-579.6	227.9	490.3	389.0	101.23	4.843	
4,700.0	4,691.0	4,661.5	4,661.5	10.6	93.2	52.36	-579.6	227.9	484.4	381.0	103.48	4.682	
4,800.0	4,790.6	4,761.1	4,761.1	10.9	95.2	53.14	-579.6	227.9	479.1	373.3	105.78	4.529	
4,900.0	4,890.5	4,861.0	4,861.0	11.1	97.2	53.62	-579.6	227.9	475.8	367.7	108.06	4.403	
5,000.0	4,990.5	4,961.0	4,961.0	11.3	99.2	53.80	-579.6	227.9	474.6	364.3	110.28	4.303	
5,041.9	5,032.3	5,002.8	5,002.8	11.4	100.1	53.81	-579.6	227.9	474.5	363.3	111.20	4.267	CC
5,100.0	5,090.5	5,061.0	5,061.0	11.5	101.2	174.39	-579.6	227.9	474.6	362.1	112.47	4.219	
5,200.0	5,190.5	5,161.0	5,161.0	11.7	103.2	174.39	-579.6	227.9	474.6	359.9	114.68	4.138	
5,300.0	5,290.5	5,261.0	5,261.0	11.9	105.2	174.39	-579.6	227.9	474.6	357.7	116.89	4.060	
5,400.0	5,390.5	5,361.0	5,361.0	12.1	107.2	174.39	-579.6	227.9	474.6	355.5	119.10	3.985	
5,500.0	5,490.5	5,461.0	5,461.0	12.3	109.2	174.39	-579.6	227.9	474.6	353.2	121.31	3.912	
5,600.0	5,590.5	5,561.0	5,561.0	12.5	111.2	174.39	-579.6	227.9	474.6	351.0	123.51	3.842	
5,700.0	5,690.5	5,661.0	5,661.0	12.7	113.2	174.39	-579.6	227.9	474.6	348.8	125.72	3.775	
5,800.0	5,790.5	5,761.0	5,761.0	12.9	115.2	174.39	-579.6	227.9	474.6	346.6	127.94	3.709	
5,900.0	5,890.5	5,861.0	5,861.0	13.1	117.2	174.39	-579.6	227.9	474.6	344.4	130.15	3.646	
6,000.0	5,990.5	5,961.0	5,961.0	13.3	119.2	174.39	-579.6	227.9	474.6	342.2	132.36	3.585	
6,100.0	6,090.5	6,061.0	6,061.0	13.5	121.2	174.39	-579.6	227.9	474.6	340.0	134.57	3.526	
6,200.0	6,190.5	6,161.0	6,161.0	13.8	123.2	174.39	-579.6	227.9	474.6	337.8	136.78	3.469	
6,300.0	6,290.5	6,261.0	6,261.0	14.0	125.2	174.39	-579.6	227.9	474.6	335.6	138.99	3.414	
6,400.0	6,390.5	6,361.0	6,361.0	14.2	127.2	174.39	-579.6	227.9	474.6	333.3	141.21	3.361	
6,500.0	6,490.5	6,461.0	6,461.0	14.4	129.2	174.39	-579.6	227.9	474.6	331.1	143.42	3.309	
6,600.0	6,590.5	6,561.0	6,561.0	14.6	131.2	174.39	-579.6	227.9	474.6	328.9	145.63	3.258	
6,700.0	6,690.5	6,661.0	6,661.0	14.8	133.2	174.39	-579.6	227.9	474.6	326.7	147.85	3.210	
6,800.0	6,790.5	6,761.0	6,761.0	15.0	135.2	174.39	-579.6	227.9	474.6	324.5	150.06	3.162	
6,900.0	6,890.5	6,861.0	6,861.0	15.2	137.2	174.39	-579.6	227.9	474.6	322.3	152.28	3.116	
7,000.0	6,990.5	6,961.0	6,961.0	15.4	139.2	174.39	-579.6	227.9	474.6	320.1	154.49	3.072	
7,100.0	7,090.5	7,061.0	7,061.0	15.7	141.2	174.39	-579.6	227.9	474.6	317.8	156.71	3.028	
7,108.8	7,099.3	7,069.8	7,069.8	15.7	141.4	174.21	-579.6	227.9	474.6	317.7	156.90	3.025	ES
7,200.0	7,190.4	7,160.9	7,160.9	15.9	143.2	174.22	-579.6	227.9	477.1	318.8	158.35	3.013	SF
7,300.0	7,289.1	7,259.6	7,259.6	16.1	145.2	174.27	-579.6	227.9	492.5	335.4	157.14	3.134	
7,400.0	7,384.7	7,355.2	7,355.2	16.2	147.1	174.36	-579.6	227.9	521.5	368.7	152.79	3.413	
7,500.0	7,475.3	7,445.8	7,445.8	16.4	148.9	174.43	-579.6	227.9	563.5	418.2	145.30	3.878	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-11-2HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (9-4-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Standley 2-2 (Exist.) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 1159-UNKNOWN

Offset Well Error: 0.0 ft

Reference 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
15,700.0	7,829.2	8,044.1	7,818.6	154.9	226.9	-90.40	8,490.4	-173.9	586.7	255.1	331.57	1.769	
15,800.0	7,829.0	8,044.6	7,819.1	156.8	226.9	-90.48	8,490.4	-173.9	515.3	181.9	333.38	1.546	
15,900.0	7,828.8	8,045.1	7,819.6	158.7	226.9	-90.56	8,490.4	-173.9	454.8	119.6	335.19	1.357	Level 3
16,000.0	7,828.6	8,045.6	7,820.1	160.6	226.9	-90.64	8,490.5	-173.9	410.1	73.1	337.01	1.217	Level 2
16,100.0	7,828.4	8,046.2	7,820.6	162.6	226.9	-90.71	8,490.5	-173.9	386.7	47.9	338.82	1.141	Level 2
16,143.3	7,828.4	8,046.4	7,820.9	163.4	226.9	-90.75	8,490.5	-173.9	384.3	44.7	339.60	1.132	Level 2, CC, ES, SF
16,200.0	7,828.2	8,046.7	7,821.2	164.5	226.9	-90.79	8,490.5	-173.9	388.4	47.8	340.63	1.140	Level 2
16,300.0	7,828.0	8,047.2	7,821.7	166.4	226.8	-90.87	8,490.5	-173.9	415.0	72.5	342.44	1.212	Level 2
16,323.8	7,828.0	8,047.3	7,821.8	166.8	226.8	-90.89	8,490.5	-173.9	424.6	81.7	342.87	1.238	Level 2

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-11-2HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (9-4-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey H-11-2HN - Wellbore #1 - Plan #1 (9-4-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	-159.96	-70.7	-25.8	75.2	75.2	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-159.96	-70.7	-25.8	75.2	75.0	0.23	331.382	
200.0	200.0	201.0	201.0	0.3	0.3	-159.96	-70.7	-25.8	75.2	74.6	0.68	111.194	
300.0	300.0	301.0	301.0	0.6	0.6	-159.96	-70.7	-25.8	75.2	74.1	1.13	66.805	
400.0	400.0	401.0	401.0	0.8	0.8	-159.96	-70.7	-25.8	75.2	73.7	1.58	47.745	
500.0	500.0	501.0	501.0	1.0	1.0	-159.96	-70.7	-25.8	75.2	73.2	2.03	37.147	
600.0	600.0	601.0	601.0	1.2	1.2	-159.96	-70.7	-25.8	75.2	72.8	2.47	30.399	
700.0	700.0	701.0	701.0	1.5	1.5	-159.96	-70.7	-25.8	75.2	72.3	2.92	25.726	
800.0	800.0	801.0	801.0	1.7	1.7	-159.96	-70.7	-25.8	75.2	71.9	3.37	22.298	
900.0	900.0	901.0	901.0	1.9	1.9	-159.96	-70.7	-25.8	75.2	71.4	3.82	19.676	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-159.96	-70.7	-25.8	75.2	71.0	4.27	17.606	
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-159.96	-70.7	-25.8	75.2	70.5	4.72	15.930	
1,166.3	1,166.3	1,167.3	1,167.3	2.5	2.5	-159.96	-70.7	-25.8	75.2	70.2	5.02	14.984	CC
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-159.96	-70.7	-25.8	75.2	70.1	5.17	14.546	
1,300.0	1,300.0	1,300.4	1,300.4	2.8	2.8	-158.65	-70.4	-27.5	75.6	70.0	5.61	13.480	ES
1,400.0	1,400.0	1,400.0	1,399.8	3.0	3.0	-154.86	-69.6	-32.7	76.9	70.9	6.04	12.743	
1,500.0	1,500.0	1,498.3	1,497.8	3.3	3.2	-148.97	-68.4	-41.1	79.9	73.4	6.47	12.344	SF
1,600.0	1,600.0	1,596.3	1,595.1	3.5	3.5	-141.58	-66.6	-52.9	85.3	78.4	6.91	12.347	
1,700.0	1,700.0	1,693.4	1,691.0	3.7	3.7	-133.58	-64.4	-67.7	94.0	86.7	7.35	12.795	
1,800.0	1,800.0	1,789.4	1,785.2	3.9	4.0	-125.84	-61.8	-85.5	106.7	98.9	7.80	13.678	
1,900.0	1,900.0	1,886.5	1,880.2	4.2	4.3	-119.04	-58.8	-105.8	122.8	114.5	8.28	14.839	
2,000.0	2,000.0	1,984.2	1,975.7	4.4	4.7	-113.80	-55.7	-126.3	140.4	131.6	8.77	15.997	
2,100.0	2,100.0	2,082.0	2,071.2	4.6	5.1	-109.73	-52.7	-146.8	158.8	149.5	9.29	17.086	
2,200.0	2,200.0	2,179.7	2,166.7	4.8	5.4	-106.52	-49.6	-167.3	177.8	168.0	9.83	18.087	
2,300.0	2,300.0	2,277.4	2,262.2	5.1	5.8	-103.92	-46.6	-187.8	197.3	186.9	10.39	18.998	
2,400.0	2,400.0	2,375.1	2,357.7	5.3	6.2	-101.80	-43.5	-208.3	217.1	206.2	10.95	19.822	
2,500.0	2,500.0	2,472.9	2,453.2	5.5	6.6	-100.03	-40.5	-228.8	237.2	225.7	11.53	20.567	
2,600.0	2,600.0	2,570.2	2,548.4	5.7	7.1	140.84	-37.4	-249.2	258.8	247.3	11.49	22.529	
2,700.0	2,699.8	2,666.8	2,642.7	5.9	7.5	142.44	-34.4	-269.4	283.2	271.3	11.88	23.848	
2,800.0	2,799.5	2,762.5	2,736.2	6.1	7.9	144.18	-31.4	-289.5	310.5	298.3	12.26	25.327	
2,900.0	2,899.0	2,857.9	2,829.5	6.3	8.3	145.92	-28.4	-309.5	338.8	326.1	12.67	26.749	
3,000.0	2,998.6	2,953.4	2,922.8	6.5	8.7	147.40	-25.5	-329.5	367.3	354.2	13.08	28.085	
3,100.0	3,098.1	3,048.8	3,016.1	6.7	9.2	148.66	-22.5	-349.5	396.0	382.6	13.50	29.338	
3,200.0	3,197.7	3,144.3	3,109.3	6.9	9.6	149.76	-19.5	-369.6	424.9	411.0	13.93	30.515	
3,300.0	3,297.2	3,239.7	3,202.6	7.2	10.0	150.71	-16.5	-389.6	453.9	439.6	14.36	31.619	
3,400.0	3,396.8	3,335.1	3,295.9	7.4	10.4	151.55	-13.6	-409.6	483.0	468.2	14.79	32.656	
3,500.0	3,496.4	3,430.6	3,389.1	7.6	10.9	152.30	-10.6	-429.6	512.2	497.0	15.23	33.630	
3,600.0	3,595.9	3,526.0	3,482.4	7.9	11.3	152.96	-7.6	-449.6	541.5	525.8	15.67	34.546	
3,700.0	3,695.5	3,621.5	3,575.7	8.1	11.7	153.56	-4.6	-469.6	570.8	554.7	16.12	35.408	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-11-2HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (9-4-14)	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	-160.12	-42.6	-15.4	45.3	45.3	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-160.12	-42.6	-15.4	45.3	45.1	0.23	199.667	
200.0	200.0	201.0	201.0	0.3	0.3	-160.12	-42.6	-15.4	45.3	44.7	0.68	66.998	
300.0	300.0	301.0	301.0	0.6	0.6	-160.12	-42.6	-15.4	45.3	44.2	1.13	40.252	
400.0	400.0	401.0	401.0	0.8	0.8	-160.12	-42.6	-15.4	45.3	43.8	1.58	28.768	
500.0	500.0	501.0	501.0	1.0	1.0	-160.12	-42.6	-15.4	45.3	43.3	2.03	22.382	
600.0	600.0	601.0	601.0	1.2	1.2	-160.12	-42.6	-15.4	45.3	42.9	2.47	18.316	
700.0	700.0	701.0	701.0	1.5	1.5	-160.12	-42.6	-15.4	45.3	42.4	2.92	15.501	
800.0	800.0	801.0	801.0	1.7	1.7	-160.12	-42.6	-15.4	45.3	42.0	3.37	13.435	
900.0	900.0	901.0	901.0	1.9	1.9	-160.12	-42.6	-15.4	45.3	41.5	3.82	11.856	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-160.12	-42.6	-15.4	45.3	41.1	4.27	10.608	
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-160.12	-42.6	-15.4	45.3	40.6	4.72	9.598	
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-160.12	-42.6	-15.4	45.3	40.2	5.17	8.764	
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	-160.12	-42.6	-15.4	45.3	39.7	5.62	8.063	
1,400.0	1,400.0	1,401.0	1,401.0	3.0	3.0	-160.12	-42.6	-15.4	45.3	39.3	6.07	7.466	
1,500.0	1,500.0	1,501.0	1,501.0	3.3	3.3	-160.12	-42.6	-15.4	45.3	38.8	6.52	6.952	
1,566.3	1,566.3	1,567.3	1,567.3	3.4	3.4	-160.12	-42.6	-15.4	45.3	38.5	6.82	6.648	CC
1,600.0	1,600.0	1,601.0	1,601.0	3.5	3.5	-160.12	-42.6	-15.4	45.3	38.4	6.97	6.503	ES
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-158.16	-42.8	-17.2	46.1	38.7	7.40	6.231	SF
1,800.0	1,800.0	1,799.3	1,799.2	3.9	3.9	-152.75	-43.3	-22.3	48.8	40.9	7.82	6.233	
1,900.0	1,900.0	1,897.9	1,897.3	4.2	4.1	-145.11	-44.2	-30.8	54.0	45.7	8.25	6.545	
2,000.0	2,000.0	1,995.7	1,994.5	4.4	4.3	-136.82	-45.4	-42.6	62.5	53.9	8.68	7.209	
2,100.0	2,100.0	2,093.5	2,091.1	4.6	4.6	-129.24	-46.8	-57.3	74.7	65.6	9.12	8.193	
2,200.0	2,200.0	2,192.3	2,188.6	4.8	4.8	-123.59	-48.4	-72.9	88.4	78.8	9.57	9.232	
2,300.0	2,300.0	2,291.0	2,286.1	5.1	5.1	-119.48	-50.0	-88.4	102.6	92.6	10.04	10.224	
2,400.0	2,400.0	2,389.7	2,383.6	5.3	5.4	-116.37	-51.5	-103.9	117.3	106.8	10.52	11.152	
2,500.0	2,500.0	2,488.5	2,481.1	5.5	5.7	-113.96	-53.1	-119.5	132.2	121.2	11.01	12.011	
2,600.0	2,600.0	2,587.0	2,578.4	5.7	6.0	127.64	-54.7	-135.0	148.4	137.1	11.30	13.138	
2,700.0	2,699.8	2,684.9	2,675.1	5.9	6.3	130.25	-56.2	-150.4	167.0	155.3	11.68	14.296	
2,800.0	2,799.5	2,782.2	2,771.2	6.1	6.6	133.10	-57.7	-165.7	188.1	176.1	12.06	15.594	
2,900.0	2,899.0	2,879.3	2,867.0	6.3	7.0	135.72	-59.3	-180.9	210.3	197.8	12.46	16.872	
3,000.0	2,998.6	2,976.4	2,962.9	6.5	7.3	137.84	-60.8	-196.2	232.8	219.9	12.87	18.085	
3,100.0	3,098.1	3,073.5	3,058.8	6.7	7.6	139.59	-62.3	-211.5	255.6	242.3	13.29	19.233	
3,200.0	3,197.7	3,170.6	3,154.7	6.9	7.9	141.05	-63.9	-226.7	278.5	264.8	13.71	20.316	
3,300.0	3,297.2	3,267.7	3,250.6	7.2	8.3	142.29	-65.4	-242.0	301.6	287.5	14.14	21.336	
3,400.0	3,396.8	3,364.8	3,346.5	7.4	8.6	143.35	-67.0	-257.3	324.8	310.2	14.57	22.297	
3,500.0	3,496.4	3,461.9	3,442.4	7.6	9.0	144.27	-68.5	-272.6	348.1	333.1	15.00	23.203	
3,600.0	3,595.9	3,559.1	3,538.2	7.9	9.3	145.08	-70.0	-287.8	371.5	356.0	15.44	24.056	
3,700.0	3,695.5	3,656.2	3,634.1	8.1	9.6	145.79	-71.6	-303.1	394.9	379.0	15.88	24.860	
3,800.0	3,795.0	3,753.3	3,730.0	8.3	10.0	146.42	-73.1	-318.4	418.4	402.1	16.33	25.619	
3,900.0	3,894.6	3,850.4	3,825.9	8.6	10.3	146.98	-74.6	-333.6	441.9	425.1	16.78	26.336	
4,000.0	3,994.1	3,947.5	3,921.8	8.8	10.7	147.49	-76.2	-348.9	465.5	448.2	17.23	27.013	
4,100.0	4,093.7	4,044.6	4,017.7	9.1	11.0	147.94	-77.7	-364.2	489.1	471.4	17.69	27.653	
4,200.0	4,193.2	4,141.7	4,113.5	9.3	11.4	148.36	-79.2	-379.5	512.7	494.6	18.14	28.260	
4,300.0	4,292.8	4,238.8	4,209.4	9.6	11.7	148.74	-80.8	-394.7	536.3	517.7	18.60	28.834	
4,400.0	4,392.4	4,335.9	4,305.3	9.9	12.1	149.09	-82.3	-410.0	560.0	540.9	19.06	29.380	
4,500.0	4,491.9	4,433.0	4,401.2	10.1	12.5	149.41	-83.9	-425.3	583.7	564.2	19.52	29.897	

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 L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-11-2HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (9-4-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey I-11-2HN - Wellbore #1 - Plan #1 (9-4-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	-160.08	-56.5	-20.5	60.1	60.1	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-160.08	-56.5	-20.5	60.1	59.8	0.23	264.550	
200.0	200.0	201.0	201.0	0.3	0.3	-160.08	-56.5	-20.5	60.1	59.4	0.68	88.769	
300.0	300.0	301.0	301.0	0.6	0.6	-160.08	-56.5	-20.5	60.1	58.9	1.13	53.333	
400.0	400.0	401.0	401.0	0.8	0.8	-160.08	-56.5	-20.5	60.1	58.5	1.58	38.116	
500.0	500.0	501.0	501.0	1.0	1.0	-160.08	-56.5	-20.5	60.1	58.0	2.03	29.655	
600.0	600.0	601.0	601.0	1.2	1.2	-160.08	-56.5	-20.5	60.1	57.6	2.47	24.268	
700.0	700.0	701.0	701.0	1.5	1.5	-160.08	-56.5	-20.5	60.1	57.1	2.92	20.538	
800.0	800.0	801.0	801.0	1.7	1.7	-160.08	-56.5	-20.5	60.1	56.7	3.37	17.801	
900.0	900.0	901.0	901.0	1.9	1.9	-160.08	-56.5	-20.5	60.1	56.2	3.82	15.708	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-160.08	-56.5	-20.5	60.1	55.8	4.27	14.056	
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-160.08	-56.5	-20.5	60.1	55.3	4.72	12.718	
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-160.08	-56.5	-20.5	60.1	54.9	5.17	11.612	
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	-160.08	-56.5	-20.5	60.1	54.4	5.62	10.684	
1,366.3	1,366.3	1,367.3	1,367.3	3.0	3.0	-160.08	-56.5	-20.5	60.1	54.1	5.92	10.145	CC
1,400.0	1,400.0	1,401.0	1,401.0	3.0	3.0	-160.08	-56.5	-20.5	60.1	54.0	6.07	9.893	ES
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.2	-158.57	-56.6	-22.2	60.8	54.3	6.50	9.346	
1,600.0	1,600.0	1,599.0	1,598.9	3.5	3.4	-154.32	-56.9	-27.4	63.2	56.2	6.93	9.120	SF
1,700.0	1,700.0	1,697.4	1,696.9	3.7	3.7	-148.02	-57.4	-35.9	67.8	60.5	7.35	9.226	
1,800.0	1,800.0	1,795.2	1,793.9	3.9	3.9	-140.69	-58.2	-47.6	75.5	67.7	7.78	9.702	
1,900.0	1,900.0	1,892.0	1,889.5	4.2	4.1	-133.39	-59.1	-62.5	86.8	78.6	8.22	10.556	
2,000.0	2,000.0	1,988.7	1,984.6	4.4	4.4	-126.83	-60.2	-80.4	101.8	93.1	8.68	11.727	
2,100.0	2,100.0	2,086.8	2,080.9	4.6	4.7	-121.76	-61.4	-99.2	118.3	109.2	9.15	12.927	
2,200.0	2,200.0	2,185.0	2,177.3	4.8	5.0	-117.95	-62.6	-117.9	135.6	125.9	9.65	14.053	
2,300.0	2,300.0	2,283.1	2,273.6	5.1	5.4	-115.00	-63.7	-136.7	153.3	143.1	10.16	15.089	
2,400.0	2,400.0	2,381.3	2,369.9	5.3	5.7	-112.66	-64.9	-155.5	171.3	160.6	10.68	16.034	
2,500.0	2,500.0	2,479.4	2,466.3	5.5	6.1	-110.77	-66.1	-174.2	189.5	178.3	11.22	16.892	
2,600.0	2,600.0	2,577.3	2,562.3	5.7	6.5	130.26	-67.3	-192.9	209.1	197.7	11.35	18.424	
2,700.0	2,699.8	2,674.5	2,657.7	5.9	6.8	132.17	-68.4	-211.5	231.0	219.3	11.74	19.685	
2,800.0	2,799.5	2,770.9	2,752.3	6.1	7.2	134.32	-69.6	-229.9	255.6	243.5	12.12	21.081	
2,900.0	2,899.0	2,867.1	2,846.8	6.3	7.6	136.43	-70.7	-248.3	281.1	268.6	12.53	22.436	
3,000.0	2,998.6	2,963.3	2,941.2	6.5	8.0	138.19	-71.9	-266.7	306.9	293.9	12.94	23.715	
3,100.0	3,098.1	3,059.6	3,035.6	6.7	8.3	139.67	-73.0	-285.1	332.9	319.5	13.36	24.918	
3,200.0	3,197.7	3,155.8	3,130.1	6.9	8.7	140.94	-74.2	-303.5	359.1	345.3	13.79	26.049	
3,300.0	3,297.2	3,252.0	3,224.5	7.2	9.1	142.04	-75.3	-321.9	385.4	371.2	14.22	27.112	
3,400.0	3,396.8	3,348.2	3,318.9	7.4	9.5	143.00	-76.5	-340.3	411.9	397.3	14.65	28.111	
3,500.0	3,496.4	3,444.4	3,413.4	7.6	9.9	143.84	-77.6	-358.7	438.5	423.4	15.09	29.049	
3,600.0	3,595.9	3,540.7	3,507.8	7.9	10.3	144.59	-78.8	-377.1	465.1	449.6	15.54	29.932	
3,700.0	3,695.5	3,636.9	3,602.3	8.1	10.7	145.26	-79.9	-395.5	491.8	475.8	15.99	30.762	
3,800.0	3,795.0	3,733.1	3,696.7	8.3	11.1	145.85	-81.1	-413.9	518.6	502.1	16.44	31.544	
3,900.0	3,894.6	3,829.3	3,791.1	8.6	11.5	146.39	-82.2	-432.3	545.4	528.5	16.89	32.281	
4,000.0	3,994.1	3,925.5	3,885.6	8.8	11.9	146.88	-83.4	-450.7	572.2	554.9	17.35	32.977	
4,100.0	4,093.7	4,021.7	3,980.0	9.1	12.3	147.33	-84.5	-469.1	599.1	581.3	17.81	33.635	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-11-2HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (9-4-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	-160.45	-28.4	-10.1	30.2	30.2	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-160.45	-28.4	-10.1	30.2	29.9	0.23	132.840	
200.0	200.0	201.0	201.0	0.3	0.3	-160.45	-28.4	-10.1	30.2	29.5	0.68	44.574	
300.0	300.0	301.0	301.0	0.6	0.6	-160.45	-28.4	-10.1	30.2	29.0	1.13	26.780	
400.0	400.0	401.0	401.0	0.8	0.8	-160.45	-28.4	-10.1	30.2	28.6	1.58	19.140	
500.0	500.0	501.0	501.0	1.0	1.0	-160.45	-28.4	-10.1	30.2	28.1	2.03	14.891	
600.0	600.0	601.0	601.0	1.2	1.2	-160.45	-28.4	-10.1	30.2	27.7	2.47	12.186	
700.0	700.0	701.0	701.0	1.5	1.5	-160.45	-28.4	-10.1	30.2	27.2	2.92	10.313	
800.0	800.0	801.0	801.0	1.7	1.7	-160.45	-28.4	-10.1	30.2	26.8	3.37	8.939	
900.0	900.0	901.0	901.0	1.9	1.9	-160.45	-28.4	-10.1	30.2	26.3	3.82	7.888	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-160.45	-28.4	-10.1	30.2	25.9	4.27	7.058	
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-160.45	-28.4	-10.1	30.2	25.4	4.72	6.386	
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-160.45	-28.4	-10.1	30.2	25.0	5.17	5.831	
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	-160.45	-28.4	-10.1	30.2	24.5	5.62	5.365	
1,400.0	1,400.0	1,401.0	1,401.0	3.0	3.0	-160.45	-28.4	-10.1	30.2	24.1	6.07	4.967	
1,500.0	1,500.0	1,501.0	1,501.0	3.3	3.3	-160.45	-28.4	-10.1	30.2	23.6	6.52	4.625	
1,600.0	1,600.0	1,601.0	1,601.0	3.5	3.5	-160.45	-28.4	-10.1	30.2	23.2	6.97	4.327	
1,700.0	1,700.0	1,701.0	1,701.0	3.7	3.7	-160.45	-28.4	-10.1	30.2	22.7	7.42	4.064	
1,766.3	1,766.3	1,767.3	1,767.3	3.9	3.9	-160.45	-28.4	-10.1	30.2	22.4	7.72	3.907	CC
1,800.0	1,800.0	1,801.0	1,801.0	3.9	3.9	-160.45	-28.4	-10.1	30.2	22.3	7.87	3.832	ES
1,900.0	1,900.0	1,900.4	1,900.4	4.2	4.1	-157.61	-28.7	-11.8	31.1	22.8	8.30	3.741	SF
2,000.0	2,000.0	2,000.0	1,999.8	4.4	4.3	-150.14	-29.6	-17.0	34.1	25.4	8.72	3.912	
2,100.0	2,100.0	2,098.4	2,097.9	4.6	4.5	-140.63	-31.0	-25.4	40.2	31.0	9.14	4.394	
2,200.0	2,200.0	2,197.9	2,196.8	4.8	4.8	-132.62	-32.6	-35.5	48.4	38.8	9.57	5.055	
2,300.0	2,300.0	2,297.4	2,295.8	5.1	5.0	-126.99	-34.3	-45.5	57.2	47.2	10.00	5.722	
2,400.0	2,400.0	2,396.9	2,394.7	5.3	5.2	-122.91	-36.0	-55.6	66.5	56.1	10.45	6.367	
2,500.0	2,500.0	2,496.3	2,493.7	5.5	5.5	-119.83	-37.6	-65.7	76.0	65.1	10.90	6.979	
2,600.0	2,600.0	2,595.6	2,592.5	5.7	5.7	122.77	-39.3	-75.7	86.7	75.4	11.27	7.687	
2,700.0	2,699.8	2,694.6	2,690.9	5.9	6.0	126.82	-41.0	-85.7	99.6	87.9	11.66	8.542	
2,800.0	2,799.5	2,793.0	2,788.8	6.1	6.2	131.20	-42.6	-95.7	115.0	103.0	12.04	9.557	
2,900.0	2,899.0	2,891.3	2,886.6	6.3	6.5	134.93	-44.3	-105.6	131.7	119.2	12.43	10.590	
3,000.0	2,998.6	2,989.6	2,984.3	6.5	6.7	137.82	-45.9	-115.6	148.7	135.9	12.84	11.584	
3,100.0	3,098.1	3,087.9	3,082.1	6.7	7.0	140.11	-47.6	-125.5	166.0	152.8	13.25	12.534	
3,200.0	3,197.7	3,186.2	3,179.9	6.9	7.2	141.97	-49.2	-135.5	183.6	169.9	13.66	13.437	
3,300.0	3,297.2	3,284.4	3,277.7	7.2	7.5	143.50	-50.9	-145.4	201.3	187.2	14.08	14.292	
3,400.0	3,396.8	3,382.7	3,375.4	7.4	7.8	144.79	-52.5	-155.3	219.1	204.6	14.51	15.102	
3,500.0	3,496.4	3,481.0	3,473.2	7.6	8.0	145.88	-54.2	-165.3	237.0	222.0	14.93	15.867	
3,600.0	3,595.9	3,579.3	3,571.0	7.9	8.3	146.82	-55.8	-175.2	254.9	239.6	15.37	16.591	
3,700.0	3,695.5	3,677.6	3,668.7	8.1	8.6	147.63	-57.5	-185.2	273.0	257.2	15.80	17.275	
3,800.0	3,795.0	3,775.9	3,766.5	8.3	8.9	148.35	-59.2	-195.1	291.1	274.8	16.24	17.923	
3,900.0	3,894.6	3,874.2	3,864.3	8.6	9.1	148.98	-60.8	-205.1	309.2	292.5	16.68	18.536	
4,000.0	3,994.1	3,972.5	3,962.1	8.8	9.4	149.54	-62.5	-215.0	327.3	310.2	17.12	19.116	
4,100.0	4,093.7	4,070.8	4,059.8	9.1	9.7	150.04	-64.1	-224.9	345.5	327.9	17.57	19.667	
4,200.0	4,193.2	4,169.1	4,157.6	9.3	10.0	150.49	-65.8	-234.9	363.7	345.7	18.01	20.189	
4,300.0	4,292.8	4,267.4	4,255.4	9.6	10.2	150.90	-67.4	-244.8	381.9	363.4	18.46	20.685	
4,400.0	4,392.4	4,365.7	4,353.2	9.9	10.5	151.27	-69.1	-254.8	400.1	381.2	18.91	21.156	
4,500.0	4,491.9	4,463.9	4,450.9	10.1	10.8	151.61	-70.7	-264.7	418.4	399.0	19.37	21.605	
4,600.0	4,591.5	4,562.2	4,548.7	10.4	11.1	151.92	-72.4	-274.7	436.7	416.8	19.82	22.032	
4,700.0	4,691.0	4,660.5	4,646.5	10.6	11.4	152.21	-74.0	-284.6	454.9	434.7	20.27	22.438	
4,800.0	4,790.6	4,758.9	4,744.4	10.9	11.7	152.53	-75.7	-294.6	472.7	451.9	20.75	22.777	
4,900.0	4,890.5	4,857.8	4,842.7	11.1	11.9	152.71	-77.3	-304.6	487.6	466.4	21.22	22.979	
5,000.0	4,990.5	4,957.1	4,941.5	11.3	12.2	152.66	-79.0	-314.6	499.4	477.8	21.66	23.054	

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 L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-11-2HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (9-4-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey J-11-2HN - Wellbore #1 - Plan #1 (9-4-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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
5,100.0	5,090.5	5,056.6	5,040.4	11.5	12.5	-86.99	-80.7	-324.7	509.4	487.3	22.10	23.056	
5,200.0	5,190.5	5,156.0	5,139.4	11.7	12.8	-87.23	-82.3	-334.7	519.5	496.9	22.54	23.049	
5,300.0	5,290.5	5,255.5	5,238.3	11.9	13.1	-87.47	-84.0	-344.8	529.5	506.5	22.98	23.043	
5,400.0	5,390.5	5,355.0	5,337.3	12.1	13.4	-87.69	-85.7	-354.9	539.5	516.1	23.42	23.036	
5,500.0	5,490.5	5,454.4	5,436.2	12.3	13.7	-87.91	-87.4	-364.9	549.6	525.7	23.86	23.029	
5,600.0	5,590.5	5,553.9	5,535.2	12.5	14.0	-88.12	-89.0	-375.0	559.6	535.3	24.31	23.023	
5,700.0	5,690.5	5,653.4	5,634.1	12.7	14.2	-88.32	-90.7	-385.1	569.7	544.9	24.75	23.016	
5,800.0	5,790.5	5,752.9	5,733.1	12.9	14.5	-88.52	-92.4	-395.1	579.8	554.6	25.20	23.010	
5,900.0	5,890.5	5,852.3	5,832.0	13.1	14.8	-88.71	-94.0	-405.2	589.8	564.2	25.64	23.004	
6,000.0	5,990.5	5,951.8	5,931.0	13.3	15.1	-88.89	-95.7	-415.3	599.9	573.8	26.09	22.997	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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 K-11-2HN - Wellbore #1 - Plan #1 (9-4-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	-160.46	-14.2	-5.0	15.1	15.1	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	-160.46	-14.2	-5.0	15.1	14.9	0.22	67.093	
200.0	200.0	200.0	200.0	0.3	0.3	-160.46	-14.2	-5.0	15.1	14.4	0.67	22.364	
300.0	300.0	300.0	300.0	0.6	0.6	-160.46	-14.2	-5.0	15.1	14.0	1.12	13.419	
400.0	400.0	400.0	400.0	0.8	0.8	-160.46	-14.2	-5.0	15.1	13.5	1.57	9.585	
500.0	500.0	500.0	500.0	1.0	1.0	-160.46	-14.2	-5.0	15.1	13.1	2.02	7.455	
600.0	600.0	600.0	600.0	1.2	1.2	-160.46	-14.2	-5.0	15.1	12.6	2.47	6.099	
700.0	700.0	700.0	700.0	1.5	1.5	-160.46	-14.2	-5.0	15.1	12.2	2.92	5.161	
800.0	800.0	800.0	800.0	1.7	1.7	-160.46	-14.2	-5.0	15.1	11.7	3.37	4.473	
900.0	900.0	900.0	900.0	1.9	1.9	-160.46	-14.2	-5.0	15.1	11.3	3.82	3.947	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-160.46	-14.2	-5.0	15.1	10.8	4.27	3.531	
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-160.46	-14.2	-5.0	15.1	10.4	4.72	3.195	
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-160.46	-14.2	-5.0	15.1	9.9	5.17	2.917	
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-160.46	-14.2	-5.0	15.1	9.5	5.62	2.684	
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-160.46	-14.2	-5.0	15.1	9.0	6.07	2.485	
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	-160.46	-14.2	-5.0	15.1	8.6	6.52	2.314	
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	-160.46	-14.2	-5.0	15.1	8.1	6.97	2.164	
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-160.46	-14.2	-5.0	15.1	7.7	7.42	2.033	
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	-160.46	-14.2	-5.0	15.1	7.2	7.87	1.917	
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	-160.46	-14.2	-5.0	15.1	6.8	8.32	1.813	
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-160.46	-14.2	-5.0	15.1	6.3	8.77	1.720	CC
2,100.0	2,100.0	2,099.5	2,099.5	4.6	4.6	-156.83	-15.2	-6.5	16.5	7.3	9.19	1.795	
2,200.0	2,200.0	2,198.8	2,198.7	4.8	4.8	-149.04	-18.0	-10.8	21.0	11.4	9.60	2.192	
2,300.0	2,300.0	2,298.1	2,297.6	5.1	5.0	-141.90	-22.5	-17.7	28.7	18.7	10.01	2.872	
2,400.0	2,400.0	2,397.7	2,396.8	5.3	5.2	-137.59	-27.4	-25.0	37.2	26.8	10.43	3.567	
2,500.0	2,500.0	2,497.3	2,496.1	5.5	5.4	-134.89	-32.2	-32.3	45.8	34.9	10.85	4.218	
2,600.0	2,600.0	2,596.9	2,595.2	5.7	5.6	107.93	-37.0	-39.6	54.9	43.7	11.24	4.887	
2,700.0	2,699.8	2,696.1	2,694.1	5.9	5.8	113.16	-41.8	-46.9	65.6	53.9	11.62	5.642	
2,800.0	2,799.5	2,795.0	2,792.6	6.1	6.0	119.07	-46.6	-54.2	78.2	66.2	12.00	6.513	
2,900.0	2,899.0	2,893.8	2,891.0	6.3	6.3	123.88	-51.4	-61.4	91.9	79.5	12.39	7.412	
3,000.0	2,998.6	2,992.6	2,989.5	6.5	6.5	127.42	-56.2	-68.7	106.0	93.2	12.79	8.287	
3,100.0	3,098.1	3,091.5	3,087.9	6.7	6.7	130.13	-61.0	-76.0	120.5	107.3	13.20	9.127	
3,200.0	3,197.7	3,190.3	3,186.3	6.9	7.0	132.25	-65.8	-83.2	135.2	121.5	13.62	9.926	
3,300.0	3,297.2	3,289.1	3,284.7	7.2	7.2	133.96	-70.5	-90.5	150.0	135.9	14.04	10.684	
3,400.0	3,396.8	3,387.9	3,383.1	7.4	7.5	135.35	-75.3	-97.7	164.9	150.4	14.46	11.401	
3,500.0	3,496.4	3,486.7	3,481.6	7.6	7.7	136.52	-80.1	-105.0	179.9	165.0	14.89	12.079	
3,600.0	3,595.9	3,585.5	3,580.0	7.9	8.0	137.51	-84.9	-112.2	195.0	179.7	15.33	12.719	
3,700.0	3,695.5	3,684.3	3,678.4	8.1	8.2	138.35	-89.7	-119.5	210.1	194.3	15.77	13.323	
3,800.0	3,795.0	3,783.1	3,776.8	8.3	8.5	139.08	-94.5	-126.8	225.3	209.0	16.21	13.894	
3,900.0	3,894.6	3,881.9	3,875.3	8.6	8.7	139.72	-99.3	-134.0	240.4	223.8	16.66	14.434	
4,000.0	3,994.1	3,983.0	3,976.0	8.8	9.0	140.31	-104.1	-141.3	255.5	238.4	17.11	14.936	
4,100.0	4,093.7	4,091.1	4,083.9	9.1	9.2	141.13	-107.6	-146.7	268.2	250.7	17.56	15.275	
4,200.0	4,193.2	4,199.9	4,192.6	9.3	9.4	142.26	-108.9	-148.6	277.5	259.5	18.00	15.417	
4,300.0	4,292.8	4,300.1	4,292.8	9.6	9.6	143.42	-108.9	-148.6	285.1	266.6	18.43	15.465	
4,400.0	4,392.4	4,399.6	4,392.4	9.9	9.8	144.52	-108.9	-148.6	292.7	273.8	18.87	15.510	
4,500.0	4,491.9	4,499.2	4,491.9	10.1	10.0	145.56	-108.9	-148.6	300.4	281.1	19.31	15.559	
4,600.0	4,591.5	4,598.7	4,591.5	10.4	10.2	146.55	-108.9	-148.6	308.2	288.5	19.75	15.609	
4,700.0	4,691.0	4,698.3	4,691.0	10.6	10.4	147.49	-108.9	-148.6	316.2	296.0	20.19	15.662	
4,800.0	4,790.6	4,797.9	4,790.6	10.9	10.6	148.37	-108.9	-148.6	323.6	303.0	20.64	15.679	
4,900.0	4,890.5	4,897.7	4,890.5	11.1	10.8	148.92	-108.9	-148.6	328.4	307.3	21.08	15.580	
5,000.0	4,990.5	4,997.7	4,990.5	11.3	11.0	149.13	-108.9	-148.6	330.1	308.6	21.49	15.361	
5,100.0	5,090.5	5,097.7	5,090.5	11.5	11.2	-90.28	-108.9	-148.6	330.1	308.2	21.90	15.072	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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 K-11-2HN - Wellbore #1 - Plan #1 (9-4-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	5,190.5	5,197.7	5,190.5	11.7	11.4	-90.28	-108.9	-148.6	330.1	307.8	22.33	14.787	
5,300.0	5,290.5	5,297.7	5,290.5	11.9	11.7	-90.28	-108.9	-148.6	330.1	307.4	22.75	14.513	
5,400.0	5,390.5	5,397.7	5,390.5	12.1	11.9	-90.28	-108.9	-148.6	330.1	307.0	23.17	14.247	
5,500.0	5,490.5	5,497.7	5,490.5	12.3	12.1	-90.28	-108.9	-148.6	330.1	306.6	23.60	13.990	
5,600.0	5,590.5	5,597.7	5,590.5	12.5	12.3	-90.28	-108.9	-148.6	330.1	306.1	24.02	13.742	
5,700.0	5,690.5	5,697.7	5,690.5	12.7	12.5	-90.28	-108.9	-148.6	330.1	305.7	24.45	13.503	
5,800.0	5,790.5	5,797.7	5,790.5	12.9	12.7	-90.28	-108.9	-148.6	330.1	305.3	24.88	13.271	
5,900.0	5,890.5	5,897.7	5,890.5	13.1	12.9	-90.28	-108.9	-148.6	330.1	304.8	25.31	13.046	
6,000.0	5,990.5	5,997.7	5,990.5	13.3	13.1	-90.28	-108.9	-148.6	330.1	304.4	25.74	12.829	
6,100.0	6,090.5	6,097.7	6,090.5	13.5	13.3	-90.28	-108.9	-148.6	330.1	304.0	26.17	12.618	
6,200.0	6,190.5	6,197.7	6,190.5	13.8	13.6	-90.28	-108.9	-148.6	330.1	303.6	26.60	12.414	
6,300.0	6,290.5	6,297.7	6,290.5	14.0	13.8	-90.28	-108.9	-148.6	330.1	303.1	27.03	12.216	
6,400.0	6,390.5	6,397.7	6,390.5	14.2	14.0	-90.28	-108.9	-148.6	330.1	302.7	27.46	12.024	
6,500.0	6,490.5	6,497.7	6,490.5	14.4	14.2	-90.28	-108.9	-148.6	330.1	302.3	27.89	11.837	
6,600.0	6,590.5	6,597.7	6,590.5	14.6	14.4	-90.28	-108.9	-148.6	330.1	301.8	28.32	11.657	
6,700.0	6,690.5	6,697.7	6,690.5	14.8	14.6	-90.28	-108.9	-148.6	330.1	301.4	28.76	11.481	
6,800.0	6,790.5	6,797.7	6,790.5	15.0	14.8	-90.28	-108.9	-148.6	330.1	301.0	29.19	11.310	
6,900.0	6,890.5	6,897.7	6,890.5	15.2	15.1	-90.28	-108.9	-148.6	330.1	300.5	29.62	11.145	
7,000.0	6,990.5	6,997.7	6,990.5	15.4	15.3	-90.28	-108.9	-148.6	330.1	300.1	30.06	10.984	
7,100.0	7,090.5	7,097.7	7,090.5	15.7	15.5	-90.28	-108.9	-148.6	330.1	299.7	30.49	10.827	
7,200.0	7,190.4	7,197.9	7,190.6	15.9	15.7	-90.46	-106.2	-148.6	330.1	299.2	30.92	10.679	
7,300.0	7,289.1	7,298.3	7,289.7	16.1	15.9	-90.44	-90.6	-148.6	330.1	298.9	31.29	10.552	
7,400.0	7,384.7	7,398.7	7,385.6	16.2	16.1	-90.42	-61.3	-148.5	330.1	298.5	31.62	10.441	
7,500.0	7,475.3	7,499.0	7,476.4	16.4	16.3	-90.40	-18.9	-148.4	330.1	298.2	31.96	10.329	
7,600.0	7,559.1	7,599.3	7,560.4	16.5	16.4	-90.37	35.7	-148.2	330.1	297.8	32.38	10.197	
7,700.0	7,634.6	7,699.6	7,636.0	16.7	16.6	-90.34	101.6	-148.0	330.1	297.2	32.94	10.024	
7,800.0	7,700.1	7,799.8	7,701.6	17.0	17.0	-90.31	177.3	-147.7	330.1	296.4	33.71	9.794	
7,900.0	7,754.5	7,900.1	7,755.9	17.5	17.5	-90.28	261.4	-147.4	330.1	295.4	34.76	9.499	
8,000.0	7,796.7	8,000.3	7,798.1	18.1	18.2	-90.25	352.2	-147.1	330.1	294.0	36.11	9.144	
8,038.7	7,809.6	8,039.1	7,810.9	18.4	18.5	-90.24	388.9	-147.0	330.1	293.4	36.73	8.988	
8,100.0	7,825.8	8,100.5	7,827.1	19.0	19.0	-90.22	448.1	-146.8	330.1	292.4	37.77	8.742	
8,200.0	7,841.4	8,200.7	7,842.5	19.9	20.0	-90.19	546.9	-146.5	330.1	290.4	39.71	8.314	
8,300.0	7,843.9	8,300.8	7,844.9	21.0	21.1	-90.17	647.0	-146.2	330.1	288.3	41.86	7.887	
8,400.0	7,843.7	8,400.8	7,844.7	22.2	22.3	-90.17	747.0	-145.8	330.1	285.9	44.25	7.461	
8,500.0	7,843.5	8,500.8	7,844.5	23.5	23.6	-90.17	847.0	-145.5	330.1	283.3	46.83	7.050	
8,600.0	7,843.3	8,600.8	7,844.3	24.8	24.9	-90.17	947.0	-145.2	330.1	280.6	49.58	6.659	
8,700.0	7,843.1	8,700.8	7,844.1	26.3	26.4	-90.17	1,047.0	-144.8	330.1	277.7	52.45	6.294	
8,800.0	7,842.9	8,800.8	7,843.9	27.7	27.9	-90.17	1,147.0	-144.5	330.1	274.7	55.45	5.954	
8,900.0	7,842.7	8,900.8	7,843.7	29.3	29.4	-90.17	1,247.0	-144.1	330.1	271.6	58.54	5.639	
9,000.0	7,842.5	9,000.8	7,843.5	30.9	31.0	-90.17	1,347.0	-143.8	330.1	268.4	61.71	5.349	
9,100.0	7,842.3	9,100.8	7,843.3	32.5	32.6	-90.17	1,447.0	-143.5	330.1	265.2	64.96	5.082	
9,200.0	7,842.1	9,200.8	7,843.1	34.1	34.3	-90.17	1,547.0	-143.1	330.1	261.9	68.26	4.836	
9,300.0	7,841.9	9,300.8	7,842.9	35.8	35.9	-90.17	1,647.0	-142.8	330.1	258.5	71.62	4.609	
9,400.0	7,841.7	9,400.8	7,842.7	37.5	37.6	-90.17	1,747.0	-142.5	330.1	255.1	75.02	4.400	
9,500.0	7,841.5	9,500.8	7,842.5	39.2	39.4	-90.17	1,847.0	-142.1	330.1	251.7	78.46	4.207	
9,600.0	7,841.3	9,600.8	7,842.3	41.0	41.1	-90.17	1,947.0	-141.8	330.1	248.2	81.94	4.029	
9,700.0	7,841.1	9,700.8	7,842.1	42.7	42.9	-90.17	2,047.0	-141.4	330.1	244.7	85.45	3.864	
9,800.0	7,840.9	9,800.8	7,841.9	44.5	44.6	-90.17	2,147.0	-141.1	330.1	241.1	88.98	3.710	
9,900.0	7,840.8	9,900.8	7,841.7	46.2	46.4	-90.17	2,247.0	-140.8	330.1	237.6	92.53	3.568	
10,000.0	7,840.6	10,000.8	7,841.6	48.0	48.2	-90.17	2,347.0	-140.4	330.1	234.0	96.11	3.435	
10,100.0	7,840.4	10,100.8	7,841.4	49.8	50.0	-90.17	2,447.0	-140.1	330.1	230.4	99.71	3.311	
10,200.0	7,840.2	10,200.8	7,841.2	51.6	51.8	-90.17	2,547.0	-139.7	330.1	226.8	103.32	3.195	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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 K-11-2HN - Wellbore #1 - Plan #1 (9-4-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	7,840.0	10,300.8	7,841.0	53.4	53.6	-90.17	2,647.0	-139.4	330.1	223.2	106.94	3.087	
10,400.0	7,839.8	10,400.8	7,840.8	55.3	55.4	-90.17	2,747.0	-139.1	330.1	219.5	110.58	2.985	
10,500.0	7,839.6	10,500.8	7,840.6	57.1	57.2	-90.17	2,847.0	-138.7	330.1	215.9	114.24	2.890	
10,600.0	7,839.4	10,600.8	7,840.4	58.9	59.1	-90.17	2,947.0	-138.4	330.1	212.2	117.90	2.800	
10,700.0	7,839.2	10,700.8	7,840.2	60.7	60.9	-90.17	3,047.0	-138.1	330.1	208.5	121.57	2.715	
10,800.0	7,839.0	10,800.8	7,840.0	62.6	62.8	-90.17	3,147.0	-137.7	330.1	204.9	125.26	2.635	
10,900.0	7,838.8	10,900.8	7,839.8	64.4	64.6	-90.17	3,247.0	-137.4	330.1	201.2	128.95	2.560	
11,000.0	7,838.6	11,000.8	7,839.6	66.3	66.4	-90.17	3,347.0	-137.0	330.1	197.5	132.65	2.489	
11,100.0	7,838.4	11,100.8	7,839.4	68.1	68.3	-90.17	3,447.0	-136.7	330.1	193.8	136.35	2.421	
11,200.0	7,838.2	11,200.8	7,839.2	70.0	70.2	-90.17	3,547.0	-136.4	330.1	190.0	140.07	2.357	
11,300.0	7,838.0	11,300.8	7,839.0	71.8	72.0	-90.17	3,647.0	-136.0	330.1	186.3	143.79	2.296	
11,400.0	7,837.8	11,400.8	7,838.8	73.7	73.9	-90.17	3,747.0	-135.7	330.1	182.6	147.51	2.238	
11,500.0	7,837.6	11,500.8	7,838.6	75.6	75.7	-90.17	3,847.0	-135.4	330.1	178.9	151.24	2.183	
11,600.0	7,837.4	11,600.8	7,838.4	77.4	77.6	-90.17	3,947.0	-135.0	330.1	175.1	154.97	2.130	
11,700.0	7,837.2	11,700.8	7,838.2	79.3	79.5	-90.17	4,047.0	-134.7	330.1	171.4	158.71	2.080	
11,800.0	7,837.0	11,800.8	7,838.0	81.2	81.3	-90.17	4,147.0	-134.3	330.1	167.6	162.45	2.032	
11,900.0	7,836.8	11,900.8	7,837.8	83.0	83.2	-90.17	4,247.0	-134.0	330.1	163.9	166.20	1.986	
12,000.0	7,836.6	12,000.8	7,837.6	84.9	85.1	-90.17	4,347.0	-133.7	330.1	160.1	169.95	1.942	
12,100.0	7,836.4	12,100.8	7,837.4	86.8	87.0	-90.17	4,447.0	-133.3	330.1	156.4	173.70	1.900	
12,200.0	7,836.2	12,200.8	7,837.2	88.7	88.9	-90.17	4,547.0	-133.0	330.1	152.6	177.46	1.860	
12,300.0	7,836.0	12,300.8	7,837.0	90.5	90.7	-90.17	4,647.0	-132.7	330.1	148.9	181.22	1.821	
12,400.0	7,835.8	12,400.8	7,836.8	92.4	92.6	-90.17	4,747.0	-132.3	330.1	145.1	184.98	1.784	
12,500.0	7,835.6	12,500.8	7,836.6	94.3	94.5	-90.17	4,847.0	-132.0	330.1	141.3	188.75	1.749	
12,600.0	7,835.4	12,600.8	7,836.4	96.2	96.4	-90.17	4,947.0	-131.6	330.1	137.6	192.52	1.715	
12,700.0	7,835.2	12,700.8	7,836.2	98.1	98.3	-90.17	5,047.0	-131.3	330.1	133.8	196.29	1.682	
12,800.0	7,835.0	12,800.8	7,836.0	100.0	100.1	-90.17	5,147.0	-131.0	330.1	130.0	200.06	1.650	
12,900.0	7,834.8	12,900.8	7,835.8	101.8	102.0	-90.17	5,247.0	-130.6	330.1	126.3	203.83	1.619	
13,000.0	7,834.6	13,000.8	7,835.6	103.7	103.9	-90.17	5,347.0	-130.3	330.1	122.5	207.61	1.590	
13,100.0	7,834.4	13,100.8	7,835.4	105.6	105.8	-90.17	5,447.0	-130.0	330.1	118.7	211.39	1.562	
13,200.0	7,834.2	13,200.8	7,835.2	107.5	107.7	-90.17	5,547.0	-129.6	330.1	114.9	215.17	1.534	
13,300.0	7,834.0	13,300.8	7,835.0	109.4	109.6	-90.17	5,647.0	-129.3	330.1	111.1	218.95	1.508	
13,400.0	7,833.8	13,400.8	7,834.8	111.3	111.5	-90.17	5,747.0	-128.9	330.1	107.3	222.73	1.482	Level 3
13,500.0	7,833.6	13,500.8	7,834.6	113.2	113.4	-90.17	5,847.0	-128.6	330.1	103.6	226.51	1.457	Level 3
13,600.0	7,833.4	13,600.8	7,834.4	115.1	115.3	-90.17	5,947.0	-128.3	330.1	99.8	230.30	1.433	Level 3
13,700.0	7,833.2	13,700.8	7,834.2	117.0	117.2	-90.17	6,047.0	-127.9	330.1	96.0	234.09	1.410	Level 3
13,800.0	7,833.0	13,800.8	7,834.0	118.9	119.1	-90.17	6,147.0	-127.6	330.1	92.2	237.88	1.388	Level 3
13,900.0	7,832.8	13,900.8	7,833.8	120.8	120.9	-90.17	6,247.0	-127.3	330.1	88.4	241.67	1.366	Level 3
14,000.0	7,832.6	14,000.8	7,833.6	122.7	122.8	-90.17	6,347.0	-126.9	330.1	84.6	245.46	1.345	Level 3
14,100.0	7,832.4	14,100.8	7,833.4	124.6	124.7	-90.17	6,447.0	-126.6	330.1	80.8	249.25	1.324	Level 3
14,200.0	7,832.2	14,200.8	7,833.2	126.4	126.6	-90.17	6,547.0	-126.2	330.1	77.0	253.04	1.304	Level 3
14,300.0	7,832.0	14,300.8	7,833.0	128.3	128.5	-90.17	6,647.0	-125.9	330.1	73.2	256.84	1.285	Level 3
14,400.0	7,831.8	14,400.8	7,832.8	130.2	130.4	-90.17	6,747.0	-125.6	330.1	69.4	260.63	1.266	Level 3
14,500.0	7,831.6	14,500.8	7,832.6	132.1	132.3	-90.17	6,847.0	-125.2	330.1	65.6	264.43	1.248	Level 2
14,600.0	7,831.4	14,600.8	7,832.4	134.0	134.2	-90.17	6,947.0	-124.9	330.1	61.8	268.22	1.231	Level 2
14,700.0	7,831.2	14,700.8	7,832.2	135.9	136.1	-90.17	7,046.9	-124.6	330.1	58.0	272.02	1.213	Level 2
14,800.0	7,831.0	14,800.8	7,832.0	137.8	138.0	-90.17	7,146.9	-124.2	330.1	54.2	275.82	1.197	Level 2
14,900.0	7,830.8	14,900.8	7,831.8	139.7	139.9	-90.17	7,246.9	-123.9	330.1	50.4	279.62	1.180	Level 2
15,000.0	7,830.6	15,000.8	7,831.6	141.6	141.8	-90.17	7,346.9	-123.5	330.1	46.6	283.42	1.165	Level 2
15,100.0	7,830.4	15,100.8	7,831.4	143.5	143.7	-90.17	7,446.9	-123.2	330.1	42.8	287.22	1.149	Level 2
15,200.0	7,830.2	15,200.8	7,831.2	145.4	145.6	-90.17	7,546.9	-122.9	330.1	39.0	291.02	1.134	Level 2
15,300.0	7,830.0	15,300.8	7,831.0	147.3	147.5	-90.17	7,646.9	-122.5	330.1	35.2	294.82	1.119	Level 2
15,400.0	7,829.8	15,400.8	7,830.8	149.2	149.4	-90.17	7,746.9	-122.2	330.0	31.4	298.63	1.105	Level 2

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 L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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 K-11-2HN - Wellbore #1 - Plan #1 (9-4-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	7,829.6	15,500.8	7,830.6	151.1	151.3	-90.17	7,846.9	-121.9	330.0	27.6	302.43	1.091	Level 2
15,600.0	7,829.4	15,600.8	7,830.4	153.0	153.2	-90.17	7,946.9	-121.5	330.0	23.8	306.23	1.078	Level 2
15,700.0	7,829.2	15,700.8	7,830.2	154.9	155.1	-90.17	8,046.9	-121.2	330.0	20.0	310.04	1.065	Level 2
15,800.0	7,829.0	15,800.8	7,830.0	156.8	157.0	-90.17	8,146.9	-120.8	330.0	16.2	313.84	1.052	Level 2
15,900.0	7,828.8	15,900.8	7,829.8	158.7	158.9	-90.17	8,246.9	-120.5	330.0	12.4	317.65	1.039	Level 2
16,000.0	7,828.6	16,000.8	7,829.6	160.6	160.8	-90.17	8,346.9	-120.2	330.0	8.6	321.46	1.027	Level 2
16,100.0	7,828.4	16,100.8	7,829.4	162.6	162.7	-90.17	8,446.9	-119.8	330.0	4.8	325.26	1.015	Level 2
16,200.0	7,828.2	16,200.8	7,829.2	164.5	164.6	-90.17	8,546.9	-119.5	330.0	1.0	329.07	1.003	Level 2
16,300.0	7,828.0	16,300.8	7,829.0	166.4	166.5	-90.17	8,646.9	-119.1	330.0	-2.8	332.87	0.991	Level 1
16,320.4	7,828.0	16,321.2	7,829.0	166.7	166.9	-90.17	8,667.3	-119.1	330.0	-3.5	333.58	0.989	Level 1
16,323.8	7,828.0	16,323.1	7,829.0	166.8	166.9	-90.17	8,669.3	-119.1	330.0	-3.6	333.67	0.989	Level 1, ES, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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	1.0	1.0	0.0	0.0	-160.04	-84.9	-30.8	90.3	90.3	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	-160.04	-84.9	-30.8	90.3	90.1	0.23	397.826	
200.0	200.0	201.0	201.0	0.3	0.3	-160.04	-84.9	-30.8	90.3	89.6	0.68	133.490	
300.0	300.0	301.0	301.0	0.6	0.6	-160.04	-84.9	-30.8	90.3	89.2	1.13	80.200	
400.0	400.0	401.0	401.0	0.8	0.8	-160.04	-84.9	-30.8	90.3	88.7	1.58	57.319	
500.0	500.0	501.0	501.0	1.0	1.0	-160.04	-84.9	-30.8	90.3	88.3	2.03	44.595	
600.0	600.0	601.0	601.0	1.2	1.2	-160.04	-84.9	-30.8	90.3	87.8	2.47	36.494	
700.0	700.0	701.0	701.0	1.5	1.5	-160.04	-84.9	-30.8	90.3	87.4	2.92	30.884	
800.0	800.0	801.0	801.0	1.7	1.7	-160.04	-84.9	-30.8	90.3	86.9	3.37	26.769	
900.0	900.0	901.0	901.0	1.9	1.9	-160.04	-84.9	-30.8	90.3	86.5	3.82	23.622	
966.3	966.3	967.3	967.3	2.1	2.1	-160.04	-84.9	-30.8	90.3	86.2	4.12	21.913	CC
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-160.04	-84.9	-30.8	90.3	86.0	4.27	21.137	ES
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.3	-158.98	-84.7	-32.6	90.8	86.1	4.71	19.287	
1,200.0	1,200.0	1,199.0	1,198.8	2.6	2.6	-155.91	-84.3	-37.7	92.4	87.3	5.14	17.994	
1,300.0	1,300.0	1,297.4	1,296.9	2.8	2.8	-151.09	-83.7	-46.2	95.7	90.1	5.57	17.181	
1,400.0	1,400.0	1,395.1	1,393.9	3.0	3.0	-144.99	-82.7	-58.0	101.3	95.3	6.00	16.865	
1,500.0	1,500.0	1,491.9	1,489.5	3.3	3.3	-138.24	-81.6	-72.8	110.0	103.5	6.45	17.056	
1,600.0	1,600.0	1,587.6	1,583.5	3.5	3.6	-131.47	-80.2	-90.7	122.3	115.4	6.90	17.726	
1,700.0	1,700.0	1,683.1	1,676.7	3.7	3.9	-125.16	-78.5	-111.5	138.5	131.1	7.38	18.778	
1,800.0	1,800.0	1,780.5	1,771.6	3.9	4.3	-119.93	-76.8	-133.4	156.7	148.8	7.88	19.896	
1,900.0	1,900.0	1,877.9	1,866.5	4.2	4.7	-115.79	-75.1	-155.3	176.0	167.6	8.40	20.939	
2,000.0	2,000.0	1,975.3	1,961.4	4.4	5.1	-112.47	-73.3	-177.3	195.9	187.0	8.95	21.882	
2,100.0	2,100.0	2,072.7	2,056.3	4.6	5.5	-109.77	-71.6	-199.2	216.4	206.9	9.52	22.726	
2,200.0	2,200.0	2,170.2	2,151.1	4.8	5.9	-107.53	-69.9	-221.2	237.2	227.1	10.10	23.477	
2,300.0	2,300.0	2,267.6	2,246.0	5.1	6.4	-105.66	-68.1	-243.1	258.4	247.7	10.70	24.146	
2,400.0	2,400.0	2,365.0	2,340.9	5.3	6.8	-104.07	-66.4	-265.0	279.8	268.4	11.31	24.742	
2,500.0	2,500.0	2,462.4	2,435.8	5.5	7.3	-102.70	-64.7	-287.0	301.3	289.4	11.92	25.274	
2,600.0	2,600.0	2,559.4	2,530.4	5.7	7.7	137.78	-63.0	-308.8	324.3	312.7	11.59	27.970	
2,700.0	2,699.8	2,655.7	2,624.1	5.9	8.2	139.02	-61.2	-330.5	349.9	337.9	11.99	29.191	
2,800.0	2,799.5	2,751.0	2,717.0	6.1	8.6	140.46	-59.6	-352.0	378.3	365.9	12.38	30.566	
2,900.0	2,899.0	2,846.0	2,809.6	6.3	9.1	142.00	-57.9	-373.4	407.6	394.8	12.78	31.881	
3,000.0	2,998.6	2,941.1	2,902.2	6.5	9.5	143.34	-56.2	-394.8	437.1	423.9	13.20	33.113	
3,100.0	3,098.1	3,036.2	2,994.8	6.7	10.0	144.51	-54.5	-416.2	466.8	453.2	13.62	34.265	
3,200.0	3,197.7	3,131.3	3,087.4	6.9	10.4	145.54	-52.8	-437.6	496.7	482.6	14.05	35.344	
3,300.0	3,297.2	3,226.3	3,180.0	7.2	10.9	146.46	-51.1	-459.0	526.7	512.2	14.49	36.355	
3,400.0	3,396.8	3,321.4	3,272.6	7.4	11.4	147.27	-49.4	-480.4	556.8	541.9	14.93	37.302	
3,500.0	3,496.4	3,416.5	3,365.3	7.6	11.8	148.00	-47.7	-501.8	587.0	571.6	15.37	38.190	
7,200.0	7,190.4	8,957.7	7,752.7	15.9	38.3	1.88	2.6	183.8	571.5	517.6	53.93	10.597	
7,300.0	7,289.1	8,957.3	7,752.7	16.1	38.3	173.47	2.6	183.5	471.6	418.6	53.03	8.893	
7,400.0	7,384.7	8,957.0	7,752.7	16.2	38.3	179.00	2.6	183.1	372.3	320.7	51.63	7.211	
7,500.0	7,475.3	8,956.7	7,752.7	16.4	38.3	179.53	2.6	182.8	277.2	227.9	49.25	5.628	
7,600.0	7,559.1	8,956.4	7,752.7	16.5	38.3	179.73	2.6	182.5	195.5	149.4	46.16	4.236	
7,700.0	7,634.6	8,956.1	7,752.7	16.7	38.3	179.85	2.6	182.3	153.6	111.1	42.47	3.616	SF
7,710.4	7,641.9	8,956.1	7,752.7	16.7	38.3	179.86	2.6	182.2	153.2	111.1	42.07	3.641	
7,800.0	7,700.1	8,955.9	7,752.7	17.0	38.3	179.93	2.6	182.0	182.2	143.8	38.38	4.747	
7,900.0	7,754.5	8,955.7	7,752.7	17.5	38.3	-180.00	2.6	181.9	258.5	224.4	34.11	7.580	
8,000.0	7,796.7	8,955.6	7,752.7	18.1	38.3	-179.89	2.6	181.7	352.0	322.0	30.01	11.730	
8,100.0	7,825.8	8,955.5	7,752.7	19.0	38.3	-179.47	2.6	181.6	450.8	424.3	26.53	16.995	
8,200.0	7,841.4	8,955.4	7,752.7	19.9	38.3	-0.42	2.6	181.6	550.7	526.3	24.47	22.505	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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	90.70	-0.4	30.0	30.0				
100.0	100.0	99.0	99.0	0.1	0.1	90.70	-0.4	30.0	30.0	29.8	0.22	134.099	
200.0	200.0	199.0	199.0	0.3	0.3	90.70	-0.4	30.0	30.0	29.3	0.67	44.625	
300.0	300.0	299.0	299.0	0.6	0.6	90.70	-0.4	30.0	30.0	28.9	1.12	26.739	
400.0	400.0	399.0	399.0	0.8	0.8	90.70	-0.4	30.0	30.0	28.4	1.57	19.089	
500.0	500.0	499.0	499.0	1.0	1.0	90.70	-0.4	30.0	30.0	28.0	2.02	14.842	
600.0	600.0	599.0	599.0	1.2	1.2	90.70	-0.4	30.0	30.0	27.5	2.47	12.141	
700.0	700.0	699.0	699.0	1.5	1.5	90.70	-0.4	30.0	30.0	27.1	2.92	10.272	
800.0	800.0	799.0	799.0	1.7	1.7	90.70	-0.4	30.0	30.0	26.6	3.37	8.901	
900.0	900.0	899.0	899.0	1.9	1.9	90.70	-0.4	30.0	30.0	26.2	3.82	7.853	
1,000.0	1,000.0	999.0	999.0	2.1	2.1	90.70	-0.4	30.0	30.0	25.7	4.27	7.026	CC, ES
1,100.0	1,100.0	1,097.9	1,097.9	2.4	2.3	91.16	-0.6	31.6	31.7	27.0	4.70	6.736	
1,200.0	1,200.0	1,196.7	1,196.5	2.6	2.5	92.31	-1.5	36.6	36.8	31.6	5.12	7.174	
1,300.0	1,300.0	1,294.9	1,294.4	2.8	2.8	93.65	-2.9	44.9	45.3	39.7	5.56	8.147	
1,400.0	1,400.0	1,392.7	1,391.5	3.0	3.0	94.85	-4.8	56.5	57.2	51.2	6.01	9.519	
1,500.0	1,500.0	1,491.8	1,489.7	3.3	3.2	95.72	-6.9	69.4	70.3	63.9	6.47	10.870	
1,600.0	1,600.0	1,591.0	1,588.0	3.5	3.5	96.31	-9.1	82.3	83.5	76.6	6.95	12.025	
1,700.0	1,700.0	1,690.1	1,686.2	3.7	3.8	96.75	-11.3	95.2	96.7	89.3	7.43	13.017	
1,800.0	1,800.0	1,789.2	1,784.5	3.9	4.1	97.07	-13.4	108.1	109.9	102.0	7.92	13.875	
1,900.0	1,900.0	1,888.3	1,882.8	4.2	4.4	97.33	-15.6	121.0	123.1	114.7	8.42	14.624	
2,000.0	2,000.0	1,987.4	1,981.0	4.4	4.7	97.54	-17.7	133.9	136.3	127.4	8.92	15.281	
2,100.0	2,100.0	2,086.6	2,079.3	4.6	5.0	97.71	-19.9	146.8	149.5	140.1	9.42	15.861	
2,200.0	2,200.0	2,185.7	2,177.5	4.8	5.3	97.86	-22.0	159.7	162.7	152.7	9.93	16.377	
2,300.0	2,300.0	2,284.8	2,275.8	5.1	5.6	97.98	-24.2	172.6	175.9	165.4	10.44	16.839	
2,400.0	2,400.0	2,383.9	2,374.0	5.3	5.9	98.08	-26.4	185.6	189.1	178.1	10.96	17.253	
2,500.0	2,500.0	2,483.1	2,472.3	5.5	6.2	98.18	-28.5	198.5	202.3	190.8	11.47	17.628	
2,600.0	2,600.0	2,582.4	2,570.7	5.7	6.5	-22.42	-30.7	211.4	213.9	202.5	11.32	18.887	
2,700.0	2,699.8	2,682.0	2,669.5	5.9	6.9	-22.79	-32.8	224.4	222.3	210.5	11.74	18.939	
2,800.0	2,799.5	2,781.8	2,768.4	6.1	7.2	-23.50	-35.0	237.4	227.6	215.5	12.15	18.733	
2,900.0	2,899.0	2,881.7	2,867.4	6.3	7.5	-24.28	-37.2	250.4	232.2	219.6	12.58	18.459	
3,000.0	2,998.6	2,981.5	2,966.4	6.5	7.8	-25.04	-39.4	263.4	236.9	223.9	13.02	18.199	
3,100.0	3,098.1	3,081.4	3,065.4	6.7	8.2	-25.77	-41.5	276.4	241.6	228.1	13.46	17.952	
3,200.0	3,197.7	3,181.2	3,164.3	6.9	8.5	-26.47	-43.7	289.4	246.3	232.4	13.90	17.717	
3,300.0	3,297.2	3,281.0	3,263.3	7.2	8.8	-27.14	-45.9	302.4	251.1	236.7	14.35	17.493	
3,400.0	3,396.8	3,380.9	3,362.3	7.4	9.1	-27.79	-48.0	315.4	255.9	241.0	14.81	17.279	
3,500.0	3,496.4	3,480.7	3,461.2	7.6	9.5	-28.41	-50.2	328.4	260.7	245.4	15.27	17.076	
3,600.0	3,595.9	3,580.6	3,560.2	7.9	9.8	-29.01	-52.4	341.4	265.5	249.8	15.73	16.882	
3,700.0	3,695.5	3,680.4	3,659.2	8.1	10.1	-29.59	-54.6	354.4	270.4	254.2	16.20	16.697	
3,800.0	3,795.0	3,780.3	3,758.1	8.3	10.5	-30.15	-56.7	367.4	275.3	258.7	16.67	16.520	
3,900.0	3,894.6	3,880.1	3,857.1	8.6	10.8	-30.69	-58.9	380.4	280.3	263.1	17.14	16.351	
4,000.0	3,994.1	3,980.0	3,956.1	8.8	11.1	-31.21	-61.1	393.4	285.2	267.6	17.62	16.189	
4,100.0	4,093.7	4,079.8	4,055.1	9.1	11.4	-31.71	-63.3	406.4	290.2	272.1	18.10	16.035	
4,200.0	4,193.2	4,179.6	4,154.0	9.3	11.8	-32.20	-65.4	419.4	295.2	276.6	18.58	15.886	
4,300.0	4,292.8	4,279.5	4,253.0	9.6	12.1	-32.67	-67.6	432.4	300.2	281.2	19.07	15.744	
4,400.0	4,392.4	4,379.3	4,352.0	9.9	12.4	-33.12	-69.8	445.4	305.3	285.7	19.56	15.608	
4,500.0	4,491.9	4,479.2	4,450.9	10.1	12.8	-33.56	-71.9	458.4	310.4	290.3	20.05	15.478	
4,600.0	4,591.5	4,579.0	4,549.9	10.4	13.1	-33.99	-74.1	471.4	315.4	294.9	20.55	15.352	
4,700.0	4,691.0	4,678.9	4,648.9	10.6	13.4	-34.40	-76.3	484.4	320.5	299.5	21.04	15.232	
4,800.0	4,790.6	4,778.7	4,747.8	10.9	13.8	-34.78	-78.5	497.4	326.2	304.6	21.53	15.148	
4,900.0	4,890.5	4,878.3	4,846.6	11.1	14.1	-34.88	-80.6	510.4	334.5	312.5	21.98	15.218	
5,000.0	4,990.5	4,977.7	4,945.1	11.3	14.4	-34.68	-82.8	523.3	345.6	323.2	22.38	15.439	
5,100.0	5,090.5	5,076.8	5,043.3	11.5	14.8	86.39	-84.9	536.2	358.4	335.6	22.81	15.711	

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 L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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	5,190.5	5,175.9	5,141.6	11.7	15.1	86.86	-87.1	549.2	371.3	348.1	23.25	15.972	
5,300.0	5,290.5	5,275.1	5,239.9	11.9	15.4	87.29	-89.3	562.1	384.2	360.5	23.68	16.223	
5,400.0	5,390.5	5,374.2	5,338.1	12.1	15.8	87.69	-91.4	575.0	397.1	373.0	24.12	16.464	
5,500.0	5,490.5	5,473.3	5,436.4	12.3	16.1	88.07	-93.6	587.9	410.1	385.5	24.56	16.697	
5,600.0	5,590.5	5,572.4	5,534.6	12.5	16.4	88.42	-95.7	600.8	423.0	398.0	25.00	16.921	
5,700.0	5,690.5	5,671.6	5,632.9	12.7	16.8	88.75	-97.9	613.7	436.0	410.5	25.44	17.137	
5,800.0	5,790.5	5,770.7	5,731.1	12.9	17.1	89.07	-100.0	626.6	449.0	423.1	25.88	17.346	
5,900.0	5,890.5	5,869.8	5,829.4	13.1	17.4	89.36	-102.2	639.5	462.0	435.6	26.33	17.547	
6,000.0	5,990.5	5,970.1	5,928.8	13.3	17.7	89.65	-104.4	652.6	475.0	448.2	26.77	17.741	
6,100.0	6,090.5	6,089.2	6,047.2	13.5	18.0	89.91	-106.5	665.4	485.7	458.5	27.21	17.852	
6,200.0	6,190.5	6,209.2	6,166.9	13.8	18.3	90.06	-107.9	673.3	492.4	464.7	27.63	17.818	
6,300.0	6,290.5	6,329.6	6,287.3	14.0	18.5	90.12	-108.4	676.4	494.9	466.8	28.05	17.640	
6,400.0	6,390.5	6,431.8	6,389.5	14.2	18.6	90.12	-108.4	676.4	494.9	466.4	28.46	17.389	
6,500.0	6,490.5	6,531.8	6,489.5	14.4	18.8	90.12	-108.4	676.4	494.9	466.0	28.86	17.145	
6,600.0	6,590.5	6,631.8	6,589.5	14.6	18.9	90.12	-108.4	676.4	494.9	465.6	29.27	16.908	
6,700.0	6,690.5	6,731.8	6,689.5	14.8	19.1	90.12	-108.4	676.4	494.9	465.2	29.68	16.676	
6,800.0	6,790.5	6,831.8	6,789.5	15.0	19.2	90.12	-108.4	676.4	494.9	464.8	30.08	16.450	
6,900.0	6,890.5	6,931.8	6,889.5	15.2	19.4	90.12	-108.4	676.4	494.9	464.4	30.49	16.229	
7,000.0	6,990.5	7,031.8	6,989.5	15.4	19.6	90.12	-108.4	676.4	494.9	464.0	30.90	16.014	
7,100.0	7,090.5	7,131.8	7,089.5	15.7	19.7	90.12	-108.4	676.4	494.9	463.6	31.32	15.803	
7,151.6	7,142.0	7,183.4	7,141.0	15.8	19.8	90.07	-108.4	676.4	494.9	463.4	31.51	15.704	
7,200.0	7,190.4	7,231.7	7,189.4	15.9	19.9	90.24	-108.4	676.4	494.9	463.2	31.70	15.610	
7,300.0	7,289.1	7,330.9	7,288.6	16.1	20.1	91.96	-108.1	676.4	495.2	463.2	32.02	15.466	
7,400.0	7,384.7	7,432.8	7,389.9	16.2	20.2	94.18	-98.1	676.4	496.3	464.0	32.29	15.371	
7,500.0	7,475.3	7,537.8	7,491.7	16.4	20.4	96.34	-72.8	676.5	498.1	465.5	32.55	15.299	
7,600.0	7,559.1	7,646.0	7,591.6	16.5	20.5	98.40	-31.6	676.6	500.4	467.6	32.86	15.230	
7,700.0	7,634.6	7,757.4	7,686.8	16.7	20.6	100.31	26.2	676.8	503.2	470.0	33.25	15.133	
7,800.0	7,700.1	7,872.1	7,774.2	17.0	20.7	102.02	100.2	677.1	506.2	472.4	33.80	14.978	
7,900.0	7,754.5	7,989.9	7,850.4	17.5	21.0	103.47	189.8	677.4	509.1	474.5	34.56	14.732	
8,000.0	7,796.7	8,110.3	7,912.2	18.1	21.3	104.63	293.0	677.7	511.6	476.0	35.60	14.373	
8,100.0	7,825.8	8,232.9	7,956.4	19.0	21.8	105.45	407.2	678.1	513.5	476.6	36.96	13.894	
8,200.0	7,841.4	8,357.0	7,980.6	19.9	22.6	105.91	528.8	678.5	514.7	476.0	38.66	13.311	
8,300.0	7,843.9	8,472.6	7,985.0	21.0	23.7	106.02	644.2	678.9	514.9	474.3	40.62	12.675	
8,400.0	7,843.7	8,572.6	7,985.0	22.2	24.7	106.04	744.2	679.2	515.0	472.1	42.84	12.021	
8,500.0	7,843.5	8,672.6	7,985.0	23.5	25.8	106.06	844.2	679.6	515.0	469.8	45.26	11.378	
8,600.0	7,843.3	8,772.6	7,985.0	24.8	27.1	106.08	944.2	679.9	515.1	467.2	47.85	10.765	
8,700.0	7,843.1	8,872.6	7,985.0	26.3	28.4	106.10	1,044.2	680.3	515.2	464.6	50.57	10.186	
8,800.0	7,842.9	8,972.6	7,985.0	27.7	29.8	106.12	1,144.2	680.6	515.2	461.8	53.42	9.645	
8,900.0	7,842.7	9,072.6	7,985.0	29.3	31.2	106.14	1,244.2	680.9	515.3	458.9	56.35	9.143	
9,000.0	7,842.5	9,172.6	7,985.0	30.9	32.7	106.16	1,344.2	681.3	515.3	455.9	59.38	8.679	
9,100.0	7,842.3	9,272.6	7,985.0	32.5	34.2	106.19	1,444.2	681.6	515.4	452.9	62.47	8.250	
9,200.0	7,842.1	9,372.6	7,985.0	34.1	35.8	106.21	1,544.2	681.9	515.4	449.8	65.63	7.854	
9,300.0	7,841.9	9,472.6	7,985.0	35.8	37.4	106.23	1,644.2	682.3	515.5	446.7	68.84	7.489	
9,400.0	7,841.7	9,572.6	7,985.0	37.5	39.0	106.25	1,744.2	682.6	515.5	443.5	72.09	7.151	
9,500.0	7,841.5	9,672.6	7,985.0	39.2	40.7	106.27	1,844.2	683.0	515.6	440.2	75.38	6.840	
9,600.0	7,841.3	9,772.6	7,985.0	41.0	42.4	106.29	1,944.2	683.3	515.7	437.0	78.71	6.551	
9,700.0	7,841.1	9,872.6	7,985.0	42.7	44.1	106.31	2,044.2	683.6	515.7	433.6	82.07	6.284	
9,800.0	7,840.9	9,972.6	7,985.0	44.5	45.8	106.33	2,144.2	684.0	515.8	430.3	85.46	6.036	
9,900.0	7,840.8	10,072.6	7,985.0	46.2	47.5	106.35	2,244.2	684.3	515.8	427.0	88.86	5.805	
10,000.0	7,840.6	10,172.6	7,985.0	48.0	49.3	106.38	2,344.2	684.7	515.9	423.6	92.29	5.590	
10,100.0	7,840.4	10,272.6	7,985.0	49.8	51.0	106.40	2,444.2	685.0	515.9	420.2	95.74	5.389	
10,200.0	7,840.2	10,372.6	7,985.0	51.6	52.8	106.42	2,544.2	685.3	516.0	416.8	99.21	5.201	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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	7,840.0	10,472.6	7,985.0	53.4	54.6	106.44	2,644.2	685.7	516.1	413.4	102.68	5.026	
10,400.0	7,839.8	10,572.6	7,985.0	55.3	56.3	106.46	2,744.2	686.0	516.1	409.9	106.18	4.861	
10,500.0	7,839.6	10,672.6	7,985.0	57.1	58.1	106.48	2,844.2	686.3	516.2	406.5	109.68	4.706	
10,600.0	7,839.4	10,772.6	7,985.0	58.9	59.9	106.50	2,944.2	686.7	516.2	403.0	113.20	4.561	
10,700.0	7,839.2	10,872.6	7,985.0	60.7	61.7	106.52	3,044.2	687.0	516.3	399.6	116.72	4.423	
10,800.0	7,839.0	10,972.6	7,985.0	62.6	63.6	106.54	3,144.2	687.4	516.4	396.1	120.25	4.294	
10,900.0	7,838.8	11,072.6	7,985.0	64.4	65.4	106.57	3,244.2	687.7	516.4	392.6	123.79	4.172	
11,000.0	7,838.6	11,172.6	7,985.0	66.3	67.2	106.59	3,344.2	688.0	516.5	389.1	127.34	4.056	
11,100.0	7,838.4	11,272.6	7,985.0	68.1	69.0	106.61	3,444.2	688.4	516.5	385.6	130.90	3.946	
11,200.0	7,838.2	11,372.6	7,985.0	70.0	70.9	106.63	3,544.2	688.7	516.6	382.1	134.46	3.842	
11,300.0	7,838.0	11,472.6	7,985.0	71.8	72.7	106.65	3,644.2	689.0	516.6	378.6	138.02	3.743	
11,400.0	7,837.8	11,572.6	7,985.0	73.7	74.5	106.67	3,744.2	689.4	516.7	375.1	141.60	3.649	
11,500.0	7,837.6	11,672.6	7,985.0	75.6	76.4	106.69	3,844.2	689.7	516.8	371.6	145.17	3.560	
11,600.0	7,837.4	11,772.6	7,985.0	77.4	78.2	106.71	3,944.2	690.1	516.8	368.1	148.75	3.474	
11,700.0	7,837.2	11,872.6	7,985.0	79.3	80.1	106.73	4,044.2	690.4	516.9	364.5	152.34	3.393	
11,800.0	7,837.0	11,972.6	7,985.0	81.2	81.9	106.75	4,144.2	690.7	516.9	361.0	155.92	3.315	
11,900.0	7,836.8	12,072.6	7,985.0	83.0	83.8	106.78	4,244.2	691.1	517.0	357.5	159.51	3.241	
12,000.0	7,836.6	12,172.6	7,985.0	84.9	85.7	106.80	4,344.2	691.4	517.1	353.9	163.11	3.170	
12,100.0	7,836.4	12,272.6	7,985.0	86.8	87.5	106.82	4,444.2	691.8	517.1	350.4	166.70	3.102	
12,200.0	7,836.2	12,372.6	7,985.0	88.7	89.4	106.84	4,544.2	692.1	517.2	346.9	170.30	3.037	
12,300.0	7,836.0	12,472.6	7,985.0	90.5	91.2	106.86	4,644.2	692.4	517.2	343.3	173.90	2.974	
12,400.0	7,835.8	12,572.6	7,985.0	92.4	93.1	106.88	4,744.2	692.8	517.3	339.8	177.51	2.914	
12,500.0	7,835.6	12,672.6	7,985.0	94.3	95.0	106.90	4,844.2	693.1	517.3	336.2	181.11	2.856	
12,600.0	7,835.4	12,772.6	7,985.0	96.2	96.9	106.92	4,944.2	693.4	517.4	332.7	184.72	2.801	
12,700.0	7,835.2	12,872.6	7,985.0	98.1	98.7	106.94	5,044.2	693.8	517.5	329.1	188.33	2.748	
12,800.0	7,835.0	12,972.6	7,985.0	100.0	100.6	106.96	5,144.2	694.1	517.5	325.6	191.94	2.696	
12,900.0	7,834.8	13,072.6	7,985.0	101.8	102.5	106.99	5,244.2	694.5	517.6	322.0	195.55	2.647	
13,000.0	7,834.6	13,172.6	7,985.0	103.7	104.4	107.01	5,344.2	694.8	517.6	318.5	199.17	2.599	
13,100.0	7,834.4	13,272.6	7,985.0	105.6	106.2	107.03	5,444.2	695.1	517.7	314.9	202.78	2.553	
13,200.0	7,834.2	13,372.6	7,985.0	107.5	108.1	107.05	5,544.2	695.5	517.8	311.4	206.39	2.509	
13,300.0	7,834.0	13,472.6	7,985.0	109.4	110.0	107.07	5,644.2	695.8	517.8	307.8	210.01	2.466	
13,400.0	7,833.8	13,572.6	7,985.0	111.3	111.9	107.09	5,744.2	696.1	517.9	304.3	213.63	2.424	
13,500.0	7,833.6	13,672.6	7,985.0	113.2	113.8	107.11	5,844.2	696.5	517.9	300.7	217.25	2.384	
13,600.0	7,833.4	13,772.6	7,985.0	115.1	115.6	107.13	5,944.2	696.8	518.0	297.1	220.87	2.345	
13,700.0	7,833.2	13,872.6	7,985.0	117.0	117.5	107.15	6,044.2	697.2	518.1	293.6	224.48	2.308	
13,800.0	7,833.0	13,972.6	7,985.0	118.9	119.4	107.17	6,144.2	697.5	518.1	290.0	228.10	2.271	
13,900.0	7,832.8	14,072.6	7,985.0	120.8	121.3	107.20	6,244.2	697.8	518.2	286.5	231.72	2.236	
14,000.0	7,832.6	14,172.6	7,985.0	122.7	123.2	107.22	6,344.2	698.2	518.2	282.9	235.35	2.202	
14,100.0	7,832.4	14,272.6	7,985.0	124.6	125.1	107.24	6,444.2	698.5	518.3	279.3	238.97	2.169	
14,200.0	7,832.2	14,372.6	7,985.0	126.4	127.0	107.26	6,544.2	698.8	518.4	275.8	242.59	2.137	
14,300.0	7,832.0	14,472.6	7,985.0	128.3	128.9	107.28	6,644.2	699.2	518.4	272.2	246.21	2.106	
14,400.0	7,831.8	14,572.6	7,985.0	130.2	130.7	107.30	6,744.2	699.5	518.5	268.7	249.83	2.075	
14,500.0	7,831.6	14,672.6	7,985.0	132.1	132.6	107.32	6,844.2	699.9	518.5	265.1	253.46	2.046	
14,600.0	7,831.4	14,772.6	7,985.0	134.0	134.5	107.34	6,944.2	700.2	518.6	261.5	257.08	2.017	
14,700.0	7,831.2	14,872.6	7,985.0	135.9	136.4	107.36	7,044.2	700.5	518.7	258.0	260.70	1.990	
14,800.0	7,831.0	14,972.6	7,985.0	137.8	138.3	107.38	7,144.2	700.9	518.7	254.4	264.33	1.962	
14,900.0	7,830.8	15,072.6	7,985.0	139.7	140.2	107.40	7,244.2	701.2	518.8	250.8	267.95	1.936	
15,000.0	7,830.6	15,172.6	7,985.0	141.6	142.1	107.42	7,344.2	701.6	518.9	247.3	271.57	1.911	
15,100.0	7,830.4	15,272.6	7,985.0	143.5	144.0	107.45	7,444.2	701.9	518.9	243.7	275.19	1.886	
15,200.0	7,830.2	15,372.6	7,985.0	145.4	145.9	107.47	7,544.2	702.2	519.0	240.2	278.82	1.861	
15,300.0	7,830.0	15,472.6	7,985.0	147.3	147.8	107.49	7,644.2	702.6	519.0	236.6	282.44	1.838	
15,400.0	7,829.8	15,572.6	7,985.0	149.2	149.7	107.51	7,744.2	702.9	519.1	233.0	286.06	1.815	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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	7,829.6	15,672.6	7,985.0	151.1	151.6	107.53	7,844.2	703.2	519.2	229.5	289.69	1.792	
15,600.0	7,829.4	15,772.6	7,985.0	153.0	153.5	107.55	7,944.2	703.6	519.2	225.9	293.31	1.770	
15,700.0	7,829.2	15,872.6	7,985.0	154.9	155.4	107.57	8,044.2	703.9	519.3	222.3	296.93	1.749	
15,800.0	7,829.0	15,972.6	7,985.0	156.8	157.3	107.59	8,144.2	704.3	519.3	218.8	300.55	1.728	
15,900.0	7,828.8	16,072.6	7,985.0	158.7	159.2	107.61	8,244.2	704.6	519.4	215.2	304.18	1.708	
16,000.0	7,828.6	16,172.6	7,985.0	160.6	161.1	107.63	8,344.2	704.9	519.5	211.7	307.80	1.688	
16,100.0	7,828.4	16,272.6	7,985.0	162.6	163.0	107.65	8,444.1	705.3	519.5	208.1	311.42	1.668	
16,200.0	7,828.2	16,372.6	7,985.0	164.5	164.9	107.67	8,544.1	705.6	519.6	204.5	315.04	1.649	
16,300.0	7,828.0	16,472.6	7,985.0	166.4	166.8	107.70	8,644.1	705.9	519.6	201.0	318.66	1.631	
16,323.8	7,828.0	16,496.4	7,985.0	166.8	167.2	107.70	8,668.0	706.0	519.7	200.1	319.53	1.626	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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	0.0	0.0	0.0	0.0	91.38	-0.4	15.1	15.1	15.1	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	91.38	-0.4	15.1	15.1	14.9	0.22	67.353	
200.0	200.0	200.0	200.0	0.3	0.3	91.38	-0.4	15.1	15.1	14.5	0.67	22.451	
300.0	300.0	300.0	300.0	0.6	0.6	91.38	-0.4	15.1	15.1	14.0	1.12	13.471	
400.0	400.0	400.0	400.0	0.8	0.8	91.38	-0.4	15.1	15.1	13.6	1.57	9.622	
500.0	500.0	500.0	500.0	1.0	1.0	91.38	-0.4	15.1	15.1	13.1	2.02	7.484	
600.0	600.0	600.0	600.0	1.2	1.2	91.38	-0.4	15.1	15.1	12.7	2.47	6.123	
700.0	700.0	700.0	700.0	1.5	1.5	91.38	-0.4	15.1	15.1	12.2	2.92	5.181	
800.0	800.0	800.0	800.0	1.7	1.7	91.38	-0.4	15.1	15.1	11.8	3.37	4.490	
900.0	900.0	900.0	900.0	1.9	1.9	91.38	-0.4	15.1	15.1	11.3	3.82	3.962	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	91.38	-0.4	15.1	15.1	10.9	4.27	3.545	
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	91.38	-0.4	15.1	15.1	10.4	4.72	3.207	
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	91.38	-0.4	15.1	15.1	10.0	5.17	2.928	
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	91.38	-0.4	15.1	15.1	9.5	5.62	2.694	
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	91.38	-0.4	15.1	15.1	9.1	6.07	2.495	
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	91.38	-0.4	15.1	15.1	8.6	6.52	2.323	CC, ES
1,600.0	1,600.0	1,599.4	1,599.4	3.5	3.5	92.49	-0.7	16.8	16.8	9.9	6.95	2.424	
1,700.0	1,700.0	1,698.6	1,698.5	3.7	3.7	94.77	-1.8	21.9	22.0	14.6	7.37	2.983	
1,800.0	1,800.0	1,797.4	1,796.8	3.9	3.9	96.86	-3.6	30.2	30.6	22.8	7.80	3.922	
1,900.0	1,900.0	1,896.1	1,894.9	4.2	4.1	98.33	-6.1	41.5	42.2	34.0	8.24	5.124	
2,000.0	2,000.0	1,995.4	1,993.4	4.4	4.3	99.21	-8.6	53.3	54.3	45.7	8.69	6.253	
2,100.0	2,100.0	2,094.6	2,091.9	4.6	4.6	99.76	-11.2	65.0	66.5	57.3	9.15	7.265	
2,200.0	2,200.0	2,193.9	2,190.5	4.8	4.8	100.14	-13.7	76.8	78.6	69.0	9.62	8.175	
2,300.0	2,300.0	2,293.1	2,289.0	5.1	5.1	100.42	-16.3	88.6	90.7	80.7	10.09	8.995	
2,400.0	2,400.0	2,392.4	2,387.5	5.3	5.4	100.64	-18.8	100.4	102.9	92.3	10.57	9.737	
2,500.0	2,500.0	2,491.7	2,486.0	5.5	5.6	100.80	-21.4	112.1	115.0	104.0	11.05	10.411	
2,600.0	2,600.0	2,591.1	2,584.7	5.7	5.9	-19.85	-24.0	123.9	125.5	114.3	11.24	11.167	
2,700.0	2,699.8	2,690.8	2,683.7	5.9	6.2	-20.43	-26.5	135.8	132.8	121.1	11.63	11.412	
2,800.0	2,799.5	2,790.7	2,782.9	6.1	6.5	-21.47	-29.1	147.6	136.9	124.9	12.03	11.380	
2,900.0	2,899.0	2,890.6	2,882.0	6.3	6.8	-22.60	-31.7	159.5	140.3	127.9	12.45	11.272	
3,000.0	2,998.6	2,990.5	2,981.2	6.5	7.1	-23.68	-34.2	171.3	143.8	130.9	12.87	11.169	
3,100.0	3,098.1	3,090.4	3,080.4	6.7	7.4	-24.71	-36.8	183.2	147.3	134.0	13.30	11.072	
3,200.0	3,197.7	3,190.3	3,179.5	6.9	7.7	-25.69	-39.4	195.0	150.9	137.1	13.74	10.979	
3,300.0	3,297.2	3,290.2	3,278.7	7.2	8.0	-26.63	-41.9	206.9	154.4	140.3	14.18	10.891	
3,400.0	3,396.8	3,390.1	3,377.9	7.4	8.3	-27.52	-44.5	218.7	158.1	143.5	14.63	10.807	
3,500.0	3,496.4	3,490.0	3,477.0	7.6	8.6	-28.37	-47.1	230.6	161.8	146.7	15.08	10.727	
3,600.0	3,595.9	3,589.9	3,576.2	7.9	8.9	-29.19	-49.7	242.5	165.5	149.9	15.54	10.650	
3,700.0	3,695.5	3,689.8	3,675.4	8.1	9.2	-29.97	-52.2	254.3	169.2	153.2	16.00	10.577	
3,800.0	3,795.0	3,789.7	3,774.5	8.3	9.5	-30.71	-54.8	266.2	173.0	156.5	16.46	10.507	
3,900.0	3,894.6	3,889.6	3,873.7	8.6	9.8	-31.43	-57.4	278.0	176.8	159.8	16.93	10.439	
4,000.0	3,994.1	3,989.5	3,972.9	8.8	10.1	-32.11	-59.9	289.9	180.6	163.2	17.41	10.375	
4,100.0	4,093.7	4,089.5	4,072.0	9.1	10.4	-32.76	-62.5	301.7	184.4	166.6	17.88	10.313	
4,200.0	4,193.2	4,189.4	4,171.2	9.3	10.7	-33.39	-65.1	313.6	188.3	169.9	18.37	10.253	
4,300.0	4,292.8	4,289.3	4,270.3	9.6	11.0	-33.99	-67.7	325.4	192.2	173.4	18.85	10.196	
4,400.0	4,392.4	4,389.2	4,369.5	9.9	11.3	-34.57	-70.2	337.3	196.1	176.8	19.34	10.141	
4,500.0	4,491.9	4,489.1	4,468.7	10.1	11.7	-35.13	-72.8	349.1	200.0	180.2	19.83	10.088	
4,600.0	4,591.5	4,589.0	4,567.8	10.4	12.0	-35.66	-75.4	361.0	204.0	183.7	20.32	10.037	
4,700.0	4,691.0	4,688.9	4,667.0	10.6	12.3	-36.18	-77.9	372.9	208.0	187.1	20.82	9.988	
4,800.0	4,790.6	4,788.8	4,766.2	10.9	12.6	-36.60	-80.5	384.7	212.5	191.1	21.31	9.969	
4,900.0	4,890.5	4,888.5	4,865.2	11.1	12.9	-36.56	-83.1	396.5	219.5	197.8	21.75	10.092	
5,000.0	4,990.5	4,988.0	4,963.9	11.3	13.2	-36.03	-85.6	408.3	229.4	207.3	22.16	10.355	
5,100.0	5,090.5	5,087.2	5,062.4	11.5	13.5	85.42	-88.2	420.1	241.0	218.5	22.57	10.679	

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 L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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	5,190.5	5,186.5	5,160.9	11.7	13.9	86.22	-90.7	431.9	252.7	229.7	22.99	10.990	
5,300.0	5,290.5	5,285.8	5,259.5	11.9	14.2	86.94	-93.3	443.7	264.4	241.0	23.42	11.290	
5,400.0	5,390.5	5,385.0	5,358.0	12.1	14.5	87.61	-95.8	455.5	276.1	252.3	23.84	11.580	
5,500.0	5,490.5	5,484.3	5,456.5	12.3	14.8	88.22	-98.4	467.2	287.9	263.6	24.27	11.860	
5,600.0	5,590.5	5,583.5	5,555.1	12.5	15.1	88.78	-101.0	479.0	299.7	275.0	24.70	12.131	
5,700.0	5,690.5	5,683.0	5,653.7	12.7	15.4	89.30	-103.5	490.8	311.5	286.4	25.14	12.392	
5,800.0	5,790.5	5,794.5	5,764.7	12.9	15.7	89.75	-105.9	501.9	321.4	295.9	25.55	12.579	
5,900.0	5,890.5	5,906.7	5,876.7	13.1	15.9	90.02	-107.4	508.7	327.5	301.6	25.96	12.615	
6,000.0	5,990.5	6,019.3	5,989.2	13.3	16.1	90.11	-108.0	511.3	329.8	303.4	26.38	12.504	
6,100.0	6,090.5	6,120.5	6,090.5	13.5	16.3	90.12	-108.0	511.3	329.8	303.1	26.78	12.314	
6,200.0	6,190.5	6,220.5	6,190.5	13.8	16.4	90.12	-108.0	511.3	329.8	302.6	27.19	12.129	
6,300.0	6,290.5	6,320.5	6,290.5	14.0	16.6	90.12	-108.0	511.3	329.8	302.2	27.61	11.948	
6,400.0	6,390.5	6,420.5	6,390.5	14.2	16.8	90.12	-108.0	511.3	329.8	301.8	28.02	11.772	
6,500.0	6,490.5	6,520.5	6,490.5	14.4	16.9	90.12	-108.0	511.3	329.8	301.4	28.43	11.600	
6,600.0	6,590.5	6,620.5	6,590.5	14.6	17.1	90.12	-108.0	511.3	329.8	301.0	28.85	11.433	
6,700.0	6,690.5	6,720.5	6,690.5	14.8	17.3	90.12	-108.0	511.3	329.8	300.6	29.26	11.271	
6,800.0	6,790.5	6,820.5	6,790.5	15.0	17.5	90.12	-108.0	511.3	329.8	300.2	29.68	11.113	
6,900.0	6,890.5	6,920.5	6,890.5	15.2	17.7	90.12	-108.0	511.3	329.8	299.7	30.10	10.958	
7,000.0	6,990.5	7,020.5	6,990.5	15.4	17.8	90.12	-108.0	511.3	329.8	299.3	30.52	10.808	
7,046.8	7,037.2	7,067.3	7,037.2	15.5	17.9	90.12	-108.0	511.3	329.8	299.1	30.71	10.739	
7,100.0	7,090.5	7,120.4	7,090.3	15.7	18.0	89.79	-106.1	511.3	329.8	298.9	30.94	10.660	
7,200.0	7,190.4	7,218.7	7,187.5	15.9	18.2	87.62	-92.2	511.4	330.1	298.7	31.38	10.521	
7,300.0	7,289.1	7,315.2	7,280.3	16.1	18.3	85.52	-65.8	511.5	330.9	299.1	31.77	10.414	
7,400.0	7,384.7	7,410.3	7,367.3	16.2	18.4	83.52	-27.8	511.6	332.0	299.9	32.11	10.337	
7,500.0	7,475.3	7,504.0	7,447.5	16.4	18.5	81.67	20.7	511.8	333.4	301.0	32.44	10.279	
7,600.0	7,559.1	7,596.6	7,519.8	16.5	18.7	80.00	78.5	512.0	335.0	302.2	32.79	10.217	
7,700.0	7,634.6	7,688.2	7,583.3	16.7	18.8	78.52	144.3	512.2	336.6	303.4	33.23	10.130	
7,800.0	7,700.1	7,778.8	7,637.4	17.0	19.0	77.26	217.0	512.4	338.2	304.4	33.85	9.992	
7,900.0	7,754.5	7,868.8	7,681.6	17.5	19.3	76.22	295.3	512.7	339.6	304.9	34.71	9.785	
8,000.0	7,796.7	7,958.3	7,715.4	18.1	19.8	75.44	378.0	512.9	340.8	304.9	35.88	9.498	
8,100.0	7,825.8	8,050.0	7,739.1	19.0	20.4	74.89	466.6	513.2	341.7	304.3	37.41	9.133	
8,100.5	7,825.9	8,050.0	7,739.1	19.0	20.4	74.89	466.6	513.2	341.7	304.3	37.42	9.132	
8,200.0	7,841.4	8,136.1	7,750.9	19.9	21.2	74.62	551.8	513.5	342.1	302.9	39.23	8.720	
8,300.0	7,843.9	8,228.9	7,752.9	21.0	22.1	74.58	644.6	513.8	342.2	300.9	41.33	8.280	
8,400.0	7,843.7	8,328.9	7,752.7	22.2	23.3	74.58	744.6	514.2	342.2	298.5	43.64	7.841	
8,500.0	7,843.5	8,428.9	7,752.6	23.5	24.5	74.58	844.6	514.5	342.2	296.0	46.13	7.417	
8,600.0	7,843.3	8,528.9	7,752.4	24.8	25.8	74.58	944.6	514.9	342.2	293.4	48.78	7.014	
8,700.0	7,843.1	8,628.9	7,752.2	26.3	27.2	74.59	1,044.6	515.2	342.2	290.6	51.56	6.636	
8,800.0	7,842.9	8,728.9	7,752.0	27.7	28.7	74.59	1,144.6	515.5	342.2	287.7	54.46	6.284	
8,900.0	7,842.7	8,828.9	7,751.8	29.3	30.2	74.59	1,244.6	515.9	342.2	284.7	57.44	5.957	
9,000.0	7,842.5	8,928.9	7,751.6	30.9	31.7	74.59	1,344.6	516.2	342.2	281.7	60.51	5.655	
9,100.0	7,842.3	9,028.9	7,751.4	32.5	33.3	74.60	1,444.6	516.5	342.2	278.5	63.65	5.376	
9,200.0	7,842.1	9,128.9	7,751.3	34.1	34.9	74.60	1,544.6	516.9	342.2	275.3	66.84	5.119	
9,300.0	7,841.9	9,228.9	7,751.1	35.8	36.6	74.60	1,644.6	517.2	342.2	272.1	70.09	4.882	
9,400.0	7,841.7	9,328.9	7,750.9	37.5	38.2	74.60	1,744.6	517.6	342.2	268.8	73.38	4.663	
9,500.0	7,841.5	9,428.9	7,750.7	39.2	39.9	74.60	1,844.6	517.9	342.2	265.5	76.70	4.461	
9,600.0	7,841.3	9,528.9	7,750.5	41.0	41.6	74.61	1,944.6	518.2	342.2	262.1	80.07	4.274	
9,700.0	7,841.1	9,628.9	7,750.3	42.7	43.4	74.61	2,044.6	518.6	342.2	258.7	83.46	4.100	
9,800.0	7,840.9	9,728.9	7,750.1	44.5	45.1	74.61	2,144.6	518.9	342.2	255.3	86.88	3.939	
9,900.0	7,840.8	9,828.9	7,750.0	46.2	46.9	74.61	2,244.6	519.3	342.2	251.8	90.32	3.788	
10,000.0	7,840.6	9,928.9	7,749.8	48.0	48.6	74.61	2,344.6	519.6	342.2	248.4	93.78	3.649	
10,100.0	7,840.4	10,028.9	7,749.6	49.8	50.4	74.62	2,444.6	519.9	342.2	244.9	97.26	3.518	

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 L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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
10,200.0	7,840.2	10,128.9	7,749.4	51.6	52.2	74.62	2,544.6	520.3	342.2	241.4	100.76	3.396	
10,300.0	7,840.0	10,228.9	7,749.2	53.4	54.0	74.62	2,644.6	520.6	342.2	237.9	104.27	3.281	
10,400.0	7,839.8	10,328.9	7,749.0	55.3	55.8	74.62	2,744.6	520.9	342.2	234.4	107.80	3.174	
10,500.0	7,839.6	10,428.9	7,748.8	57.1	57.6	74.62	2,844.6	521.3	342.2	230.8	111.33	3.073	
10,600.0	7,839.4	10,528.9	7,748.7	58.9	59.4	74.63	2,944.6	521.6	342.2	227.3	114.88	2.978	
10,700.0	7,839.2	10,628.9	7,748.5	60.7	61.2	74.63	3,044.6	522.0	342.2	223.7	118.44	2.889	
10,800.0	7,839.0	10,728.9	7,748.3	62.6	63.1	74.63	3,144.6	522.3	342.2	220.1	122.01	2.804	
10,900.0	7,838.8	10,828.9	7,748.1	64.4	64.9	74.63	3,244.6	522.6	342.2	216.6	125.59	2.724	
11,000.0	7,838.6	10,928.9	7,747.9	66.3	66.7	74.64	3,344.6	523.0	342.2	213.0	129.17	2.649	
11,100.0	7,838.4	11,028.9	7,747.7	68.1	68.6	74.64	3,444.6	523.3	342.2	209.4	132.76	2.577	
11,200.0	7,838.2	11,128.9	7,747.5	70.0	70.4	74.64	3,544.6	523.7	342.2	205.8	136.36	2.509	
11,300.0	7,838.0	11,228.9	7,747.3	71.8	72.3	74.64	3,644.6	524.0	342.1	202.2	139.96	2.445	
11,400.0	7,837.8	11,328.9	7,747.2	73.7	74.1	74.64	3,744.6	524.3	342.1	198.6	143.57	2.383	
11,500.0	7,837.6	11,428.9	7,747.0	75.6	76.0	74.65	3,844.6	524.7	342.1	195.0	147.19	2.325	
11,600.0	7,837.4	11,528.9	7,746.8	77.4	77.8	74.65	3,944.6	525.0	342.1	191.3	150.81	2.269	
11,700.0	7,837.2	11,628.9	7,746.6	79.3	79.7	74.65	4,044.6	525.3	342.1	187.7	154.43	2.215	
11,800.0	7,837.0	11,728.9	7,746.4	81.2	81.6	74.65	4,144.6	525.7	342.1	184.1	158.06	2.165	
11,900.0	7,836.8	11,828.9	7,746.2	83.0	83.4	74.65	4,244.6	526.0	342.1	180.4	161.69	2.116	
12,000.0	7,836.6	11,928.9	7,746.0	84.9	85.3	74.66	4,344.6	526.4	342.1	176.8	165.33	2.069	
12,100.0	7,836.4	12,028.9	7,745.9	86.8	87.2	74.66	4,444.6	526.7	342.1	173.2	168.97	2.025	
12,200.0	7,836.2	12,128.9	7,745.7	88.7	89.0	74.66	4,544.6	527.0	342.1	169.5	172.61	1.982	
12,300.0	7,836.0	12,228.9	7,745.5	90.5	90.9	74.66	4,644.6	527.4	342.1	165.9	176.26	1.941	
12,400.0	7,835.8	12,328.9	7,745.3	92.4	92.8	74.66	4,744.6	527.7	342.1	162.2	179.91	1.902	
12,500.0	7,835.6	12,428.9	7,745.1	94.3	94.7	74.67	4,844.6	528.1	342.1	158.6	183.56	1.864	
12,600.0	7,835.4	12,528.9	7,744.9	96.2	96.5	74.67	4,944.6	528.4	342.1	154.9	187.21	1.828	
12,700.0	7,835.2	12,628.9	7,744.7	98.1	98.4	74.67	5,044.6	528.7	342.1	151.3	190.87	1.793	
12,800.0	7,835.0	12,728.9	7,744.6	100.0	100.3	74.67	5,144.6	529.1	342.1	147.6	194.52	1.759	
12,900.0	7,834.8	12,828.9	7,744.4	101.8	102.2	74.67	5,244.6	529.4	342.1	143.9	198.18	1.726	
13,000.0	7,834.6	12,928.9	7,744.2	103.7	104.1	74.68	5,344.6	529.7	342.1	140.3	201.85	1.695	
13,100.0	7,834.4	13,028.9	7,744.0	105.6	106.0	74.68	5,444.6	530.1	342.1	136.6	205.51	1.665	
13,200.0	7,834.2	13,128.9	7,743.8	107.5	107.8	74.68	5,544.6	530.4	342.1	133.0	209.18	1.636	
13,300.0	7,834.0	13,228.9	7,743.6	109.4	109.7	74.68	5,644.6	530.8	342.1	129.3	212.85	1.607	
13,400.0	7,833.8	13,328.9	7,743.4	111.3	111.6	74.69	5,744.6	531.1	342.1	125.6	216.51	1.580	
13,500.0	7,833.6	13,428.9	7,743.3	113.2	113.5	74.69	5,844.6	531.4	342.1	121.9	220.19	1.554	
13,600.0	7,833.4	13,528.9	7,743.1	115.1	115.4	74.69	5,944.6	531.8	342.1	118.3	223.86	1.528	
13,700.0	7,833.2	13,628.9	7,742.9	117.0	117.3	74.69	6,044.6	532.1	342.1	114.6	227.53	1.504	
13,800.0	7,833.0	13,728.9	7,742.7	118.9	119.2	74.69	6,144.6	532.5	342.1	110.9	231.21	1.480	Level 3
13,900.0	7,832.8	13,828.9	7,742.5	120.8	121.1	74.70	6,244.6	532.8	342.1	107.2	234.88	1.457	Level 3
14,000.0	7,832.6	13,928.9	7,742.3	122.7	123.0	74.70	6,344.6	533.1	342.1	103.6	238.56	1.434	Level 3
14,100.0	7,832.4	14,028.9	7,742.1	124.6	124.8	74.70	6,444.6	533.5	342.1	99.9	242.24	1.412	Level 3
14,200.0	7,832.2	14,128.9	7,742.0	126.4	126.7	74.70	6,544.6	533.8	342.1	96.2	245.92	1.391	Level 3
14,300.0	7,832.0	14,228.9	7,741.8	128.3	128.6	74.70	6,644.6	534.2	342.1	92.5	249.60	1.371	Level 3
14,400.0	7,831.8	14,328.9	7,741.6	130.2	130.5	74.71	6,744.6	534.5	342.1	88.8	253.28	1.351	Level 3
14,500.0	7,831.6	14,428.9	7,741.4	132.1	132.4	74.71	6,844.5	534.8	342.1	85.1	256.97	1.331	Level 3
14,600.0	7,831.4	14,528.9	7,741.2	134.0	134.3	74.71	6,944.5	535.2	342.1	81.5	260.65	1.313	Level 3
14,700.0	7,831.2	14,628.9	7,741.0	135.9	136.2	74.71	7,044.5	535.5	342.1	77.8	264.34	1.294	Level 3
14,800.0	7,831.0	14,728.9	7,740.8	137.8	138.1	74.71	7,144.5	535.8	342.1	74.1	268.02	1.276	Level 3
14,900.0	7,830.8	14,828.9	7,740.7	139.7	140.0	74.72	7,244.5	536.2	342.1	70.4	271.71	1.259	Level 3
15,000.0	7,830.6	14,928.9	7,740.5	141.6	141.9	74.72	7,344.5	536.5	342.1	66.7	275.40	1.242	Level 2
15,100.0	7,830.4	15,028.9	7,740.3	143.5	143.8	74.72	7,444.5	536.9	342.1	63.0	279.09	1.226	Level 2
15,200.0	7,830.2	15,128.9	7,740.1	145.4	145.7	74.72	7,544.5	537.2	342.1	59.3	282.77	1.210	Level 2
15,300.0	7,830.0	15,228.9	7,739.9	147.3	147.6	74.73	7,644.5	537.5	342.1	55.6	286.46	1.194	Level 2

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 L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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
15,400.0	7,829.8	15,328.9	7,739.7	149.2	149.5	74.73	7,744.5	537.9	342.1	51.9	290.16	1.179	Level 2
15,500.0	7,829.6	15,428.9	7,739.5	151.1	151.4	74.73	7,844.5	538.2	342.1	48.3	293.85	1.164	Level 2
15,600.0	7,829.4	15,528.9	7,739.3	153.0	153.3	74.73	7,944.5	538.6	342.1	44.6	297.54	1.150	Level 2
15,700.0	7,829.2	15,628.9	7,739.2	154.9	155.2	74.73	8,044.5	538.9	342.1	40.9	301.23	1.136	Level 2
15,800.0	7,829.0	15,728.9	7,739.0	156.8	157.1	74.74	8,144.5	539.2	342.1	37.2	304.92	1.122	Level 2
15,900.0	7,828.8	15,828.9	7,738.8	158.7	159.0	74.74	8,244.5	539.6	342.1	33.5	308.62	1.108	Level 2
16,000.0	7,828.6	15,928.9	7,738.6	160.6	160.9	74.74	8,344.5	539.9	342.1	29.8	312.31	1.095	Level 2
16,100.0	7,828.4	16,028.9	7,738.4	162.6	162.8	74.74	8,444.5	540.2	342.1	26.1	316.01	1.083	Level 2
16,200.0	7,828.2	16,128.9	7,738.2	164.5	164.7	74.74	8,544.5	540.6	342.1	22.4	319.70	1.070	Level 2
16,300.0	7,828.0	16,228.9	7,738.0	166.4	166.6	74.75	8,644.5	540.9	342.1	18.7	323.40	1.058	Level 2
16,323.8	7,828.0	16,252.8	7,738.0	166.8	167.1	74.75	8,668.4	541.0	342.1	17.8	324.28	1.055	Level 2, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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	90.92	-0.7	45.1	45.1				
100.0	100.0	99.0	99.0	0.1	0.1	90.92	-0.7	45.1	45.1	44.9	0.22	201.787	
200.0	200.0	199.0	199.0	0.3	0.3	90.92	-0.7	45.1	45.1	44.5	0.67	67.150	
300.0	300.0	299.0	299.0	0.6	0.6	90.92	-0.7	45.1	45.1	44.0	1.12	40.236	
400.0	400.0	399.0	399.0	0.8	0.8	90.92	-0.7	45.1	45.1	43.6	1.57	28.724	
500.0	500.0	499.0	499.0	1.0	1.0	90.92	-0.7	45.1	45.1	43.1	2.02	22.334	
600.0	600.0	599.0	599.0	1.2	1.2	90.92	-0.7	45.1	45.1	42.7	2.47	18.269	
700.0	700.0	699.0	699.0	1.5	1.5	90.92	-0.7	45.1	45.1	42.2	2.92	15.456	
800.0	800.0	799.0	799.0	1.7	1.7	90.92	-0.7	45.1	45.1	41.8	3.37	13.394	CC, ES
900.0	900.0	897.4	897.4	1.9	1.9	91.16	-1.0	46.8	46.8	43.0	3.80	12.313	
1,000.0	1,000.0	995.6	995.5	2.1	2.1	91.80	-1.6	51.7	51.9	47.7	4.23	12.278	SF
1,100.0	1,100.0	1,093.4	1,092.9	2.4	2.3	92.61	-2.7	60.0	60.4	55.7	4.66	12.950	
1,200.0	1,200.0	1,190.4	1,189.2	2.6	2.5	93.43	-4.3	71.4	72.2	67.1	5.11	14.126	
1,300.0	1,300.0	1,288.1	1,285.9	2.8	2.8	94.15	-6.2	85.8	87.0	81.4	5.59	15.563	
1,400.0	1,400.0	1,387.0	1,383.6	3.0	3.1	94.68	-8.2	100.6	102.1	96.0	6.08	16.790	
1,500.0	1,500.0	1,485.8	1,481.3	3.3	3.4	95.07	-10.2	115.4	117.2	110.6	6.58	17.804	
1,600.0	1,600.0	1,584.7	1,579.0	3.5	3.7	95.37	-12.2	130.2	132.3	125.2	7.10	18.651	
1,700.0	1,700.0	1,683.5	1,676.7	3.7	4.0	95.61	-14.2	145.1	147.5	139.8	7.61	19.366	
1,800.0	1,800.0	1,782.4	1,774.4	3.9	4.4	95.80	-16.2	159.9	162.6	154.4	8.14	19.976	
1,900.0	1,900.0	1,881.2	1,872.1	4.2	4.7	95.96	-18.3	174.7	177.7	169.0	8.67	20.502	
2,000.0	2,000.0	1,980.1	1,969.8	4.4	5.0	96.10	-20.3	189.5	192.8	183.6	9.20	20.959	
2,100.0	2,100.0	2,078.9	2,067.5	4.6	5.4	96.22	-22.3	204.4	208.0	198.2	9.74	21.360	
2,200.0	2,200.0	2,177.8	2,165.2	4.8	5.7	96.32	-24.3	219.2	223.1	212.8	10.27	21.714	
2,300.0	2,300.0	2,276.6	2,263.0	5.1	6.1	96.40	-26.3	234.0	238.2	227.4	10.82	22.028	
2,400.0	2,400.0	2,375.5	2,360.7	5.3	6.4	96.48	-28.3	248.8	253.4	242.0	11.36	22.309	
2,500.0	2,500.0	2,474.3	2,458.4	5.5	6.8	96.55	-30.3	263.7	268.5	256.6	11.90	22.562	
2,600.0	2,600.0	2,573.4	2,556.3	5.7	7.1	-24.01	-32.3	278.5	282.1	270.6	11.42	24.704	
2,700.0	2,699.8	2,672.8	2,654.6	5.9	7.5	-24.28	-34.3	293.4	292.4	280.6	11.84	24.699	
2,800.0	2,799.5	2,772.5	2,753.1	6.1	7.8	-24.84	-36.3	308.4	299.8	287.6	12.27	24.447	
2,900.0	2,899.0	2,872.2	2,851.7	6.3	8.2	-25.48	-38.3	323.4	306.5	293.8	12.70	24.128	
3,000.0	2,998.6	2,971.9	2,950.3	6.5	8.5	-26.09	-40.4	338.3	313.2	300.0	13.14	23.825	
3,100.0	3,098.1	3,071.7	3,048.8	6.7	8.9	-26.68	-42.4	353.3	319.9	306.3	13.59	23.535	
3,200.0	3,197.7	3,171.4	3,147.4	6.9	9.3	-27.24	-44.4	368.2	326.6	312.6	14.04	23.257	
3,300.0	3,297.2	3,271.1	3,246.0	7.2	9.6	-27.78	-46.4	383.2	333.4	318.9	14.50	22.993	
3,400.0	3,396.8	3,370.8	3,344.6	7.4	10.0	-28.30	-48.5	398.1	340.2	325.3	14.96	22.739	
3,500.0	3,496.4	3,470.6	3,443.1	7.6	10.3	-28.79	-50.5	413.1	347.1	331.6	15.43	22.497	
3,600.0	3,595.9	3,570.3	3,541.7	7.9	10.7	-29.27	-52.5	428.1	353.9	338.0	15.90	22.266	
3,700.0	3,695.5	3,670.0	3,640.3	8.1	11.1	-29.73	-54.5	443.0	360.8	344.4	16.37	22.044	
3,800.0	3,795.0	3,769.7	3,738.8	8.3	11.4	-30.17	-56.6	458.0	367.7	350.9	16.84	21.831	
3,900.0	3,894.6	3,869.4	3,837.4	8.6	11.8	-30.60	-58.6	472.9	374.6	357.3	17.32	21.628	
4,000.0	3,994.1	3,969.2	3,936.0	8.8	12.1	-31.01	-60.6	487.9	381.6	363.8	17.80	21.432	
4,100.0	4,093.7	4,068.9	4,034.6	9.1	12.5	-31.41	-62.6	502.8	388.6	370.3	18.29	21.245	
4,200.0	4,193.2	4,168.6	4,133.1	9.3	12.9	-31.79	-64.6	517.8	395.5	376.8	18.78	21.065	
4,300.0	4,292.8	4,268.3	4,231.7	9.6	13.2	-32.16	-66.7	532.8	402.5	383.3	19.27	20.893	
4,400.0	4,392.4	4,368.0	4,330.3	9.9	13.6	-32.52	-68.7	547.7	409.6	389.8	19.76	20.727	
4,500.0	4,491.9	4,467.8	4,428.9	10.1	13.9	-32.86	-70.7	562.7	416.6	396.3	20.25	20.568	
4,600.0	4,591.5	4,567.5	4,527.4	10.4	14.3	-33.19	-72.7	577.6	423.6	402.9	20.75	20.415	
4,700.0	4,691.0	4,667.2	4,626.0	10.6	14.7	-33.51	-74.8	592.6	430.7	409.5	21.25	20.267	
4,800.0	4,790.6	4,766.9	4,724.5	10.9	15.0	-33.83	-76.8	607.5	438.3	416.6	21.74	20.161	
4,900.0	4,890.5	4,866.4	4,822.9	11.1	15.4	-33.97	-78.8	622.5	448.6	426.4	22.18	20.221	
5,000.0	4,990.5	4,965.5	4,920.8	11.3	15.8	-33.90	-80.8	637.3	461.7	439.1	22.59	20.436	
5,100.0	5,090.5	5,064.3	5,018.5	11.5	16.1	87.02	-82.8	652.2	476.6	453.6	23.03	20.692	

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 L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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	5,190.5	5,163.2	5,116.2	11.7	16.5	87.35	-84.8	667.0	491.5	468.0	23.47	20.937	
5,300.0	5,290.5	5,262.0	5,214.0	11.9	16.8	87.66	-86.8	681.8	506.4	482.5	23.92	21.172	
5,400.0	5,390.5	5,360.9	5,311.7	12.1	17.2	87.95	-88.8	696.6	521.3	496.9	24.36	21.397	
5,500.0	5,490.5	5,459.7	5,409.4	12.3	17.6	88.22	-90.8	711.5	536.2	511.4	24.81	21.614	
5,600.0	5,590.5	5,558.6	5,507.1	12.5	17.9	88.48	-92.8	726.3	551.2	525.9	25.26	21.823	
5,700.0	5,690.5	5,657.4	5,604.8	12.7	18.3	88.72	-94.8	741.1	566.1	540.4	25.70	22.024	
5,800.0	5,790.5	5,756.3	5,702.5	12.9	18.6	88.96	-96.8	755.9	581.1	554.9	26.15	22.218	
5,900.0	5,890.5	5,855.1	5,800.2	13.1	19.0	89.18	-98.8	770.8	596.0	569.4	26.60	22.405	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-11-2HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (9-4-14)	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	90.70	-0.7	60.0	60.0				
100.0	100.0	99.0	99.0	0.1	0.1	90.70	-0.7	60.0	60.0	59.8	0.22	268.199	
200.0	200.0	199.0	199.0	0.3	0.3	90.70	-0.7	60.0	60.0	59.3	0.67	89.251	
300.0	300.0	299.0	299.0	0.6	0.6	90.70	-0.7	60.0	60.0	58.9	1.12	53.479	
400.0	400.0	399.0	399.0	0.8	0.8	90.70	-0.7	60.0	60.0	58.4	1.57	38.177	CC, ES
500.0	500.0	496.9	496.9	1.0	1.0	90.83	-0.9	61.6	61.7	59.6	2.00	30.773	
600.0	600.0	594.6	594.5	1.2	1.2	91.18	-1.4	66.6	66.7	64.3	2.43	27.404	
700.0	700.0	691.9	691.4	1.5	1.4	91.66	-2.2	74.8	75.2	72.3	2.88	26.084	
800.0	800.0	788.4	787.3	1.7	1.7	92.18	-3.3	86.1	87.0	83.7	3.35	25.964	SF
900.0	900.0	884.1	881.8	1.9	2.0	92.67	-4.7	100.6	102.2	98.3	3.85	26.556	
1,000.0	1,000.0	981.2	977.3	2.1	2.3	93.09	-6.4	117.8	120.0	115.6	4.38	27.421	
1,100.0	1,100.0	1,079.5	1,074.1	2.4	2.7	93.41	-8.1	135.5	138.0	133.1	4.92	28.042	
1,200.0	1,200.0	1,177.9	1,170.8	2.6	3.0	93.66	-9.8	153.2	156.1	150.6	5.48	28.484	
1,300.0	1,300.0	1,276.2	1,267.5	2.8	3.4	93.86	-11.5	170.9	174.2	168.1	6.05	28.808	
1,400.0	1,400.0	1,374.6	1,364.3	3.0	3.8	94.02	-13.3	188.6	192.3	185.6	6.62	29.052	
1,500.0	1,500.0	1,472.9	1,461.0	3.3	4.2	94.15	-15.0	206.3	210.3	203.1	7.19	29.241	
1,600.0	1,600.0	1,571.3	1,557.7	3.5	4.6	94.26	-16.7	224.0	228.4	220.6	7.77	29.390	
1,700.0	1,700.0	1,669.7	1,654.4	3.7	5.0	94.36	-18.4	241.7	246.5	238.1	8.35	29.510	
1,800.0	1,800.0	1,768.0	1,751.2	3.9	5.4	94.44	-20.2	259.4	264.6	255.6	8.94	29.609	
1,900.0	1,900.0	1,866.4	1,847.9	4.2	5.8	94.51	-21.9	277.1	282.6	273.1	9.52	29.690	
2,000.0	2,000.0	1,964.7	1,944.6	4.4	6.2	94.58	-23.6	294.8	300.7	290.6	10.10	29.759	
2,100.0	2,100.0	2,063.1	2,041.4	4.6	6.6	94.63	-25.3	312.5	318.8	308.1	10.69	29.817	
2,200.0	2,200.0	2,161.4	2,138.1	4.8	7.0	94.68	-27.0	330.2	336.9	325.6	11.28	29.867	
2,300.0	2,300.0	2,259.8	2,234.8	5.1	7.4	94.73	-28.8	347.9	354.9	343.1	11.87	29.911	
2,400.0	2,400.0	2,358.1	2,331.6	5.3	7.8	94.77	-30.5	365.6	373.0	360.6	12.46	29.949	
2,500.0	2,500.0	2,456.5	2,428.3	5.5	8.2	94.80	-32.2	383.3	391.1	378.1	13.04	29.982	
2,600.0	2,600.0	2,555.1	2,525.3	5.7	8.6	-25.72	-33.9	401.0	407.6	395.9	11.70	34.850	
2,700.0	2,699.8	2,654.2	2,622.7	5.9	9.0	-25.88	-35.7	418.9	421.1	408.9	12.14	34.685	
2,800.0	2,799.5	2,753.5	2,720.5	6.1	9.4	-26.26	-37.4	436.8	431.5	418.9	12.58	34.297	
2,900.0	2,899.0	2,853.0	2,818.3	6.3	9.8	-26.75	-39.2	454.7	441.2	428.2	13.03	33.861	
3,000.0	2,998.6	2,952.5	2,916.1	6.5	10.2	-27.21	-40.9	472.6	451.0	437.5	13.49	33.445	
3,100.0	3,098.1	3,051.9	3,013.9	6.7	10.6	-27.66	-42.7	490.5	460.8	446.9	13.94	33.046	
3,200.0	3,197.7	3,151.4	3,111.8	6.9	11.0	-28.09	-44.4	508.3	470.6	456.2	14.41	32.665	
3,300.0	3,297.2	3,250.8	3,209.6	7.2	11.5	-28.49	-46.1	526.2	480.4	465.6	14.87	32.299	
3,400.0	3,396.8	3,350.3	3,307.4	7.4	11.9	-28.89	-47.9	544.1	490.3	475.0	15.35	31.950	
3,500.0	3,496.4	3,449.7	3,405.2	7.6	12.3	-29.26	-49.6	562.0	500.2	484.4	15.82	31.616	
3,600.0	3,595.9	3,549.2	3,503.0	7.9	12.7	-29.63	-51.4	579.9	510.1	493.8	16.30	31.295	
3,700.0	3,695.5	3,648.7	3,600.8	8.1	13.1	-29.97	-53.1	597.8	520.0	503.2	16.78	30.988	
3,800.0	3,795.0	3,748.1	3,698.7	8.3	13.5	-30.31	-54.9	615.7	530.0	512.7	17.27	30.694	
3,900.0	3,894.6	3,847.6	3,796.5	8.6	13.9	-30.63	-56.6	633.6	539.9	522.2	17.75	30.412	
4,000.0	3,994.1	3,947.0	3,894.3	8.8	14.3	-30.94	-58.3	651.5	549.9	531.7	18.24	30.141	
4,100.0	4,093.7	4,046.5	3,992.1	9.1	14.7	-31.24	-60.1	669.4	559.9	541.2	18.74	29.881	
4,200.0	4,193.2	4,145.9	4,089.9	9.3	15.1	-31.53	-61.8	687.3	569.9	550.7	19.23	29.631	
4,300.0	4,292.8	4,245.4	4,187.8	9.6	15.5	-31.81	-63.6	705.2	579.9	560.2	19.73	29.392	
4,400.0	4,392.4	4,344.9	4,285.6	9.9	16.0	-32.08	-65.3	723.1	590.0	569.7	20.23	29.161	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-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

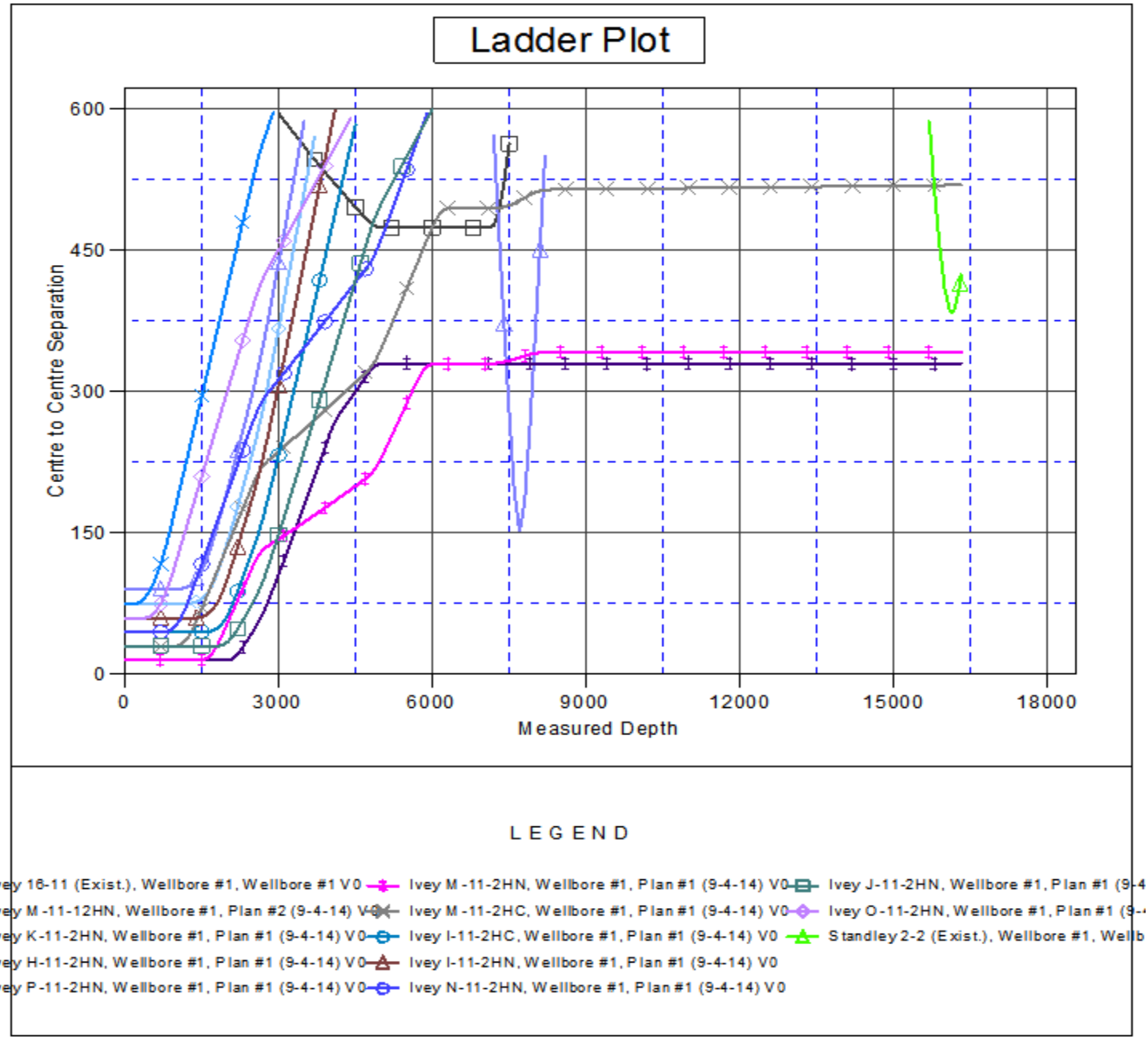
Offset Well Error: 0.0 ft

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	90.56	-0.7	75.1	75.1				
100.0	100.0	99.0	99.0	0.1	0.1	90.56	-0.7	75.1	75.1	74.9	0.22	335.866	
200.0	200.0	199.0	199.0	0.3	0.3	90.56	-0.7	75.1	75.1	74.4	0.67	111.769	CC, ES
300.0	300.0	296.4	296.4	0.6	0.5	90.64	-0.9	76.7	76.8	75.7	1.11	69.455	
400.0	400.0	393.6	393.5	0.8	0.8	90.86	-1.2	81.6	81.8	80.3	1.54	52.970	
500.0	500.0	490.4	489.9	1.0	1.0	91.18	-1.9	89.8	90.3	88.2	2.00	45.049	
600.0	600.0	586.5	585.3	1.2	1.3	91.54	-2.7	101.1	102.0	99.5	2.49	41.043	
700.0	700.0	681.7	679.4	1.5	1.6	91.89	-3.8	115.4	117.1	114.1	3.00	39.074	
800.0	800.0	775.8	772.0	1.7	1.9	92.21	-5.1	132.6	135.4	131.9	3.54	38.246	
900.0	900.0	868.8	862.8	1.9	2.3	92.50	-6.7	152.6	157.0	152.9	4.12	38.123	
1,000.0	1,000.0	966.1	957.4	2.1	2.8	92.74	-8.4	175.0	180.1	175.3	4.74	37.978	
1,100.0	1,100.0	1,063.4	1,052.1	2.4	3.2	92.92	-10.1	197.4	203.1	197.8	5.37	37.809	
1,200.0	1,200.0	1,160.7	1,146.8	2.6	3.7	93.07	-11.8	219.8	226.2	220.2	6.01	37.628	
1,300.0	1,300.0	1,258.0	1,241.5	2.8	4.2	93.19	-13.5	242.2	249.3	242.6	6.66	37.453	
1,400.0	1,400.0	1,355.3	1,336.1	3.0	4.7	93.29	-15.2	264.6	272.4	265.1	7.30	37.289	
1,500.0	1,500.0	1,452.6	1,430.8	3.3	5.1	93.37	-16.9	287.0	295.5	287.5	7.96	37.140	
1,600.0	1,600.0	1,549.9	1,525.5	3.5	5.6	93.45	-18.6	309.4	318.5	309.9	8.61	37.005	
1,700.0	1,700.0	1,647.2	1,620.1	3.7	6.1	93.51	-20.3	331.8	341.6	332.4	9.26	36.883	
1,800.0	1,800.0	1,744.5	1,714.8	3.9	6.6	93.56	-22.1	354.2	364.7	354.8	9.92	36.772	
1,900.0	1,900.0	1,841.8	1,809.5	4.2	7.1	93.61	-23.8	376.6	387.8	377.2	10.57	36.671	
2,000.0	2,000.0	1,939.1	1,904.2	4.4	7.6	93.65	-25.5	399.0	410.9	399.6	11.23	36.580	
2,100.0	2,100.0	2,036.4	1,998.8	4.6	8.0	93.69	-27.2	421.4	434.0	422.1	11.89	36.497	
2,200.0	2,200.0	2,133.7	2,093.5	4.8	8.5	93.73	-28.9	443.8	457.0	444.5	12.55	36.421	
2,300.0	2,300.0	2,231.0	2,188.2	5.1	9.0	93.76	-30.6	466.1	480.1	466.9	13.21	36.351	
2,400.0	2,400.0	2,328.3	2,282.8	5.3	9.5	93.79	-32.3	488.5	503.2	489.3	13.87	36.287	
2,500.0	2,500.0	2,425.6	2,377.5	5.5	10.0	93.81	-34.0	510.9	526.3	511.8	14.53	36.228	SF
2,600.0	2,600.0	2,523.3	2,472.5	5.7	10.5	-26.64	-35.8	533.4	547.9	535.8	12.02	45.593	
2,700.0	2,699.8	2,621.5	2,568.1	5.9	11.0	-26.69	-37.5	556.0	566.4	553.9	12.48	45.368	
2,800.0	2,799.5	2,720.2	2,664.2	6.1	11.5	-26.94	-39.2	578.8	582.0	569.0	12.95	44.942	
2,900.0	2,899.0	2,819.0	2,760.3	6.3	12.0	-27.32	-41.0	601.5	596.8	583.4	13.41	44.491	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-11-2HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (9-4-14)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 5129.5ft (RKB - 22.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Ivey L-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 L-11-2HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (RKB - 22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey L-11-2HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (9-4-14)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 5129.5ft (RKB - 22.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

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