Bayswater Exploration & Production, LLC

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

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

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

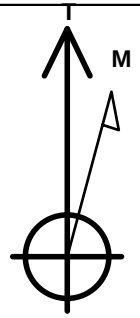
Ground Elevation: 5107.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1234170.13	3149764.54	39.974942	-104.965613	

Original Well Elev WELL @ 5129.5ft (Original Well Elev)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1063'FSL, 1735'FEL, SEC.11	1.0	0.0	0.0	Point
BHL 850'FSL, 2175'FWL, SEC.12	7739.0	-226.6	3910.6	Point
LANDING PT. 850'FSL, 2175'FEL, SEC.11	7754.0	-212.4	-439.7	Point



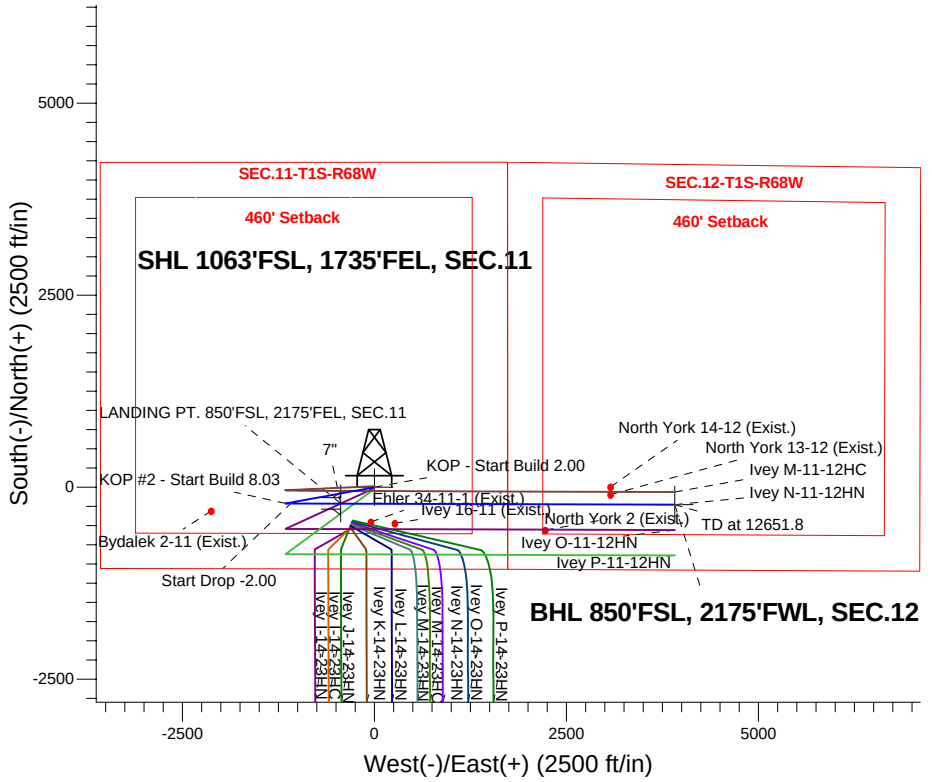
Azimuths to True North
Magnetic North: 8.52°

Magnetic Field
Strength: 52563.1snT
Dip Angle: 66.57°
Date: 7/2/2014
Model: IGRF2010

Ivey Pad Sec.11-T1S-R68W
Ivey N-11-12HN
Plan #1 (7-02-13)

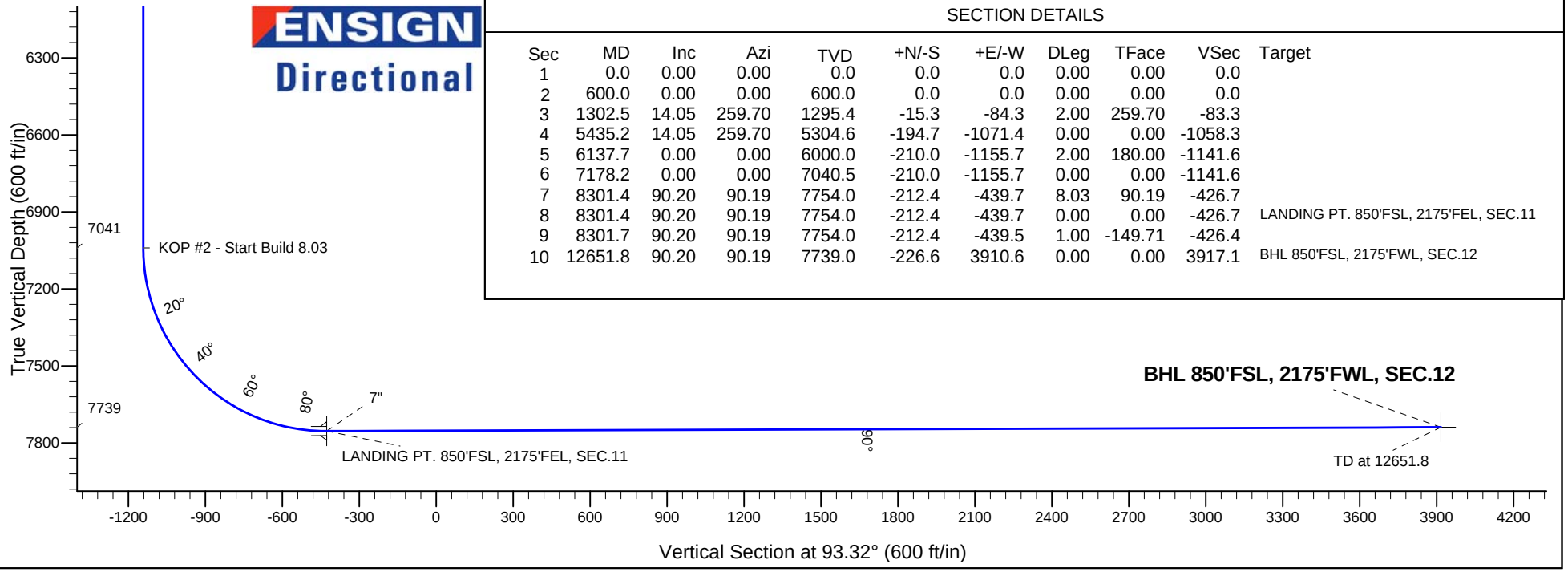
ANNOTATIONS

TVD	MD	Annotation
600.0	600.0	KOP - Start Build 2.00
5304.6	5435.2	Start Drop -2.00
7040.5	7178.2	KOP #2 - Start Build 8.03
7739.0	12651.8	TD at 12651.8



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	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1302.5	14.05	259.70	1295.4	-15.3	-84.3	2.00	259.70	-83.3	
4	5435.2	14.05	259.70	5304.6	-194.7	-1071.4	0.00	0.00	-1058.3	
5	6137.7	0.00	0.00	6000.0	-210.0	-1155.7	2.00	180.00	-1141.6	
6	7178.2	0.00	0.00	7040.5	-210.0	-1155.7	0.00	0.00	-1141.6	
7	8301.4	90.20	90.19	7754.0	-212.4	-439.7	8.03	90.19	-426.7	
8	8301.4	90.20	90.19	7754.0	-212.4	-439.7	0.00	0.00	-426.7	LANDING PT. 850'FSL, 2175'FEL, SEC.11
9	8301.7	90.20	90.19	7754.0	-212.4	-439.5	1.00	-149.71	-426.4	
10	12651.8	90.20	90.19	7739.0	-226.6	3910.6	0.00	0.00	3917.1	BHL 850'FSL, 2175'FWL, SEC.12



Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W
Ivey Pad Sec.11-T1S-R68W
Ivey N-11-12HN

Wellbore #1

Plan: Plan #1 (7-02-13)

Standard Planning Report

27 August, 2014

Database:	landmark	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (7-02-13)		

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 N-11-12HN

Well Position	**+N/-S**	-112.9 ft	**Northing:**	1,234,170.13 ft	**Latitude:**	39.974942
	+E/-W	-41.2 ft	**Easting:**	3,149,764.54 ft	**Longitude:**	-104.965613
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	7/2/2014	8.53	66.57	52,563

Design Plan #1 (7-02-13)

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	93.32

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	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,302.5	14.05	259.70	1,295.4	-15.3	-84.3	2.00	2.00	0.00	259.70	
5,435.2	14.05	259.70	5,304.6	-194.7	-1,071.4	0.00	0.00	0.00	0.00	
6,137.7	0.00	0.00	6,000.0	-210.0	-1,155.7	2.00	-2.00	0.00	180.00	
7,178.2	0.00	0.00	7,040.5	-210.0	-1,155.7	0.00	0.00	0.00	0.00	
8,301.4	90.20	90.19	7,754.0	-212.4	-439.7	8.03	8.03	0.00	90.19	
8,301.4	90.20	90.19	7,754.0	-212.4	-439.7	0.00	0.00	0.00	0.00	LANDING PT. 850'F
8,301.7	90.20	90.19	7,754.0	-212.4	-439.5	1.00	-0.86	-0.50	-149.71	
12,651.8	90.20	90.19	7,739.0	-226.6	3,910.6	0.00	0.00	0.00	0.00	BHL 850'FSL, 2175

Database:	landmark	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (7-02-13)		

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
KOP - Start Build 2.00									
700.0	2.00	259.70	700.0	-0.3	-1.7	-1.7	2.00	2.00	0.00
800.0	4.00	259.70	799.8	-1.2	-6.9	-6.8	2.00	2.00	0.00
900.0	6.00	259.70	899.5	-2.8	-15.4	-15.3	2.00	2.00	0.00
1,000.0	8.00	259.70	998.7	-5.0	-27.4	-27.1	2.00	2.00	0.00
1,100.0	10.00	259.70	1,097.5	-7.8	-42.8	-42.3	2.00	2.00	0.00
1,200.0	12.00	259.70	1,195.6	-11.2	-61.6	-60.8	2.00	2.00	0.00
1,300.0	14.00	259.70	1,293.1	-15.2	-83.7	-82.7	2.00	2.00	0.00
1,302.5	14.05	259.70	1,295.4	-15.3	-84.3	-83.3	2.00	2.00	0.00
1,400.0	14.05	259.70	1,390.1	-19.6	-107.6	-106.3	0.00	0.00	0.00
1,500.0	14.05	259.70	1,487.1	-23.9	-131.5	-129.9	0.00	0.00	0.00
1,600.0	14.05	259.70	1,584.1	-28.2	-155.4	-153.5	0.00	0.00	0.00
1,700.0	14.05	259.70	1,681.1	-32.6	-179.3	-177.1	0.00	0.00	0.00
1,800.0	14.05	259.70	1,778.1	-36.9	-203.1	-200.7	0.00	0.00	0.00
1,900.0	14.05	259.70	1,875.1	-41.3	-227.0	-224.3	0.00	0.00	0.00
2,000.0	14.05	259.70	1,972.1	-45.6	-250.9	-247.9	0.00	0.00	0.00
2,100.0	14.05	259.70	2,069.1	-49.9	-274.8	-271.4	0.00	0.00	0.00
2,200.0	14.05	259.70	2,166.1	-54.3	-298.7	-295.0	0.00	0.00	0.00
2,300.0	14.05	259.70	2,263.1	-58.6	-322.6	-318.6	0.00	0.00	0.00
2,400.0	14.05	259.70	2,360.2	-63.0	-346.5	-342.2	0.00	0.00	0.00
2,500.0	14.05	259.70	2,457.2	-67.3	-370.3	-365.8	0.00	0.00	0.00
2,600.0	14.05	259.70	2,554.2	-71.6	-394.2	-389.4	0.00	0.00	0.00
2,700.0	14.05	259.70	2,651.2	-76.0	-418.1	-413.0	0.00	0.00	0.00
2,800.0	14.05	259.70	2,748.2	-80.3	-442.0	-436.6	0.00	0.00	0.00
2,900.0	14.05	259.70	2,845.2	-84.7	-465.9	-460.2	0.00	0.00	0.00
3,000.0	14.05	259.70	2,942.2	-89.0	-489.8	-483.8	0.00	0.00	0.00
3,100.0	14.05	259.70	3,039.2	-93.3	-513.6	-507.4	0.00	0.00	0.00
3,200.0	14.05	259.70	3,136.2	-97.7	-537.5	-531.0	0.00	0.00	0.00
3,300.0	14.05	259.70	3,233.2	-102.0	-561.4	-554.6	0.00	0.00	0.00
3,400.0	14.05	259.70	3,330.2	-106.4	-585.3	-578.2	0.00	0.00	0.00
3,500.0	14.05	259.70	3,427.2	-110.7	-609.2	-601.8	0.00	0.00	0.00
3,600.0	14.05	259.70	3,524.3	-115.0	-633.1	-625.3	0.00	0.00	0.00
3,700.0	14.05	259.70	3,621.3	-119.4	-656.9	-648.9	0.00	0.00	0.00
3,800.0	14.05	259.70	3,718.3	-123.7	-680.8	-672.5	0.00	0.00	0.00
3,900.0	14.05	259.70	3,815.3	-128.1	-704.7	-696.1	0.00	0.00	0.00
4,000.0	14.05	259.70	3,912.3	-132.4	-728.6	-719.7	0.00	0.00	0.00
4,100.0	14.05	259.70	4,009.3	-136.7	-752.5	-743.3	0.00	0.00	0.00
4,200.0	14.05	259.70	4,106.3	-141.1	-776.4	-766.9	0.00	0.00	0.00
4,300.0	14.05	259.70	4,203.3	-145.4	-800.3	-790.5	0.00	0.00	0.00
4,400.0	14.05	259.70	4,300.3	-149.8	-824.1	-814.1	0.00	0.00	0.00
4,500.0	14.05	259.70	4,397.3	-154.1	-848.0	-837.7	0.00	0.00	0.00
4,600.0	14.05	259.70	4,494.3	-158.4	-871.9	-861.3	0.00	0.00	0.00
4,700.0	14.05	259.70	4,591.4	-162.8	-895.8	-884.9	0.00	0.00	0.00
4,800.0	14.05	259.70	4,688.4	-167.1	-919.7	-908.5	0.00	0.00	0.00
4,900.0	14.05	259.70	4,785.4	-171.5	-943.6	-932.1	0.00	0.00	0.00
5,000.0	14.05	259.70	4,882.4	-175.8	-967.4	-955.7	0.00	0.00	0.00
5,100.0	14.05	259.70	4,979.4	-180.1	-991.3	-979.2	0.00	0.00	0.00

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Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (7-02-13)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	14.05	259.70	5,076.4	-184.5	-1,015.2	-1,002.8	0.00	0.00	0.00
5,300.0	14.05	259.70	5,173.4	-188.8	-1,039.1	-1,026.4	0.00	0.00	0.00
5,400.0	14.05	259.70	5,270.4	-193.2	-1,063.0	-1,050.0	0.00	0.00	0.00
5,435.2	14.05	259.70	5,304.6	-194.7	-1,071.4	-1,058.3	0.00	0.00	0.00
Start Drop -2.00									
5,500.0	12.75	259.70	5,367.6	-197.4	-1,086.2	-1,072.9	2.00	-2.00	0.00
5,600.0	10.75	259.70	5,465.5	-201.0	-1,106.2	-1,092.7	2.00	-2.00	0.00
5,700.0	8.75	259.70	5,564.0	-204.0	-1,122.9	-1,109.2	2.00	-2.00	0.00
5,800.0	6.75	259.70	5,663.1	-206.4	-1,136.1	-1,122.3	2.00	-2.00	0.00
5,900.0	4.75	259.70	5,762.6	-208.2	-1,146.0	-1,132.0	2.00	-2.00	0.00
6,000.0	2.75	259.70	5,862.4	-209.4	-1,152.4	-1,138.4	2.00	-2.00	0.00
6,100.0	0.75	259.70	5,962.3	-210.0	-1,155.5	-1,141.4	2.00	-2.00	0.00
6,137.7	0.00	0.00	6,000.0	-210.0	-1,155.7	-1,141.6	2.00	-2.00	0.00
6,200.0	0.00	0.00	6,062.3	-210.0	-1,155.7	-1,141.6	0.00	0.00	0.00
6,300.0	0.00	0.00	6,162.3	-210.0	-1,155.7	-1,141.6	0.00	0.00	0.00
6,400.0	0.00	0.00	6,262.3	-210.0	-1,155.7	-1,141.6	0.00	0.00	0.00
6,500.0	0.00	0.00	6,362.3	-210.0	-1,155.7	-1,141.6	0.00	0.00	0.00
6,600.0	0.00	0.00	6,462.3	-210.0	-1,155.7	-1,141.6	0.00	0.00	0.00
6,700.0	0.00	0.00	6,562.3	-210.0	-1,155.7	-1,141.6	0.00	0.00	0.00
6,800.0	0.00	0.00	6,662.3	-210.0	-1,155.7	-1,141.6	0.00	0.00	0.00
6,900.0	0.00	0.00	6,762.3	-210.0	-1,155.7	-1,141.6	0.00	0.00	0.00
7,000.0	0.00	0.00	6,862.3	-210.0	-1,155.7	-1,141.6	0.00	0.00	0.00
7,100.0	0.00	0.00	6,962.3	-210.0	-1,155.7	-1,141.6	0.00	0.00	0.00
7,178.2	0.00	0.00	7,040.5	-210.0	-1,155.7	-1,141.6	0.00	0.00	0.00
KOP #2 - Start Build 8.03									
7,200.0	1.75	90.19	7,062.3	-210.0	-1,155.4	-1,141.3	8.03	8.03	0.00
7,300.0	9.78	90.19	7,161.8	-210.0	-1,145.3	-1,131.3	8.03	8.03	0.00
7,400.0	17.81	90.19	7,258.8	-210.1	-1,121.5	-1,107.5	8.03	8.03	0.00
7,500.0	25.84	90.19	7,351.5	-210.2	-1,084.3	-1,070.4	8.03	8.03	0.00
7,600.0	33.87	90.19	7,438.2	-210.4	-1,034.6	-1,020.7	8.03	8.03	0.00
7,700.0	41.90	90.19	7,517.1	-210.6	-973.2	-959.4	8.03	8.03	0.00
7,800.0	49.93	90.19	7,586.6	-210.8	-901.5	-887.8	8.03	8.03	0.00
7,900.0	57.97	90.19	7,645.4	-211.1	-820.7	-807.1	8.03	8.03	0.00
8,000.0	66.00	90.19	7,692.3	-211.4	-732.5	-719.0	8.03	8.03	0.00
8,100.0	74.03	90.19	7,726.5	-211.7	-638.6	-625.3	8.03	8.03	0.00
8,200.0	82.06	90.19	7,747.2	-212.0	-540.8	-527.6	8.03	8.03	0.00
8,300.0	90.09	90.19	7,754.0	-212.4	-441.1	-428.1	8.03	8.03	0.00
8,301.4	90.20	90.19	7,754.0	-212.4	-439.7	-426.7	8.03	8.03	0.00
7"									
8,301.7	90.20	90.19	7,754.0	-212.4	-439.5	-426.4	1.00	-0.87	-0.51
8,400.0	90.20	90.19	7,753.7	-212.7	-341.1	-328.3	0.00	0.00	0.00
8,500.0	90.20	90.19	7,753.3	-213.0	-241.1	-228.4	0.00	0.00	0.00
8,600.0	90.20	90.19	7,753.0	-213.3	-141.1	-128.6	0.00	0.00	0.00
8,700.0	90.20	90.19	7,752.6	-213.7	-41.1	-28.7	0.00	0.00	0.00
8,800.0	90.20	90.19	7,752.3	-214.0	58.9	71.1	0.00	0.00	0.00
8,900.0	90.20	90.19	7,751.9	-214.3	158.9	171.0	0.00	0.00	0.00
9,000.0	90.20	90.19	7,751.6	-214.7	258.9	270.8	0.00	0.00	0.00
9,100.0	90.20	90.19	7,751.2	-215.0	358.9	370.7	0.00	0.00	0.00
9,200.0	90.20	90.19	7,750.9	-215.3	458.8	470.5	0.00	0.00	0.00
9,300.0	90.20	90.19	7,750.6	-215.6	558.8	570.4	0.00	0.00	0.00
9,400.0	90.20	90.19	7,750.2	-216.0	658.8	670.2	0.00	0.00	0.00
9,500.0	90.20	90.19	7,749.9	-216.3	758.8	770.1	0.00	0.00	0.00
9,600.0	90.20	90.19	7,749.5	-216.6	858.8	869.9	0.00	0.00	0.00

Database:	landmark	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (7-02-13)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,700.0	90.20	90.19	7,749.2	-217.0	958.8	969.8	0.00	0.00	0.00
9,800.0	90.20	90.19	7,748.8	-217.3	1,058.8	1,069.6	0.00	0.00	0.00
9,900.0	90.20	90.19	7,748.5	-217.6	1,158.8	1,169.5	0.00	0.00	0.00
10,000.0	90.20	90.19	7,748.1	-217.9	1,258.8	1,269.3	0.00	0.00	0.00
10,100.0	90.20	90.19	7,747.8	-218.3	1,358.8	1,369.2	0.00	0.00	0.00
10,200.0	90.20	90.19	7,747.5	-218.6	1,458.8	1,469.0	0.00	0.00	0.00
10,300.0	90.20	90.19	7,747.1	-218.9	1,558.8	1,568.9	0.00	0.00	0.00
10,400.0	90.20	90.19	7,746.8	-219.2	1,658.8	1,668.7	0.00	0.00	0.00
10,500.0	90.20	90.19	7,746.4	-219.6	1,758.8	1,768.6	0.00	0.00	0.00
10,600.0	90.20	90.19	7,746.1	-219.9	1,858.8	1,868.4	0.00	0.00	0.00
10,700.0	90.20	90.19	7,745.7	-220.2	1,958.8	1,968.3	0.00	0.00	0.00
10,800.0	90.20	90.19	7,745.4	-220.6	2,058.8	2,068.1	0.00	0.00	0.00
10,900.0	90.20	90.19	7,745.0	-220.9	2,158.8	2,168.0	0.00	0.00	0.00
11,000.0	90.20	90.19	7,744.7	-221.2	2,258.8	2,267.8	0.00	0.00	0.00
11,100.0	90.20	90.19	7,744.4	-221.5	2,358.8	2,367.7	0.00	0.00	0.00
11,200.0	90.20	90.19	7,744.0	-221.9	2,458.8	2,467.5	0.00	0.00	0.00
11,300.0	90.20	90.19	7,743.7	-222.2	2,558.8	2,567.4	0.00	0.00	0.00
11,400.0	90.20	90.19	7,743.3	-222.5	2,658.8	2,667.2	0.00	0.00	0.00
11,500.0	90.20	90.19	7,743.0	-222.9	2,758.8	2,767.1	0.00	0.00	0.00
11,600.0	90.20	90.19	7,742.6	-223.2	2,858.8	2,866.9	0.00	0.00	0.00
11,700.0	90.20	90.19	7,742.3	-223.5	2,958.8	2,966.8	0.00	0.00	0.00
11,800.0	90.20	90.19	7,741.9	-223.8	3,058.8	3,066.6	0.00	0.00	0.00
11,900.0	90.20	90.19	7,741.6	-224.2	3,158.8	3,166.5	0.00	0.00	0.00
12,000.0	90.20	90.19	7,741.2	-224.5	3,258.8	3,266.3	0.00	0.00	0.00
12,100.0	90.20	90.19	7,740.9	-224.8	3,358.8	3,366.2	0.00	0.00	0.00
12,200.0	90.20	90.19	7,740.6	-225.2	3,458.8	3,466.0	0.00	0.00	0.00
12,300.0	90.20	90.19	7,740.2	-225.5	3,558.8	3,565.9	0.00	0.00	0.00
12,400.0	90.20	90.19	7,739.9	-225.8	3,658.8	3,665.7	0.00	0.00	0.00
12,500.0	90.20	90.19	7,739.5	-226.1	3,758.8	3,765.6	0.00	0.00	0.00
12,600.0	90.20	90.19	7,739.2	-226.5	3,858.8	3,865.4	0.00	0.00	0.00
12,651.8	90.20	90.19	7,739.0	-226.6	3,910.6	3,917.1	0.00	0.00	0.00

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 1063'FSL, 1735'F - plan hits target - Point	0.00	0.00	1.0	0.0	0.0	1,234,170.14	3,149,764.54	39.974942	-104.965613
LANDING PT. 850'FS - plan hits target - Point	0.00	0.00	7,754.0	-212.4	-439.7	1,233,955.12	3,149,326.10	39.974359	-104.967182
BHL 850'FSL, 2175'F\ - plan hits target - Point	0.00	0.00	7,739.0	-226.6	3,910.6	1,233,967.07	3,153,676.29	39.974319	-104.951660

Database:	landmark	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	**North Reference:**	True
Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (7-02-13)		

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
8,301.4	7,754.0	7"	7	7-1/2

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
600.0	600.0	0.0	0.0	KOP - Start Build 2.00
5,435.2	5,304.6	-194.7	-1,071.4	Start Drop -2.00
7,178.2	7,040.5	-210.0	-1,155.7	KOP #2 - Start Build 8.03
12,651.8	7,739.0	-226.6	3,910.6	TD at 12651.8

ENSIGN Directional

Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W
Ivey Pad Sec.11-T1S-R68W
Ivey N-11-12HN

Wellbore #1
Plan #1 (7-02-13)

Anticollision Report

27 August, 2014

BAYSWATER EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Reference Plan #1 (7-02-13)

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** 8/27/2014

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	12,651.8	Plan #1 (7-02-13) (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						
Bydalek 2-11 (Exist.) - Wellbore #1 - Wellbore #1						Out of range
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	8,696.5	7,721.1	237.7	50.0	1.266	Level 3, CC
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	8,700.0	7,721.1	237.7	50.0	1.266	Level 3, ES, SF
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	9,011.0	7,722.1	252.0	58.2	1.301	Level 3, CC, ES, SF
Existing Pad Sec.12-T1S-R68W						
North York 13-12 (Exist.) - Wellbore #1 - Wellbore #1	11,817.2	7,731.4	129.7	-135.9	0.488	Level 1, CC, ES, SF
North York 14-12 (Exist.) - Wellbore #1 - Wellbore #1	11,816.9	7,631.4	231.0	-32.6	0.876	Level 1, CC, ES, SF
North York 2 (Exist.) - Wellbore #1 - Wellbore #1						Out of range
Ivey Pad Sec.11-T1S-R68W						
Ivey I-14-23HC - Wellbore #1 - Plan #1 (8-21-14)	2,109.8	2,035.2	556.3	545.1	49.931	CC
Ivey I-14-23HC - Wellbore #1 - Plan #1 (8-21-14)	2,300.0	2,222.8	557.2	544.6	44.196	ES
Ivey I-14-23HC - Wellbore #1 - Plan #1 (8-21-14)	3,400.0	3,307.6	596.0	574.4	27.616	SF
Ivey I-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	2,634.6	2,555.0	579.4	563.9	37.357	CC
Ivey I-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	2,900.0	2,818.2	580.4	562.6	32.652	ES
Ivey I-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	3,800.0	3,710.5	598.9	573.2	23.304	SF
Ivey J-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	2,078.7	2,015.9	491.7	480.6	44.298	CC
Ivey J-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	2,100.0	2,033.8	491.8	480.6	43.730	ES
Ivey J-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	3,400.0	3,294.7	592.7	571.9	28.472	SF
Ivey K-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	2,230.1	2,175.6	464.2	451.8	37.586	CC, ES
Ivey K-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	3,100.0	2,969.9	575.9	557.5	31.424	SF
Ivey L-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	1,959.3	1,912.8	489.1	478.7	46.975	CC
Ivey L-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	2,000.0	1,951.2	489.3	478.5	45.610	ES
Ivey L-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	3,000.0	2,894.4	599.0	581.4	33.955	SF
Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)	600.0	601.0	15.2	12.7	6.129	CC, ES
Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)	12,651.8	12,856.7	297.1	135.2	1.835	SF
Ivey M-14-23HC - Wellbore #1 - Plan #1 (8-21-14)	1,742.4	1,708.4	476.3	467.1	51.390	CC, ES
Ivey M-14-23HC - Wellbore #1 - Plan #1 (8-21-14)	2,600.0	2,502.8	575.6	560.2	37.385	SF
Ivey M-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	1,845.5	1,805.7	482.1	472.3	49.259	CC
Ivey M-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	1,900.0	1,856.5	482.5	472.3	47.202	ES
Ivey M-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	2,800.0	2,695.0	593.8	577.3	35.977	SF
Ivey N-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	1,611.2	1,583.6	472.3	463.6	54.574	CC, ES
Ivey N-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	2,400.0	2,307.0	567.5	553.1	39.444	SF
Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	400.0	400.0	15.1	13.5	9.582	CC, ES
Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	12,651.8	12,731.7	342.1	84.2	1.326	Level 3, SF
Ivey O-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	1,466.9	1,448.7	465.2	457.0	57.083	CC

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

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
Ivey Pad Sec.11-T1S-R68W						
Ivey O-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	1,500.0	1,478.6	465.4	457.0	55.223	ES
Ivey O-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	2,200.0	2,109.4	563.4	549.8	41.517	SF
Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	200.0	200.0	29.9	29.2	44.356	CC, ES
Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	5,500.0	5,457.5	528.1	479.2	10.802	SF
Ivey P-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	1,314.5	1,306.6	458.8	451.1	59.359	CC, ES
Ivey P-14-23HN - Wellbore #1 - Plan #1 (8-21-14)	2,000.0	1,911.5	560.7	547.9	43.532	SF

Offset Design Existing Pad Sec.11-T1S-R68W - Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1

Survey Program: 8707-UNKNOWN

Offset Site Error: 0.0 ft

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	-174.26	-451.3	-45.4	454.7				
100.0	100.0	68.5	68.5	0.1	1.4	-174.26	-451.3	-45.4	453.6	452.1	1.48	305.971	
200.0	200.0	168.5	168.5	0.3	3.4	-174.26	-451.3	-45.4	453.6	449.9	3.71	122.359	
300.0	300.0	268.5	268.5	0.6	5.4	-174.26	-451.3	-45.4	453.6	447.7	5.93	76.470	
400.0	400.0	368.5	368.5	0.8	7.4	-174.26	-451.3	-45.4	453.6	445.5	8.16	55.613	
500.0	500.0	468.5	468.5	1.0	9.4	-174.26	-451.3	-45.4	453.6	443.2	10.38	43.695	
600.0	600.0	568.5	568.5	1.2	11.4	-174.26	-451.3	-45.4	453.6	441.0	12.61	35.984	
700.0	700.0	668.5	668.5	1.4	13.4	-74.18	-451.3	-45.4	453.1	438.3	14.82	30.586	
800.0	799.8	768.3	768.3	1.7	15.4	-74.84	-451.3	-45.4	451.7	434.7	17.02	26.548	
900.0	899.5	868.0	868.0	1.9	17.4	-75.95	-451.3	-45.4	449.5	430.3	19.23	23.377	
1,000.0	998.7	967.2	967.2	2.1	19.3	-77.51	-451.3	-45.4	446.7	425.3	21.47	20.811	
1,100.0	1,097.5	1,066.0	1,066.0	2.4	21.3	-79.53	-451.3	-45.4	443.6	419.8	23.73	18.690	
1,200.0	1,195.6	1,164.1	1,164.1	2.8	23.3	-81.98	-451.3	-45.4	440.5	414.4	26.04	16.914	
1,300.0	1,293.1	1,261.6	1,261.6	3.2	25.2	-84.88	-451.3	-45.4	437.8	409.4	28.40	15.417	
1,400.0	1,390.1	1,358.6	1,358.6	3.6	27.2	-87.96	-451.3	-45.4	436.3	405.5	30.79	14.167	
1,465.9	1,454.0	1,422.5	1,422.5	3.9	28.4	-90.00	-451.3	-45.4	436.0	403.6	32.38	13.463	
1,500.0	1,487.1	1,455.6	1,455.6	4.1	29.1	-91.06	-451.3	-45.4	436.0	402.8	33.20	13.133	
1,600.0	1,584.1	1,552.6	1,552.6	4.6	31.1	-94.14	-451.3	-45.4	437.2	401.6	35.62	12.275	
1,700.0	1,681.1	1,649.6	1,649.6	5.1	33.0	-97.21	-451.3	-45.4	439.6	401.6	38.03	11.562	
1,800.0	1,778.1	1,746.6	1,746.6	5.6	34.9	-100.23	-451.3	-45.4	443.4	403.0	40.42	10.970	
1,900.0	1,875.1	1,843.6	1,843.6	6.1	36.9	-103.20	-451.3	-45.4	448.5	405.7	42.81	10.477	
2,000.0	1,972.1	1,940.6	1,940.6	6.6	38.8	-106.09	-451.3	-45.4	454.8	409.7	45.18	10.068	
2,100.0	2,069.1	2,037.6	2,037.6	7.1	40.8	-108.91	-451.3	-45.4	462.3	414.8	47.53	9.728	
2,200.0	2,166.1	2,134.6	2,134.6	7.6	42.7	-111.63	-451.3	-45.4	471.0	421.1	49.85	9.447	
2,300.0	2,263.1	2,231.6	2,231.6	8.1	44.6	-114.25	-451.3	-45.4	480.7	428.5	52.16	9.216	
2,400.0	2,360.2	2,328.7	2,328.7	8.6	46.6	-116.77	-451.3	-45.4	491.4	437.0	54.44	9.026	
2,500.0	2,457.2	2,425.7	2,425.7	9.1	48.5	-119.19	-451.3	-45.4	503.1	446.4	56.71	8.872	
2,600.0	2,554.2	2,522.7	2,522.7	9.7	50.5	-121.49	-451.3	-45.4	515.6	456.7	58.95	8.747	
2,700.0	2,651.2	2,619.7	2,619.7	10.2	52.4	-123.69	-451.3	-45.4	529.0	467.8	61.18	8.647	
2,800.0	2,748.2	2,716.7	2,716.7	10.7	54.3	-125.78	-451.3	-45.4	543.1	479.7	63.39	8.568	
2,900.0	2,845.2	2,813.7	2,813.7	11.2	56.3	-127.76	-451.3	-45.4	557.9	492.3	65.58	8.507	
3,000.0	2,942.2	2,910.7	2,910.7	11.7	58.2	-129.65	-451.3	-45.4	573.4	505.6	67.77	8.461	
3,100.0	3,039.2	3,007.7	3,007.7	12.3	60.2	-131.43	-451.3	-45.4	589.4	519.5	69.94	8.428	
8,200.0	7,747.2	7,715.7	7,715.7	27.3	154.3	73.91	-451.3	-45.4	550.2	375.5	174.72	3.149	
8,300.0	7,754.0	7,722.5	7,722.5	28.1	154.5	90.15	-451.3	-45.4	462.3	279.9	182.36	2.535	
8,400.0	7,753.7	7,722.2	7,722.2	29.1	154.4	90.25	-451.3	-45.4	380.0	196.6	183.38	2.072	
8,500.0	7,753.3	7,721.8	7,721.8	30.3	154.4	90.16	-451.3	-45.4	308.4	123.8	184.64	1.670	

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 N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 8707-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,600.0	7,753.0	7,721.5	7,721.5	31.7	154.4	90.08	-451.3	-45.4	256.5	70.4	186.11	1.378	Level 3
8,696.5	7,752.6	7,721.1	7,721.1	33.3	154.4	90.00	-451.3	-45.4	237.7	50.0	187.69	1.266	Level 3, CC
8,700.0	7,752.6	7,721.1	7,721.1	33.4	154.4	90.00	-451.3	-45.4	237.7	50.0	187.74	1.266	Level 3, ES, SF
8,800.0	7,752.3	7,720.8	7,720.8	35.1	154.4	89.91	-451.3	-45.4	259.2	69.7	189.52	1.368	Level 3
8,900.0	7,751.9	7,720.4	7,720.4	37.0	154.4	89.83	-451.3	-45.4	312.9	121.5	191.43	1.634	
9,000.0	7,751.6	7,720.1	7,720.1	39.1	154.4	89.75	-451.3	-45.4	385.5	192.0	193.45	1.993	
9,100.0	7,751.2	7,719.7	7,719.7	41.2	154.4	89.66	-451.3	-45.4	468.3	272.7	195.55	2.395	
9,200.0	7,750.9	7,719.4	7,719.4	43.4	154.4	89.58	-451.3	-45.4	556.8	359.0	197.74	2.816	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**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
0.0	0.0	0.0	0.0	0.0	0.0	150.03	-466.7	269.1	539.5				
100.0	100.0	70.5	70.5	0.1	1.4	150.03	-466.7	269.1	538.7	537.1	1.52	353.783	
200.0	200.0	170.5	170.5	0.3	3.4	150.03	-466.7	269.1	538.7	534.9	3.75	143.745	
300.0	300.0	270.5	270.5	0.6	5.4	150.03	-466.7	269.1	538.7	532.7	5.97	90.196	
400.0	400.0	370.5	370.5	0.8	7.4	150.03	-466.7	269.1	538.7	530.5	8.20	65.716	
500.0	500.0	470.5	470.5	1.0	9.4	150.03	-466.7	269.1	538.7	528.2	10.42	51.687	
600.0	600.0	570.5	570.5	1.2	11.4	150.03	-466.7	269.1	538.7	526.0	12.65	42.594	
700.0	700.0	670.5	670.5	1.4	13.4	-109.83	-466.7	269.1	539.3	524.4	14.85	36.302	
800.0	799.8	770.3	770.3	1.7	15.4	-110.32	-466.7	269.1	541.1	524.0	17.05	31.727	
900.0	899.5	870.0	870.0	1.9	17.4	-111.12	-466.7	269.1	544.1	524.9	19.26	28.251	
1,000.0	998.7	969.2	969.2	2.1	19.4	-112.21	-466.7	269.1	548.7	527.2	21.48	25.542	
1,100.0	1,097.5	1,068.0	1,068.0	2.4	21.4	-113.58	-466.7	269.1	554.8	531.1	23.71	23.396	
1,200.0	1,195.6	1,166.1	1,166.1	2.8	23.3	-115.19	-466.7	269.1	562.8	536.9	25.96	21.680	
1,300.0	1,293.1	1,263.6	1,263.6	3.2	25.3	-117.00	-466.7	269.1	572.9	544.7	28.21	20.307	
1,400.0	1,390.1	1,360.6	1,360.6	3.6	27.2	-119.07	-466.7	269.1	584.6	554.1	30.51	19.160	
1,500.0	1,487.1	1,457.6	1,457.6	4.1	29.2	-121.06	-466.7	269.1	597.1	564.2	32.81	18.195	
8,500.0	7,753.3	7,723.8	7,723.8	30.3	154.5	90.40	-466.7	269.1	569.8	385.1	184.68	3.085	
8,600.0	7,753.0	7,723.5	7,723.5	31.7	154.5	90.32	-466.7	269.1	482.1	296.0	186.14	2.590	
8,700.0	7,752.6	7,723.1	7,723.1	33.4	154.5	90.24	-466.7	269.1	400.3	212.5	187.78	2.132	
8,800.0	7,752.3	7,722.8	7,722.8	35.1	154.5	90.17	-466.7	269.1	328.7	139.1	189.56	1.734	
8,900.0	7,751.9	7,722.4	7,722.4	37.0	154.4	90.09	-466.7	269.1	275.3	83.9	191.47	1.438	Level 3
9,000.0	7,751.6	7,722.1	7,722.1	39.1	154.4	90.01	-466.7	269.1	252.2	58.7	193.49	1.303	Level 3
9,011.0	7,751.6	7,722.1	7,722.1	39.3	154.4	90.00	-466.7	269.1	252.0	58.2	193.72	1.301	Level 3, CC, ES, SF
9,100.0	7,751.2	7,721.7	7,721.7	41.2	154.4	89.93	-466.7	269.1	267.2	71.6	195.60	1.366	Level 3
9,200.0	7,750.9	7,721.4	7,721.4	43.4	154.4	89.85	-466.7	269.1	314.9	117.2	197.78	1.592	
9,300.0	7,750.6	7,721.1	7,721.1	45.6	154.4	89.77	-466.7	269.1	383.4	183.4	200.03	1.917	
9,400.0	7,750.2	7,720.7	7,720.7	47.9	154.4	89.70	-466.7	269.1	463.4	261.1	202.34	2.290	
9,500.0	7,749.9	7,720.4	7,720.4	50.3	154.4	89.62	-466.7	269.1	550.1	345.4	204.70	2.687	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Existing Pad Sec.12-T1S-R68W - North York 13-12 (Exist.) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 8238-UNKNOWN

Offset Well Error: 0.0 ft

Reference 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
11,300.0	7,743.7	7,733.2	7,733.2	97.0	154.7	-90.79	-94.2	3,076.5	533.3	281.6	251.62	2.119	
11,400.0	7,743.3	7,732.8	7,732.8	99.7	154.7	-90.64	-94.2	3,076.5	436.9	182.6	254.32	1.718	
11,500.0	7,743.0	7,732.5	7,732.5	102.4	154.6	-90.48	-94.2	3,076.5	342.7	85.7	257.03	1.334	Level 3
11,600.0	7,742.6	7,732.1	7,732.1	105.1	154.6	-90.33	-94.2	3,076.5	253.0	-6.7	259.73	0.974	Level 1
11,700.0	7,742.3	7,731.8	7,731.8	107.8	154.6	-90.18	-94.2	3,076.5	174.9	-87.6	262.45	0.666	Level 1
11,800.0	7,741.9	7,731.4	7,731.4	110.5	154.6	-90.03	-94.2	3,076.5	130.9	-134.3	265.16	0.494	Level 1
11,817.2	7,741.9	7,731.4	7,731.4	111.0	154.6	-90.00	-94.2	3,076.5	129.7	-135.9	265.63	0.488	Level 1, CC, ES, SF
11,900.0	7,741.6	7,731.1	7,731.1	113.3	154.6	-89.87	-94.2	3,076.5	153.9	-114.0	267.88	0.574	Level 1
12,000.0	7,741.2	7,730.7	7,730.7	116.0	154.6	-89.72	-94.2	3,076.5	224.1	-46.5	270.60	0.828	Level 1
12,100.0	7,740.9	7,730.4	7,730.4	118.7	154.6	-89.57	-94.2	3,076.5	311.1	37.8	273.32	1.138	Level 2
12,200.0	7,740.6	7,730.1	7,730.1	121.5	154.6	-89.42	-94.2	3,076.5	404.1	128.1	276.04	1.464	Level 3
12,300.0	7,740.2	7,729.7	7,729.7	124.2	154.6	-89.26	-94.2	3,076.5	499.9	221.1	278.77	1.793	
12,400.0	7,739.9	7,729.4	7,729.4	126.9	154.6	-89.11	-94.2	3,076.5	597.0	315.5	281.49	2.121	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Existing Pad Sec.12-T1S-R68W - North York 14-12 (Exist.) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 8150-UNKNOWN

Offset Well Error: 0.0 ft

Reference 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
11,300.0	7,743.7	7,633.2	7,633.2	97.0	152.7	-90.44	7.1	3,076.5	566.2	316.5	249.63	2.268	
11,400.0	7,743.3	7,632.8	7,632.8	99.7	152.7	-90.36	7.1	3,076.5	476.6	224.3	252.33	1.889	
11,500.0	7,743.0	7,632.5	7,632.5	102.4	152.6	-90.27	7.1	3,076.5	392.2	137.1	255.03	1.538	
11,600.0	7,742.6	7,632.1	7,632.1	105.1	152.6	-90.19	7.1	3,076.5	316.9	59.1	257.74	1.229	Level 2
11,700.0	7,742.3	7,631.8	7,631.8	107.8	152.6	-90.10	7.1	3,076.5	258.9	-1.5	260.45	0.994	Level 1
11,800.0	7,741.9	7,631.4	7,631.4	110.5	152.6	-90.01	7.1	3,076.5	231.6	-31.5	263.16	0.880	Level 1
11,816.9	7,741.9	7,631.4	7,631.4	111.0	152.6	-90.00	7.1	3,076.5	231.0	-32.6	263.62	0.876	Level 1, CC, ES, SF
11,900.0	7,741.6	7,631.1	7,631.1	113.3	152.6	-89.93	7.1	3,076.5	245.5	-20.4	265.88	0.923	Level 1
12,000.0	7,741.2	7,630.7	7,630.7	116.0	152.6	-89.84	7.1	3,076.5	294.8	26.2	268.60	1.097	Level 2
12,100.0	7,740.9	7,630.4	7,630.4	118.7	152.6	-89.76	7.1	3,076.5	365.4	94.1	271.33	1.347	Level 3
12,200.0	7,740.6	7,630.1	7,630.1	121.5	152.6	-89.67	7.1	3,076.5	447.4	173.3	274.05	1.632	
12,300.0	7,740.2	7,629.7	7,629.7	124.2	152.6	-89.59	7.1	3,076.5	535.5	258.7	276.78	1.935	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey I-14-23HC - Wellbore #1 - Plan #1 (8-21-14)

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
1,200.0	1,195.6	1,198.6	1,198.6	2.8	2.6	-53.59	-542.4	-329.0	594.8	589.5	5.25	113.249	
1,300.0	1,293.1	1,280.7	1,280.7	3.2	2.7	-55.22	-543.2	-329.8	582.8	577.0	5.77	101.068	
1,400.0	1,390.1	1,363.0	1,362.9	3.6	2.9	-56.75	-545.7	-332.3	572.9	566.6	6.32	90.716	
1,500.0	1,487.1	1,446.0	1,445.7	4.1	3.1	-58.24	-549.8	-336.5	566.2	559.4	6.89	82.127	
1,600.0	1,584.1	1,532.5	1,531.8	4.6	3.2	-59.71	-555.9	-342.7	562.7	555.2	7.51	74.935	
1,700.0	1,681.1	1,631.2	1,629.8	5.1	3.5	-61.36	-563.5	-350.4	560.4	552.2	8.18	68.523	
1,800.0	1,778.1	1,729.8	1,727.9	5.6	3.7	-63.03	-571.0	-358.0	558.7	549.8	8.87	62.970	
1,900.0	1,875.1	1,828.4	1,825.9	6.1	3.9	-64.70	-578.6	-365.6	557.4	547.8	9.59	58.147	
2,000.0	1,972.1	1,927.0	1,923.9	6.6	4.2	-66.38	-586.1	-373.3	556.6	546.3	10.32	53.941	
2,100.0	2,069.1	2,025.6	2,021.9	7.1	4.4	-68.07	-593.7	-380.9	556.3	545.2	11.07	50.265	
2,109.8	2,078.6	2,035.2	2,031.5	7.1	4.5	-68.23	-594.4	-381.7	556.3	545.1	11.14	49.931	CC
2,200.0	2,166.1	2,124.2	2,120.0	7.6	4.7	-69.75	-601.2	-388.6	556.5	544.7	11.83	47.038	
2,300.0	2,263.1	2,222.8	2,218.0	8.1	5.0	-71.43	-608.8	-396.2	557.2	544.6	12.61	44.196	ES
2,400.0	2,360.2	2,321.5	2,316.0	8.6	5.2	-73.11	-616.4	-403.9	558.4	545.0	13.39	41.685	
2,500.0	2,457.2	2,420.1	2,414.1	9.1	5.5	-74.77	-623.9	-411.5	560.0	545.8	14.19	39.460	
2,600.0	2,554.2	2,518.7	2,512.1	9.7	5.8	-76.43	-631.5	-419.2	562.2	547.2	15.00	37.484	
2,700.0	2,651.2	2,617.3	2,610.1	10.2	6.1	-78.07	-639.0	-426.8	564.8	549.0	15.81	35.725	
2,800.0	2,748.2	2,715.9	2,708.1	10.7	6.3	-79.70	-646.6	-434.5	567.9	551.3	16.63	34.154	
2,900.0	2,845.2	2,814.5	2,806.2	11.2	6.6	-81.31	-654.1	-442.1	571.5	554.1	17.45	32.750	
3,000.0	2,942.2	2,913.2	2,904.2	11.7	6.9	-82.90	-661.7	-449.8	575.5	557.3	18.28	31.492	
3,100.0	3,039.2	3,011.8	3,002.2	12.3	7.2	-84.46	-669.2	-457.4	580.0	560.9	19.10	30.364	
3,200.0	3,136.2	3,110.4	3,100.2	12.8	7.5	-86.00	-676.8	-465.1	584.9	565.0	19.93	29.349	
3,300.0	3,233.2	3,209.0	3,198.3	13.3	7.8	-87.52	-684.3	-472.7	590.3	569.5	20.76	28.437	
3,400.0	3,330.2	3,307.6	3,296.3	13.8	8.1	-89.00	-691.9	-480.4	596.0	574.4	21.58	27.616	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey I-14-23HN - Wellbore #1 - Plan #1 (8-21-14)

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
1,500.0	1,487.1	1,430.1	1,428.6	4.1	3.0	-56.44	-572.0	-362.3	597.9	591.1	6.83	87.605	
1,600.0	1,584.1	1,529.2	1,526.9	4.6	3.3	-57.65	-578.4	-373.4	594.8	587.3	7.49	79.409	
1,700.0	1,681.1	1,628.4	1,625.2	5.1	3.6	-58.87	-584.7	-384.5	592.0	583.8	8.18	72.349	
1,800.0	1,778.1	1,727.5	1,723.5	5.6	3.8	-60.10	-591.1	-395.6	589.5	580.6	8.90	66.249	
1,900.0	1,875.1	1,826.7	1,821.8	6.1	4.1	-61.34	-597.5	-406.7	587.2	577.6	9.63	60.955	
2,000.0	1,972.1	1,925.8	1,920.2	6.6	4.4	-62.59	-603.8	-417.8	585.2	574.8	10.39	56.341	
2,100.0	2,069.1	2,025.0	2,018.5	7.1	4.7	-63.84	-610.2	-428.8	583.5	572.4	11.16	52.296	
2,200.0	2,166.1	2,124.1	2,116.8	7.6	5.0	-65.10	-616.6	-439.9	582.1	570.2	11.94	48.735	
2,300.0	2,263.1	2,223.3	2,215.1	8.1	5.3	-66.37	-622.9	-451.0	581.0	568.3	12.74	45.587	
2,400.0	2,360.2	2,322.4	2,313.4	8.6	5.6	-67.64	-629.3	-462.1	580.2	566.6	13.56	42.792	
2,500.0	2,457.2	2,421.6	2,411.8	9.1	6.0	-68.92	-635.7	-473.2	579.6	565.2	14.38	40.302	
2,600.0	2,554.2	2,520.7	2,510.1	9.7	6.3	-70.19	-642.0	-484.3	579.4	564.2	15.22	38.074	
2,634.6	2,587.7	2,555.0	2,544.1	9.8	6.4	-70.64	-644.2	-488.1	579.4	563.9	15.51	37.357	CC
2,700.0	2,651.2	2,619.9	2,608.4	10.2	6.6	-71.47	-648.4	-495.4	579.4	563.4	16.06	36.075	
2,800.0	2,748.2	2,719.0	2,706.7	10.7	6.9	-72.75	-654.8	-506.4	579.8	562.8	16.91	34.275	
2,900.0	2,845.2	2,818.2	2,805.0	11.2	7.2	-74.02	-661.1	-517.5	580.4	562.6	17.78	32.652	ES
3,000.0	2,942.2	2,917.3	2,903.4	11.7	7.5	-75.29	-667.5	-528.6	581.3	562.7	18.64	31.183	
3,100.0	3,039.2	3,016.5	3,001.7	12.3	7.9	-76.56	-673.9	-539.7	582.5	563.0	19.51	29.851	
3,200.0	3,136.2	3,115.6	3,100.0	12.8	8.2	-77.82	-680.2	-550.8	584.0	563.6	20.39	28.640	
3,300.0	3,233.2	3,214.8	3,198.3	13.3	8.5	-79.07	-686.6	-561.9	585.8	564.5	21.27	27.539	
3,400.0	3,330.2	3,313.9	3,296.6	13.8	8.8	-80.32	-693.0	-573.0	587.9	565.7	22.16	26.534	
3,500.0	3,427.2	3,413.1	3,395.0	14.4	9.2	-81.55	-699.3	-584.0	590.2	567.2	23.04	25.616	
3,600.0	3,524.3	3,512.2	3,493.3	14.9	9.5	-82.78	-705.7	-595.1	592.8	568.9	23.93	24.777	
3,700.0	3,621.3	3,611.3	3,591.6	15.4	9.8	-83.99	-712.1	-606.2	595.7	570.9	24.81	24.008	
3,800.0	3,718.3	3,710.5	3,689.9	15.9	10.1	-85.20	-718.4	-617.3	598.9	573.2	25.70	23.304	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey J-14-23HN - Wellbore #1 - Plan #1 (8-21-14)

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
1,100.0	1,097.5	1,100.5	1,100.5	2.4	2.4	-51.81	-528.6	-323.4	591.6	586.9	4.73	125.103	
1,200.0	1,195.6	1,198.6	1,198.6	2.8	2.6	-53.47	-528.6	-323.4	579.9	574.6	5.25	110.427	
1,300.0	1,293.1	1,296.1	1,296.1	3.2	2.8	-55.48	-528.6	-323.4	566.6	560.7	5.82	97.294	
1,400.0	1,390.1	1,393.1	1,393.1	3.6	3.0	-57.52	-528.6	-323.4	552.9	546.4	6.45	85.781	
1,500.0	1,487.1	1,490.1	1,490.1	4.1	3.2	-59.64	-528.6	-323.4	539.9	532.9	7.10	76.061	
1,600.0	1,584.1	1,587.1	1,587.1	4.6	3.5	-61.86	-528.6	-323.4	527.8	520.0	7.78	67.854	
1,700.0	1,681.1	1,684.1	1,684.1	5.1	3.7	-64.18	-528.6	-323.4	516.5	508.0	8.48	60.904	
1,800.0	1,778.1	1,781.1	1,781.1	5.6	3.9	-66.59	-528.6	-323.4	506.2	497.0	9.20	55.000	
1,900.0	1,875.1	1,866.7	1,866.7	6.1	4.1	-68.78	-529.3	-323.7	497.7	487.8	9.89	50.316	
2,000.0	1,972.1	1,950.0	1,950.0	6.6	4.2	-70.91	-532.2	-324.9	492.9	482.3	10.57	46.644	
2,078.7	2,048.4	2,015.9	2,015.7	7.0	4.3	-72.57	-536.1	-326.4	491.7	480.6	11.10	44.298	CC
2,100.0	2,069.1	2,033.8	2,033.5	7.1	4.4	-73.01	-537.4	-327.0	491.8	480.6	11.25	43.730	ES
2,200.0	2,166.1	2,120.9	2,120.2	7.6	4.5	-75.11	-545.2	-330.0	494.3	482.4	11.95	41.384	
2,300.0	2,263.1	2,218.7	2,217.5	8.1	4.7	-77.41	-554.6	-333.8	498.5	485.9	12.68	39.329	
2,400.0	2,360.2	2,316.5	2,314.8	8.6	4.9	-79.67	-564.1	-337.5	503.5	490.1	13.41	37.540	
2,500.0	2,457.2	2,414.3	2,412.1	9.1	5.1	-81.89	-573.5	-341.3	509.4	495.2	14.16	35.983	
2,600.0	2,554.2	2,512.1	2,509.4	9.7	5.3	-84.05	-583.0	-345.1	515.9	501.0	14.90	34.626	
2,700.0	2,651.2	2,610.0	2,606.7	10.2	5.6	-86.16	-592.5	-348.8	523.3	507.6	15.65	33.443	
2,800.0	2,748.2	2,707.8	2,703.9	10.7	5.8	-88.21	-601.9	-352.6	531.3	514.9	16.39	32.412	
2,900.0	2,845.2	2,805.6	2,801.2	11.2	6.0	-90.19	-611.4	-356.3	540.0	522.9	17.14	31.512	
3,000.0	2,942.2	2,903.4	2,898.5	11.7	6.3	-92.12	-620.8	-360.1	549.4	531.5	17.88	30.728	
3,100.0	3,039.2	3,001.2	2,995.8	12.3	6.5	-93.98	-630.3	-363.8	559.4	540.8	18.62	30.043	
3,200.0	3,136.2	3,099.1	3,093.1	12.8	6.8	-95.77	-639.7	-367.6	570.0	550.6	19.36	29.446	
3,300.0	3,233.2	3,196.9	3,190.4	13.3	7.0	-97.50	-649.2	-371.3	581.1	561.0	20.09	28.925	
3,400.0	3,330.2	3,294.7	3,287.7	13.8	7.3	-99.17	-658.7	-375.1	592.7	571.9	20.82	28.472	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey K-14-23HN - Wellbore #1 - Plan #1 (8-21-14)

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
900.0	899.5	902.5	902.5	1.9	1.9	-49.31	-514.7	-317.5	594.4	590.6	3.78	157.102	
1,000.0	998.7	1,001.7	1,001.7	2.1	2.1	-50.33	-514.7	-317.5	586.5	582.3	4.24	138.236	
1,100.0	1,097.5	1,100.5	1,100.5	2.4	2.4	-51.67	-514.7	-317.5	576.6	571.9	4.73	121.945	
1,200.0	1,195.6	1,198.6	1,198.6	2.8	2.6	-53.36	-514.7	-317.5	564.9	559.6	5.25	107.579	
1,300.0	1,293.1	1,296.1	1,296.1	3.2	2.8	-55.43	-514.7	-317.5	551.5	545.7	5.82	94.720	
1,400.0	1,390.1	1,393.1	1,393.1	3.6	3.0	-57.52	-514.7	-317.5	537.8	531.4	6.45	83.447	
1,500.0	1,487.1	1,490.1	1,490.1	4.1	3.2	-59.71	-514.7	-317.5	524.9	517.8	7.10	73.935	
1,600.0	1,584.1	1,587.1	1,587.1	4.6	3.5	-61.99	-514.7	-317.5	512.8	505.0	7.78	65.909	
1,700.0	1,681.1	1,684.1	1,684.1	5.1	3.7	-64.38	-514.7	-317.5	501.6	493.1	8.48	59.119	
1,800.0	1,778.1	1,781.1	1,781.1	5.6	3.9	-66.87	-514.7	-317.5	491.3	482.1	9.21	53.357	
1,900.0	1,875.1	1,878.1	1,878.1	6.1	4.1	-69.46	-514.7	-317.5	482.1	472.1	9.95	48.454	
2,000.0	1,972.1	1,975.1	1,975.1	6.6	4.3	-72.13	-514.7	-317.5	473.8	463.1	10.70	44.275	
2,100.0	2,069.1	2,064.2	2,064.2	7.1	4.5	-74.72	-515.3	-317.1	467.4	455.9	11.43	40.897	
2,200.0	2,166.1	2,149.9	2,149.9	7.6	4.7	-77.45	-517.9	-315.3	464.3	452.2	12.14	38.258	
2,230.1	2,195.3	2,175.6	2,175.5	7.7	4.7	-78.30	-519.1	-314.4	464.2	451.8	12.35	37.586	CC, ES
2,300.0	2,263.1	2,234.9	2,234.6	8.1	4.8	-80.34	-522.6	-312.0	465.1	452.3	12.85	36.212	
2,400.0	2,360.2	2,318.9	2,318.2	8.6	5.0	-83.34	-529.2	-307.2	470.0	456.5	13.56	34.674	
2,500.0	2,457.2	2,402.1	2,400.8	9.1	5.2	-86.39	-537.7	-301.2	479.1	464.9	14.26	33.594	
2,600.0	2,554.2	2,496.7	2,494.5	9.7	5.4	-89.79	-548.4	-293.5	491.3	476.3	14.98	32.785	
2,700.0	2,651.2	2,591.4	2,588.2	10.2	5.6	-93.03	-559.1	-285.9	505.2	489.5	15.69	32.200	
2,800.0	2,748.2	2,686.0	2,681.9	10.7	5.8	-96.10	-569.8	-278.3	520.8	504.4	16.38	31.801	
2,900.0	2,845.2	2,780.6	2,775.6	11.2	6.0	-99.00	-580.5	-270.6	537.8	520.8	17.04	31.556	
3,000.0	2,942.2	2,875.3	2,869.3	11.7	6.3	-101.72	-591.2	-263.0	556.2	538.5	17.69	31.438	
3,100.0	3,039.2	2,969.9	2,963.1	12.3	6.5	-104.28	-601.9	-255.3	575.9	557.5	18.33	31.424	SF
3,200.0	3,136.2	3,064.5	3,056.8	12.8	6.8	-106.68	-612.6	-247.7	596.6	577.7	18.94	31.494	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey L-14-23HN - Wellbore #1 - Plan #1 (8-21-14)

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	3.0	3.0	0.0	0.0	-148.11	-500.9	-311.7	589.9				
100.0	100.0	103.0	103.0	0.1	0.1	-148.11	-500.9	-311.7	589.9	589.7	0.23	2,548.220	
200.0	200.0	203.0	203.0	0.3	0.3	-148.11	-500.9	-311.7	589.9	589.3	0.68	866.227	
300.0	300.0	303.0	303.0	0.6	0.6	-148.11	-500.9	-311.7	589.9	588.8	1.13	521.802	
400.0	400.0	403.0	403.0	0.8	0.8	-148.11	-500.9	-311.7	589.9	588.4	1.58	373.352	
500.0	500.0	503.0	503.0	1.0	1.0	-148.11	-500.9	-311.7	589.9	587.9	2.03	290.661	
600.0	600.0	603.0	603.0	1.2	1.2	-148.11	-500.9	-311.7	589.9	587.5	2.48	237.957	
700.0	700.0	703.0	703.0	1.4	1.5	-47.95	-500.9	-311.7	588.8	585.9	2.91	202.036	
800.0	799.8	802.8	802.8	1.7	1.7	-48.39	-500.9	-311.7	585.3	581.9	3.34	175.102	
900.0	899.5	902.5	902.5	1.9	1.9	-49.12	-500.9	-311.7	579.5	575.7	3.78	153.165	
1,000.0	998.7	1,001.7	1,001.7	2.1	2.1	-50.16	-500.9	-311.7	571.6	567.3	4.24	134.722	
1,100.0	1,097.5	1,100.5	1,100.5	2.4	2.4	-51.53	-500.9	-311.7	561.6	556.9	4.73	118.789	
1,200.0	1,195.6	1,198.6	1,198.6	2.8	2.6	-53.26	-500.9	-311.7	549.9	544.6	5.25	104.731	
1,300.0	1,293.1	1,294.5	1,294.5	3.2	2.8	-55.50	-501.7	-310.3	536.6	530.8	5.80	92.517	
1,400.0	1,390.1	1,388.6	1,388.4	3.6	3.0	-58.08	-504.0	-306.3	523.6	517.2	6.39	81.942	
1,500.0	1,487.1	1,481.0	1,480.6	4.1	3.1	-61.04	-507.8	-299.7	512.4	505.4	7.03	72.939	
1,600.0	1,584.1	1,573.9	1,572.9	4.6	3.3	-64.39	-512.9	-291.0	503.4	495.7	7.71	65.309	
1,700.0	1,681.1	1,668.2	1,666.6	5.1	3.6	-67.93	-518.2	-281.8	496.6	488.2	8.43	58.881	
1,800.0	1,778.1	1,762.6	1,760.4	5.6	3.8	-71.53	-523.5	-272.6	491.9	482.7	9.19	53.557	
1,900.0	1,875.1	1,856.9	1,854.1	6.1	4.0	-75.18	-528.8	-263.4	489.5	479.5	9.95	49.180	
1,959.3	1,932.6	1,912.8	1,909.6	6.4	4.2	-77.36	-531.9	-258.0	489.1	478.7	10.41	46.975 CC	
2,000.0	1,972.1	1,951.2	1,947.8	6.6	4.3	-78.86	-534.1	-254.3	489.3	478.5	10.73	45.610 ES	
2,100.0	2,069.1	2,045.5	2,041.5	7.1	4.5	-82.51	-539.4	-245.1	491.3	479.8	11.50	42.720	
2,200.0	2,166.1	2,139.8	2,135.2	7.6	4.8	-86.13	-544.7	-235.9	495.6	483.3	12.26	40.406	
2,300.0	2,263.1	2,234.1	2,229.0	8.1	5.0	-89.68	-550.0	-226.8	502.0	489.0	13.01	38.572	
2,400.0	2,360.2	2,328.5	2,322.7	8.6	5.3	-93.13	-555.3	-217.6	510.5	496.8	13.75	37.143	
2,500.0	2,457.2	2,422.8	2,416.4	9.1	5.6	-96.47	-560.6	-208.4	521.0	506.6	14.45	36.050	
2,600.0	2,554.2	2,517.1	2,510.1	9.7	5.8	-99.69	-565.9	-199.2	533.4	518.3	15.14	35.238	
2,700.0	2,651.2	2,611.4	2,603.8	10.2	6.1	-102.76	-571.2	-190.1	547.5	531.7	15.80	34.659	
2,800.0	2,748.2	2,705.7	2,697.6	10.7	6.4	-105.68	-576.5	-180.9	563.3	546.8	16.43	34.274	
2,900.0	2,845.2	2,800.0	2,791.3	11.2	6.7	-108.45	-581.8	-171.7	580.5	563.4	17.05	34.049	
3,000.0	2,942.2	2,894.4	2,885.0	11.7	6.9	-111.06	-587.1	-162.6	599.0	581.4	17.64	33.955 SF	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference 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	20.55	14.2	5.3	15.2	15.2	0.00	N/A	
100.0	100.0	101.0	101.0	0.1	0.1	20.55	14.2	5.3	15.2	14.9	0.23	66.817	
200.0	200.0	201.0	201.0	0.3	0.3	20.55	14.2	5.3	15.2	14.5	0.68	22.420	
300.0	300.0	301.0	301.0	0.6	0.6	20.55	14.2	5.3	15.2	14.0	1.13	13.470	
400.0	400.0	401.0	401.0	0.8	0.8	20.55	14.2	5.3	15.2	13.6	1.58	9.627	
500.0	500.0	501.0	501.0	1.0	1.0	20.55	14.2	5.3	15.2	13.1	2.03	7.490	
600.0	600.0	601.0	601.0	1.2	1.2	20.55	14.2	5.3	15.2	12.7	2.47	6.129	CC, ES
700.0	700.0	701.0	701.0	1.4	1.5	126.16	14.2	5.3	16.1	13.2	2.91	5.545	
800.0	799.8	800.8	800.8	1.7	1.7	138.50	14.2	5.3	19.7	16.3	3.34	5.897	
900.0	899.5	900.5	900.5	1.9	1.9	150.85	14.2	5.3	26.8	23.1	3.77	7.119	
1,000.0	998.7	999.7	999.7	2.1	2.1	159.76	14.2	5.3	38.0	33.8	4.20	9.031	
1,100.0	1,097.5	1,100.1	1,100.1	2.4	2.3	164.89	14.1	3.6	51.3	46.7	4.62	11.109	
1,200.0	1,195.6	1,201.1	1,200.9	2.8	2.6	167.48	13.9	-1.7	65.1	60.0	5.03	12.938	
1,300.0	1,293.1	1,302.5	1,301.9	3.2	2.8	168.81	13.5	-10.6	78.9	73.5	5.45	14.493	
1,400.0	1,390.1	1,404.6	1,403.3	3.6	3.0	169.29	12.9	-23.2	91.3	85.4	5.91	15.458	
1,500.0	1,487.1	1,507.5	1,504.8	4.1	3.3	169.01	12.2	-39.5	100.3	93.9	6.39	15.693	
1,600.0	1,584.1	1,608.9	1,604.4	4.6	3.6	168.24	11.3	-58.6	106.3	99.5	6.89	15.425	
1,700.0	1,681.1	1,708.7	1,702.4	5.1	4.0	167.50	10.5	-77.8	112.1	104.7	7.42	15.114	
1,800.0	1,778.1	1,808.5	1,800.3	5.6	4.3	166.83	9.6	-97.0	117.8	109.9	7.95	14.820	
1,900.0	1,875.1	1,908.4	1,898.3	6.1	4.7	166.22	8.8	-116.2	123.6	115.1	8.50	14.549	
2,000.0	1,972.1	2,008.2	1,996.2	6.6	5.1	165.66	7.9	-135.4	129.4	120.3	9.05	14.293	
2,100.0	2,069.1	2,108.0	2,094.2	7.1	5.5	165.15	7.1	-154.6	135.2	125.6	9.62	14.055	
2,200.0	2,166.1	2,207.8	2,192.1	7.6	5.9	164.69	6.2	-173.8	141.0	130.8	10.19	13.833	
2,300.0	2,263.1	2,307.7	2,290.1	8.1	6.3	164.26	5.3	-193.0	146.8	136.0	10.77	13.627	
2,400.0	2,360.2	2,407.5	2,388.1	8.6	6.7	163.86	4.5	-212.2	152.6	141.2	11.36	13.435	
2,500.0	2,457.2	2,507.3	2,486.0	9.1	7.1	163.49	3.6	-231.4	158.4	146.5	11.95	13.257	
2,600.0	2,554.2	2,607.1	2,584.0	9.7	7.5	163.15	2.8	-250.6	164.3	151.7	12.55	13.090	
2,700.0	2,651.2	2,707.0	2,681.9	10.2	7.9	162.84	1.9	-269.8	170.1	156.9	13.15	12.935	
2,800.0	2,748.2	2,806.8	2,779.9	10.7	8.3	162.54	1.0	-289.0	175.9	162.2	13.76	12.790	
2,900.0	2,845.2	2,906.6	2,877.8	11.2	8.7	162.26	0.2	-308.3	181.8	167.4	14.36	12.654	
3,000.0	2,942.2	3,006.4	2,975.8	11.7	9.2	162.00	-0.7	-327.5	187.6	172.6	14.98	12.527	
3,100.0	3,039.2	3,106.3	3,073.8	12.3	9.6	161.76	-1.5	-346.7	193.5	177.9	15.59	12.408	
3,200.0	3,136.2	3,206.1	3,171.7	12.8	10.0	161.53	-2.4	-365.9	199.3	183.1	16.21	12.296	
3,300.0	3,233.2	3,305.9	3,269.7	13.3	10.4	161.31	-3.3	-385.1	205.2	188.4	16.83	12.190	
3,400.0	3,330.2	3,405.7	3,367.6	13.8	10.8	161.10	-4.1	-404.3	211.1	193.6	17.46	12.091	
3,500.0	3,427.2	3,505.6	3,465.6	14.4	11.3	160.91	-5.0	-423.5	216.9	198.8	18.08	11.997	
3,600.0	3,524.3	3,605.4	3,563.5	14.9	11.7	160.73	-5.8	-442.7	222.8	204.1	18.71	11.909	
3,700.0	3,621.3	3,705.2	3,661.5	15.4	12.1	160.55	-6.7	-461.9	228.7	209.3	19.34	11.825	
3,800.0	3,718.3	3,805.0	3,759.5	15.9	12.5	160.39	-7.5	-481.1	234.5	214.6	19.97	11.745	
3,900.0	3,815.3	3,904.9	3,857.4	16.5	13.0	160.23	-8.4	-500.3	240.4	219.8	20.60	11.670	
4,000.0	3,912.3	4,004.7	3,955.4	17.0	13.4	160.08	-9.3	-519.5	246.3	225.0	21.23	11.599	
4,100.0	4,009.3	4,104.5	4,053.3	17.5	13.8	159.94	-10.1	-538.7	252.1	230.3	21.87	11.531	
4,200.0	4,106.3	4,204.3	4,151.3	18.0	14.3	159.80	-11.0	-557.9	258.0	235.5	22.50	11.466	
4,300.0	4,203.3	4,304.2	4,249.2	18.6	14.7	159.67	-11.8	-577.1	263.9	240.8	23.14	11.404	
4,400.0	4,300.3	4,404.0	4,347.2	19.1	15.1	159.55	-12.7	-596.3	269.8	246.0	23.78	11.346	
4,500.0	4,397.3	4,503.8	4,445.1	19.6	15.6	159.43	-13.6	-615.5	275.7	251.2	24.42	11.289	
4,600.0	4,494.3	4,603.6	4,543.1	20.2	16.0	159.31	-14.4	-634.7	281.5	256.5	25.06	11.236	
4,700.0	4,591.4	4,703.5	4,641.1	20.7	16.4	159.20	-15.3	-653.9	287.4	261.7	25.70	11.184	
4,800.0	4,688.4	4,803.3	4,739.0	21.2	16.8	159.10	-16.1	-673.2	293.3	267.0	26.34	11.135	
4,900.0	4,785.4	4,903.1	4,837.0	21.7	17.3	159.00	-17.0	-692.4	299.2	272.2	26.98	11.088	
5,000.0	4,882.4	5,002.9	4,934.9	22.3	17.7	158.90	-17.9	-711.6	305.1	277.5	27.63	11.043	
5,100.0	4,979.4	5,102.8	5,032.9	22.8	18.1	158.80	-18.7	-730.8	311.0	282.7	28.27	11.000	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	5,076.4	5,202.6	5,130.8	23.3	18.6	158.71	-19.6	-750.0	316.9	287.9	28.91	10.958	
5,300.0	5,173.4	5,302.4	5,228.8	23.8	19.0	158.63	-20.4	-769.2	322.7	293.2	29.56	10.918	
5,400.0	5,270.4	5,402.2	5,326.8	24.4	19.4	158.54	-21.3	-788.4	328.6	298.4	30.21	10.880	
5,500.0	5,367.6	5,502.1	5,424.7	24.8	19.9	158.44	-22.1	-807.6	333.8	303.0	30.86	10.817	
5,600.0	5,465.5	5,602.1	5,522.8	25.2	20.3	158.13	-23.0	-826.8	336.0	304.5	31.52	10.659	
5,700.0	5,564.0	5,702.0	5,620.9	25.5	20.7	157.57	-23.9	-846.1	335.0	302.8	32.21	10.400	
5,800.0	5,663.1	5,801.8	5,718.8	25.7	21.2	156.75	-24.7	-865.3	330.8	297.8	32.93	10.044	
5,900.0	5,762.6	5,901.3	5,816.5	25.9	21.6	155.63	-25.6	-884.4	323.4	289.7	33.71	9.595	
6,000.0	5,862.4	6,000.5	5,913.8	26.1	22.0	154.15	-26.4	-903.5	313.1	278.5	34.56	9.059	
6,100.0	5,962.3	6,099.2	6,010.6	26.2	22.5	152.26	-27.3	-922.5	299.8	264.3	35.52	8.441	
6,200.0	6,062.3	6,197.3	6,107.0	26.3	22.9	49.69	-28.1	-941.4	284.5	239.9	44.57	6.382	
6,300.0	6,162.3	6,295.5	6,203.3	26.4	23.3	47.20	-29.0	-960.2	269.4	225.0	44.38	6.070	
6,400.0	6,262.3	6,393.6	6,299.5	26.5	23.7	44.42	-29.8	-979.1	254.9	210.8	44.06	5.785	
6,500.0	6,362.3	6,491.7	6,395.8	26.7	24.2	41.33	-30.7	-998.0	241.0	197.4	43.59	5.530	
6,600.0	6,462.3	6,589.8	6,492.1	26.8	24.6	37.88	-31.5	-1,016.9	228.0	185.0	42.95	5.307	
6,700.0	6,562.3	6,688.0	6,588.4	26.9	25.0	34.03	-32.3	-1,035.7	215.8	173.7	42.15	5.121	
6,800.0	6,662.3	6,786.1	6,684.7	27.0	25.4	29.75	-33.2	-1,054.6	204.8	163.6	41.16	4.975	
6,900.0	6,762.3	6,884.2	6,781.0	27.1	25.9	25.04	-34.0	-1,073.5	195.0	155.0	40.02	4.873	
7,000.0	6,862.3	6,982.4	6,877.3	27.2	26.3	19.88	-34.9	-1,092.4	186.7	148.0	38.78	4.815	
7,100.0	6,962.3	7,080.5	6,973.6	27.3	26.7	14.30	-35.7	-1,111.3	180.1	142.6	37.55	4.797	
7,200.0	7,062.3	7,178.5	7,069.8	27.4	27.1	-81.98	-36.6	-1,130.1	175.4	122.1	53.30	3.291	
7,300.0	7,161.8	7,274.3	7,163.9	27.4	27.5	-91.09	-37.4	-1,147.9	172.7	118.0	54.67	3.158	
7,306.0	7,167.7	7,280.1	7,169.6	27.4	27.5	-91.69	-37.4	-1,148.7	172.6	117.9	54.71	3.156	
7,400.0	7,258.8	7,371.7	7,260.9	27.3	27.7	-101.07	-38.3	-1,155.8	175.2	120.4	54.80	3.198	
7,500.0	7,351.5	7,473.8	7,362.7	27.1	27.7	-110.55	-39.3	-1,150.0	183.4	129.9	53.50	3.428	
7,600.0	7,438.2	7,581.1	7,467.7	26.8	27.6	-119.02	-40.3	-1,128.3	196.3	145.3	51.00	3.849	
7,700.0	7,517.1	7,694.5	7,573.8	26.6	27.4	-126.20	-41.4	-1,088.7	212.3	164.5	47.73	4.447	
7,800.0	7,586.6	7,814.3	7,677.6	26.4	27.1	-132.07	-42.6	-1,029.2	229.6	185.4	44.19	5.197	
7,900.0	7,645.4	7,941.0	7,775.0	26.3	26.7	-136.69	-43.8	-948.4	246.7	205.9	40.84	6.041	
8,000.0	7,692.3	8,074.5	7,860.5	26.4	26.5	-140.18	-44.9	-846.1	261.9	223.8	38.13	6.871	
8,100.0	7,726.5	8,214.1	7,928.1	26.7	26.6	-142.61	-45.9	-724.2	274.0	237.5	36.46	7.515	
8,200.0	7,747.2	8,358.4	7,971.7	27.3	27.1	-144.07	-46.7	-586.9	281.8	245.7	36.15	7.796	
8,300.0	7,754.0	8,505.3	7,987.0	28.1	28.1	-144.58	-47.3	-441.0	284.7	247.4	37.26	7.641	
8,400.0	7,753.7	8,605.8	7,987.0	29.1	29.1	-144.62	-47.7	-340.6	285.0	246.4	38.61	7.380	
8,500.0	7,753.3	8,705.8	7,987.0	30.3	30.3	-144.66	-48.0	-240.6	285.3	245.1	40.20	7.095	
8,600.0	7,753.0	8,805.8	7,987.0	31.7	31.7	-144.70	-48.3	-140.6	285.5	243.5	42.01	6.796	
8,700.0	7,752.6	8,905.8	7,987.0	33.4	33.3	-144.74	-48.7	-40.6	285.8	241.8	44.01	6.494	
8,800.0	7,752.3	9,005.8	7,987.0	35.1	35.0	-144.78	-49.0	59.4	286.1	239.9	46.18	6.195	
8,900.0	7,751.9	9,105.8	7,987.0	37.0	36.9	-144.82	-49.3	159.4	286.4	237.9	48.49	5.906	
9,000.0	7,751.6	9,205.8	7,987.0	39.1	38.9	-144.85	-49.6	259.4	286.7	235.8	50.92	5.630	
9,100.0	7,751.2	9,305.8	7,987.0	41.2	41.0	-144.89	-50.0	359.4	287.0	233.5	53.45	5.369	
9,200.0	7,750.9	9,405.8	7,987.0	43.4	43.1	-144.93	-50.3	459.4	287.2	231.2	56.07	5.123	
9,300.0	7,750.6	9,505.8	7,987.0	45.6	45.3	-144.97	-50.6	559.4	287.5	228.7	58.77	4.893	
9,400.0	7,750.2	9,605.8	7,987.0	47.9	47.6	-145.01	-50.9	659.4	287.8	226.3	61.53	4.678	
9,500.0	7,749.9	9,705.8	7,987.0	50.3	50.0	-145.05	-51.3	759.4	288.1	223.7	64.35	4.477	
9,600.0	7,749.5	9,805.8	7,987.0	52.7	52.4	-145.09	-51.6	859.4	288.4	221.2	67.21	4.290	
9,700.0	7,749.2	9,905.8	7,987.0	55.2	54.8	-145.13	-51.9	959.4	288.6	218.5	70.12	4.117	
9,800.0	7,748.8	10,005.8	7,987.0	57.6	57.3	-145.17	-52.3	1,059.4	288.9	215.9	73.06	3.955	
9,900.0	7,748.5	10,105.8	7,987.0	60.1	59.7	-145.21	-52.6	1,159.4	289.2	213.2	76.03	3.804	
10,000.0	7,748.1	10,205.8	7,987.0	62.7	62.3	-145.25	-52.9	1,259.4	289.5	210.5	79.03	3.663	
10,100.0	7,747.8	10,305.8	7,987.0	65.2	64.8	-145.29	-53.2	1,359.4	289.8	207.7	82.06	3.531	
10,200.0	7,747.5	10,405.8	7,987.0	67.8	67.4	-145.33	-53.6	1,459.4	290.1	205.0	85.10	3.409	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-12HC - Wellbore #1 - Plan #1 (7-02-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	7,747.1	10,505.8	7,987.0	70.4	70.0	-145.36	-53.9	1,559.4	290.3	202.2	88.16	3.293	
10,400.0	7,746.8	10,605.8	7,987.0	73.0	72.5	-145.40	-54.2	1,659.4	290.6	199.4	91.23	3.186	
10,500.0	7,746.4	10,705.8	7,987.0	75.6	75.2	-145.44	-54.6	1,759.4	290.9	196.6	94.32	3.084	
10,600.0	7,746.1	10,805.8	7,987.0	78.3	77.8	-145.48	-54.9	1,859.4	291.2	193.8	97.42	2.989	
10,700.0	7,745.7	10,905.8	7,987.0	80.9	80.4	-145.52	-55.2	1,959.4	291.5	191.0	100.53	2.899	
10,800.0	7,745.4	11,005.8	7,987.0	83.6	83.1	-145.56	-55.5	2,059.4	291.8	188.1	103.65	2.815	
10,900.0	7,745.0	11,105.8	7,987.0	86.2	85.7	-145.59	-55.9	2,159.4	292.0	185.3	106.77	2.735	
11,000.0	7,744.7	11,205.8	7,987.0	88.9	88.4	-145.63	-56.2	2,259.4	292.3	182.4	109.90	2.660	
11,100.0	7,744.4	11,305.8	7,987.0	91.6	91.1	-145.67	-56.5	2,359.4	292.6	179.6	113.04	2.589	
11,200.0	7,744.0	11,405.8	7,987.0	94.3	93.8	-145.71	-56.9	2,459.4	292.9	176.7	116.18	2.521	
11,300.0	7,743.7	11,505.8	7,987.0	97.0	96.5	-145.75	-57.2	2,559.4	293.2	173.9	119.32	2.457	
11,400.0	7,743.3	11,605.8	7,987.0	99.7	99.2	-145.79	-57.5	2,659.4	293.5	171.0	122.47	2.396	
11,500.0	7,743.0	11,705.8	7,987.0	102.4	101.9	-145.82	-57.8	2,759.4	293.8	168.1	125.62	2.339	
11,600.0	7,742.6	11,805.8	7,987.0	105.1	104.6	-145.86	-58.2	2,859.4	294.0	165.3	128.76	2.284	
11,700.0	7,742.3	11,905.8	7,987.0	107.8	107.3	-145.90	-58.5	2,959.4	294.3	162.4	131.92	2.231	
11,800.0	7,741.9	12,005.8	7,987.0	110.5	110.0	-145.94	-58.8	3,059.4	294.6	159.5	135.07	2.181	
11,900.0	7,741.6	12,105.8	7,987.0	113.3	112.7	-145.97	-59.2	3,159.4	294.9	156.7	138.22	2.134	
12,000.0	7,741.2	12,205.8	7,987.0	116.0	115.4	-146.01	-59.5	3,259.4	295.2	153.8	141.37	2.088	
12,100.0	7,740.9	12,305.8	7,987.0	118.7	118.2	-146.05	-59.8	3,359.4	295.5	150.9	144.52	2.044	
12,200.0	7,740.6	12,405.8	7,987.0	121.5	120.9	-146.09	-60.1	3,459.4	295.8	148.1	147.67	2.003	
12,300.0	7,740.2	12,505.8	7,987.0	124.2	123.6	-146.12	-60.5	3,559.4	296.0	145.2	150.82	1.963	
12,400.0	7,739.9	12,605.8	7,987.0	126.9	126.4	-146.16	-60.8	3,659.4	296.3	142.4	153.97	1.925	
12,500.0	7,739.5	12,705.8	7,987.0	129.7	129.1	-146.20	-61.1	3,759.4	296.6	139.5	157.12	1.888	
12,600.0	7,739.2	12,805.8	7,987.0	132.4	131.9	-146.23	-61.4	3,859.4	296.9	136.6	160.26	1.853	
12,651.8	7,739.0	12,856.7	7,987.0	133.9	133.3	-146.25	-61.6	3,910.3	297.1	135.2	161.88	1.835 SF	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HC - Wellbore #1 - Plan #1 (8-21-14)

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	3.0	3.0	0.0	0.0	-147.61	-473.2	-300.2	560.4				
100.0	100.0	103.0	103.0	0.1	0.1	-147.61	-473.2	-300.2	560.4	560.1	0.23	2,420.551	
200.0	200.0	203.0	203.0	0.3	0.3	-147.61	-473.2	-300.2	560.4	559.7	0.68	822.828	
300.0	300.0	303.0	303.0	0.6	0.6	-147.61	-473.2	-300.2	560.4	559.2	1.13	495.660	
400.0	400.0	403.0	403.0	0.8	0.8	-147.61	-473.2	-300.2	560.4	558.8	1.58	354.647	
500.0	500.0	503.0	503.0	1.0	1.0	-147.61	-473.2	-300.2	560.4	558.3	2.03	276.098	
600.0	600.0	603.0	603.0	1.2	1.2	-147.61	-473.2	-300.2	560.4	557.9	2.48	226.035	
700.0	700.0	703.0	703.0	1.4	1.5	-47.46	-473.2	-300.2	559.2	556.3	2.91	191.890	
800.0	799.8	803.0	803.0	1.7	1.7	-47.91	-473.2	-300.2	555.7	552.3	3.34	166.262	
900.0	899.5	906.2	906.2	1.9	1.9	-48.90	-473.9	-298.3	549.5	545.7	3.77	145.632	
1,000.0	998.7	1,008.1	1,007.9	2.1	2.1	-50.62	-475.8	-293.1	540.7	536.4	4.21	128.276	
1,100.0	1,097.5	1,107.9	1,107.3	2.4	2.3	-53.06	-478.9	-284.7	529.7	525.0	4.70	112.693	
1,200.0	1,195.6	1,204.9	1,203.6	2.8	2.6	-56.22	-483.1	-273.4	517.3	512.1	5.25	98.578	
1,300.0	1,293.1	1,298.7	1,296.2	3.2	2.8	-60.01	-488.1	-260.1	504.7	498.8	5.88	85.854	
1,400.0	1,390.1	1,391.3	1,387.8	3.6	3.1	-63.89	-493.0	-246.7	493.5	486.9	6.58	74.954	
1,500.0	1,487.1	1,483.9	1,479.3	4.1	3.4	-67.90	-498.0	-233.3	485.0	477.7	7.34	66.101	
1,600.0	1,584.1	1,576.5	1,570.8	4.6	3.7	-72.02	-502.9	-219.9	479.3	471.2	8.12	59.011	
1,700.0	1,681.1	1,669.2	1,662.3	5.1	4.0	-76.19	-507.9	-206.5	476.6	467.7	8.93	53.393	
1,742.4	1,722.2	1,708.4	1,701.1	5.3	4.1	-77.97	-510.0	-200.8	476.3	467.1	9.27	51.390	CC, ES
1,800.0	1,778.1	1,761.8	1,753.8	5.6	4.3	-80.39	-512.9	-193.1	476.8	467.1	9.73	48.986	
1,900.0	1,875.1	1,854.4	1,845.4	6.1	4.6	-84.56	-517.8	-179.7	480.0	469.5	10.53	45.569	
2,000.0	1,972.1	1,947.1	1,936.9	6.6	4.9	-88.66	-522.8	-166.3	486.1	474.8	11.32	42.956	
2,100.0	2,069.1	2,039.7	2,028.4	7.1	5.3	-92.66	-527.7	-152.9	495.0	483.0	12.07	40.997	
2,200.0	2,166.1	2,132.3	2,119.9	7.6	5.6	-96.51	-532.7	-139.5	506.6	493.8	12.80	39.568	
2,300.0	2,263.1	2,224.9	2,211.4	8.1	5.9	-100.20	-537.7	-126.2	520.6	507.1	13.50	38.568	
2,400.0	2,360.2	2,317.6	2,303.0	8.6	6.2	-103.70	-542.6	-112.8	536.9	522.8	14.16	37.914	
2,500.0	2,457.2	2,410.2	2,394.5	9.1	6.6	-107.01	-547.6	-99.4	555.3	540.5	14.79	37.538	
2,600.0	2,554.2	2,502.8	2,486.0	9.7	6.9	-110.12	-552.5	-86.0	575.6	560.2	15.40	37.385	SF
2,700.0	2,651.2	2,595.5	2,577.5	10.2	7.2	-113.03	-557.5	-72.6	597.6	581.6	15.97	37.408	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HN - Wellbore #1 - Plan #1 (8-21-14)

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	3.0	3.0	0.0	0.0	-147.86	-487.0	-306.1	575.2				
100.0	100.0	103.0	103.0	0.1	0.1	-147.86	-487.0	-306.1	575.2	575.0	0.23	2,484.684	
200.0	200.0	203.0	203.0	0.3	0.3	-147.86	-487.0	-306.1	575.2	574.5	0.68	844.629	
300.0	300.0	303.0	303.0	0.6	0.6	-147.86	-487.0	-306.1	575.2	574.1	1.13	508.792	
400.0	400.0	403.0	403.0	0.8	0.8	-147.86	-487.0	-306.1	575.2	573.6	1.58	364.043	
500.0	500.0	503.0	503.0	1.0	1.0	-147.86	-487.0	-306.1	575.2	573.2	2.03	283.414	
600.0	600.0	603.0	603.0	1.2	1.2	-147.86	-487.0	-306.1	575.2	572.7	2.48	232.024	
700.0	700.0	703.0	703.0	1.4	1.5	-47.70	-487.0	-306.1	574.1	571.1	2.91	196.987	
800.0	799.8	802.8	802.8	1.7	1.7	-48.14	-487.0	-306.1	570.5	567.2	3.34	170.696	
900.0	899.5	902.5	902.5	1.9	1.9	-48.89	-487.0	-306.1	564.8	561.0	3.78	149.269	
1,000.0	998.7	1,001.7	1,001.7	2.1	2.1	-49.95	-487.0	-306.1	556.8	552.5	4.24	131.250	
1,100.0	1,097.5	1,102.4	1,102.4	2.4	2.3	-51.57	-487.8	-304.4	546.6	541.9	4.71	115.965	
1,200.0	1,195.6	1,201.1	1,200.9	2.8	2.5	-53.91	-489.8	-299.6	534.5	529.3	5.21	102.556	
1,300.0	1,293.1	1,297.2	1,296.6	3.2	2.7	-56.97	-493.0	-291.9	521.2	515.4	5.78	90.224	
1,400.0	1,390.1	1,390.7	1,389.5	3.6	3.0	-60.37	-497.4	-281.6	508.5	502.1	6.42	79.249	
1,500.0	1,487.1	1,483.8	1,481.6	4.1	3.2	-64.09	-502.5	-269.5	498.2	491.1	7.12	70.011	
1,600.0	1,584.1	1,576.9	1,573.9	4.6	3.5	-67.94	-507.6	-257.4	490.3	482.4	7.86	62.383	
1,700.0	1,681.1	1,670.1	1,666.1	5.1	3.7	-71.89	-512.7	-245.3	485.0	476.4	8.63	56.178	
1,800.0	1,778.1	1,763.3	1,758.4	5.6	4.0	-75.89	-517.8	-233.2	482.4	473.0	9.43	51.183	
1,845.5	1,822.2	1,805.7	1,800.3	5.8	4.1	-77.72	-520.2	-227.7	482.1	472.3	9.79	49.259	CC
1,900.0	1,875.1	1,856.5	1,850.6	6.1	4.3	-79.91	-523.0	-221.1	482.5	472.3	10.22	47.202	ES
2,000.0	1,972.1	1,949.6	1,942.9	6.6	4.6	-83.90	-528.1	-209.0	485.4	474.4	11.02	44.064	
2,100.0	2,069.1	2,042.8	2,035.1	7.1	4.9	-87.84	-533.2	-196.9	490.9	479.1	11.79	41.624	
2,200.0	2,166.1	2,136.0	2,127.3	7.6	5.2	-91.69	-538.3	-184.8	499.0	486.5	12.55	39.760	
2,300.0	2,263.1	2,229.2	2,219.6	8.1	5.5	-95.41	-543.4	-172.7	509.6	496.3	13.28	38.368	
2,400.0	2,360.2	2,322.3	2,311.8	8.6	5.8	-98.98	-548.5	-160.6	522.5	508.5	13.98	37.364	
2,500.0	2,457.2	2,415.5	2,404.1	9.1	6.1	-102.39	-553.7	-148.5	537.5	522.9	14.66	36.677	
2,600.0	2,554.2	2,508.7	2,496.3	9.7	6.4	-105.62	-558.8	-136.4	554.5	539.2	15.30	36.248	
2,700.0	2,651.2	2,601.9	2,588.6	10.2	6.7	-108.66	-563.9	-124.3	573.3	557.4	15.91	36.028	
2,800.0	2,748.2	2,695.0	2,680.8	10.7	7.0	-111.53	-569.0	-112.2	593.8	577.3	16.50	35.977	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-14-23HN - Wellbore #1 - Plan #1 (8-21-14)

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	3.0	3.0	0.0	0.0	-147.35	-459.4	-294.3	545.5				
100.0	100.0	103.0	103.0	0.1	0.1	-147.35	-459.4	-294.3	545.5	545.3	0.23	2,356.465	
200.0	200.0	203.0	203.0	0.3	0.3	-147.35	-459.4	-294.3	545.5	544.9	0.68	801.042	
300.0	300.0	303.0	303.0	0.6	0.6	-147.35	-459.4	-294.3	545.5	544.4	1.13	482.536	
400.0	400.0	403.0	403.0	0.8	0.8	-147.35	-459.4	-294.3	545.5	544.0	1.58	345.257	
500.0	500.0	503.0	503.0	1.0	1.0	-147.35	-459.4	-294.3	545.5	543.5	2.03	268.788	
600.0	600.0	603.1	603.1	1.2	1.2	-147.36	-459.4	-294.3	545.5	543.1	2.48	220.068	
700.0	700.0	707.9	707.9	1.4	1.5	-47.43	-460.0	-292.4	543.9	541.0	2.91	187.095	
800.0	799.8	811.9	811.7	1.7	1.7	-48.53	-461.8	-286.9	539.1	535.8	3.32	162.134	
900.0	899.5	914.4	913.8	1.9	1.9	-50.35	-464.8	-277.9	531.5	527.7	3.78	140.723	
1,000.0	998.7	1,014.8	1,013.3	2.1	2.2	-52.91	-468.8	-265.8	521.7	517.4	4.28	122.014	
1,100.0	1,097.5	1,112.2	1,109.5	2.4	2.5	-56.19	-473.8	-251.0	510.5	505.6	4.84	105.553	
1,200.0	1,195.6	1,205.9	1,201.7	2.8	2.8	-59.96	-479.0	-235.2	499.0	493.6	5.47	91.301	
1,300.0	1,293.1	1,298.3	1,292.6	3.2	3.1	-64.13	-484.2	-219.7	488.3	482.1	6.17	79.149	
1,400.0	1,390.1	1,390.0	1,382.9	3.6	3.4	-68.39	-489.3	-204.3	479.7	472.8	6.94	69.139	
1,500.0	1,487.1	1,481.7	1,473.1	4.1	3.8	-72.76	-494.5	-188.9	474.4	466.6	7.74	61.270	
1,600.0	1,584.1	1,573.4	1,563.4	4.6	4.1	-77.18	-499.6	-173.5	472.3	463.7	8.56	55.163	
1,611.2	1,594.9	1,583.6	1,573.4	4.6	4.2	-77.68	-500.2	-171.7	472.3	463.6	8.65	54.574	CC, ES
1,700.0	1,681.1	1,665.1	1,653.6	5.1	4.5	-81.61	-504.7	-158.1	473.6	464.2	9.38	50.479	
1,800.0	1,778.1	1,756.8	1,743.9	5.6	4.8	-86.00	-509.9	-142.6	478.2	468.1	10.19	46.933	
1,900.0	1,875.1	1,848.5	1,834.1	6.1	5.2	-90.29	-515.0	-127.2	486.1	475.2	10.97	44.297	
2,000.0	1,972.1	1,940.2	1,924.4	6.6	5.5	-94.44	-520.1	-111.8	497.1	485.4	11.73	42.386	
2,100.0	2,069.1	2,031.9	2,014.6	7.1	5.9	-98.41	-525.3	-96.4	510.9	498.5	12.45	41.052	
2,200.0	2,166.1	2,123.6	2,104.9	7.6	6.3	-102.19	-530.4	-81.0	527.4	514.3	13.13	40.178	
2,300.0	2,263.1	2,215.3	2,195.2	8.1	6.6	-105.75	-535.5	-65.6	546.4	532.6	13.77	39.667	
2,400.0	2,360.2	2,307.0	2,285.4	8.6	7.0	-109.10	-540.6	-50.2	567.5	553.1	14.39	39.444	SF
2,500.0	2,457.2	2,398.7	2,375.7	9.1	7.4	-112.22	-545.8	-34.8	590.5	575.5	14.97	39.446	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference 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	-160.45	-14.2	-5.0	15.1	15.1	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	-160.45	-14.2	-5.0	15.1	14.9	0.22	67.075	
200.0	200.0	200.0	200.0	0.3	0.3	-160.45	-14.2	-5.0	15.1	14.4	0.67	22.358	
300.0	300.0	300.0	300.0	0.6	0.6	-160.45	-14.2	-5.0	15.1	14.0	1.12	13.415	
400.0	400.0	400.0	400.0	0.8	0.8	-160.45	-14.2	-5.0	15.1	13.5	1.57	9.582	CC, ES
500.0	500.0	499.6	499.6	1.0	1.0	-156.09	-14.9	-6.6	16.3	14.3	2.00	8.150	
600.0	600.0	598.9	598.8	1.2	1.2	-146.45	-17.1	-11.3	20.5	18.1	2.43	8.438	
700.0	700.0	698.0	697.4	1.4	1.4	-39.03	-20.6	-19.1	26.9	24.0	2.86	9.416	
800.0	799.8	796.8	795.5	1.7	1.7	-35.95	-25.6	-30.0	33.9	30.6	3.28	10.337	
900.0	899.5	895.3	892.8	1.9	2.0	-34.99	-32.0	-43.9	41.3	37.6	3.72	11.098	
1,000.0	998.7	993.5	989.3	2.1	2.4	-35.20	-39.7	-60.8	49.0	44.8	4.19	11.704	
1,100.0	1,097.5	1,093.3	1,086.9	2.4	2.8	-36.78	-48.2	-79.5	55.6	50.9	4.70	11.826	
1,200.0	1,195.6	1,193.1	1,184.6	2.8	3.2	-40.11	-56.8	-98.2	59.5	54.2	5.28	11.269	
1,300.0	1,293.1	1,293.0	1,282.3	3.2	3.6	-45.27	-65.3	-116.9	61.1	55.1	5.97	10.227	
1,400.0	1,390.1	1,392.7	1,379.9	3.6	4.0	-51.44	-73.9	-135.6	62.0	55.2	6.80	9.108	
1,500.0	1,487.1	1,492.5	1,477.6	4.1	4.5	-57.37	-82.4	-154.3	63.6	55.8	7.73	8.225	
1,600.0	1,584.1	1,592.3	1,575.2	4.6	4.9	-62.96	-91.0	-173.0	65.8	57.1	8.72	7.547	
1,700.0	1,681.1	1,692.1	1,672.8	5.1	5.4	-68.13	-99.5	-191.8	68.6	58.9	9.75	7.036	
1,800.0	1,778.1	1,791.9	1,770.5	5.6	5.8	-72.87	-108.1	-210.5	72.0	61.2	10.81	6.657	
1,900.0	1,875.1	1,891.6	1,868.1	6.1	6.3	-77.15	-116.6	-229.2	75.8	63.9	11.87	6.380	
2,000.0	1,972.1	1,991.4	1,965.7	6.6	6.7	-81.02	-125.2	-247.9	79.9	67.0	12.93	6.180	
2,100.0	2,069.1	2,091.2	2,063.4	7.1	7.2	-84.48	-133.8	-266.6	84.4	70.4	13.98	6.038	
2,200.0	2,166.1	2,191.0	2,161.0	7.6	7.6	-87.59	-142.3	-285.3	89.2	74.2	15.02	5.939	
2,300.0	2,263.1	2,290.7	2,258.6	8.1	8.1	-90.37	-150.9	-304.0	94.2	78.2	16.04	5.873	
2,400.0	2,360.2	2,390.5	2,356.2	8.6	8.5	-92.87	-159.4	-322.7	99.4	82.4	17.05	5.832	
2,500.0	2,457.2	2,490.3	2,453.9	9.1	9.0	-95.11	-168.0	-341.4	104.8	86.7	18.04	5.809	
2,600.0	2,554.2	2,590.1	2,551.5	9.7	9.5	-97.14	-176.5	-360.1	110.3	91.3	19.02	5.799	
2,700.0	2,651.2	2,689.8	2,649.1	10.2	9.9	-98.97	-185.1	-378.9	116.0	96.0	19.99	5.800	
2,800.0	2,748.2	2,789.6	2,746.8	10.7	10.4	-100.63	-193.6	-397.6	121.7	100.8	20.95	5.809	
2,900.0	2,845.2	2,889.4	2,844.4	11.2	10.8	-102.13	-202.2	-416.3	127.6	105.6	21.90	5.824	
3,000.0	2,942.2	2,989.2	2,942.0	11.7	11.3	-103.51	-210.7	-435.0	133.5	110.6	22.85	5.843	
3,100.0	3,039.2	3,088.9	3,039.7	12.3	11.7	-104.77	-219.3	-453.7	139.5	115.7	23.78	5.865	
3,200.0	3,136.2	3,188.7	3,137.3	12.8	12.2	-105.92	-227.8	-472.4	145.5	120.8	24.71	5.889	
3,300.0	3,233.2	3,288.5	3,234.9	13.3	12.7	-106.98	-236.4	-491.1	151.6	126.0	25.64	5.915	
3,400.0	3,330.2	3,388.3	3,332.6	13.8	13.1	-107.96	-244.9	-509.8	157.8	131.2	26.56	5.942	
3,500.0	3,427.2	3,488.0	3,430.2	14.4	13.6	-108.86	-253.5	-528.5	164.0	136.5	27.48	5.969	
3,600.0	3,524.3	3,587.8	3,527.8	14.9	14.0	-109.70	-262.0	-547.2	170.2	141.9	28.39	5.997	
3,700.0	3,621.3	3,687.6	3,625.5	15.4	14.5	-110.48	-270.6	-566.0	176.5	147.2	29.30	6.025	
3,800.0	3,718.3	3,787.4	3,723.1	15.9	15.0	-111.21	-279.1	-584.7	182.8	152.6	30.21	6.052	
3,900.0	3,815.3	3,887.1	3,820.7	16.5	15.4	-111.88	-287.7	-603.4	189.2	158.0	31.11	6.080	
4,000.0	3,912.3	3,986.9	3,918.4	17.0	15.9	-112.52	-296.2	-622.1	195.5	163.5	32.01	6.107	
4,100.0	4,009.3	4,086.7	4,016.0	17.5	16.3	-113.11	-304.8	-640.8	201.9	169.0	32.91	6.134	
4,200.0	4,106.3	4,186.5	4,113.6	18.0	16.8	-113.67	-313.3	-659.5	208.3	174.5	33.81	6.160	
4,300.0	4,203.3	4,286.2	4,211.2	18.6	17.3	-114.19	-321.9	-678.2	214.7	180.0	34.71	6.186	
4,400.0	4,300.3	4,386.0	4,308.9	19.1	17.7	-114.68	-330.4	-696.9	221.1	185.5	35.61	6.211	
4,500.0	4,397.3	4,485.8	4,406.5	19.6	18.2	-115.15	-339.0	-715.6	227.6	191.1	36.50	6.235	
4,600.0	4,494.3	4,585.6	4,504.1	20.2	18.6	-115.59	-347.5	-734.4	234.1	196.7	37.39	6.259	
4,700.0	4,591.4	4,685.3	4,601.8	20.7	19.1	-116.00	-356.1	-753.1	240.5	202.2	38.29	6.283	
4,800.0	4,688.4	4,785.1	4,699.4	21.2	19.6	-116.40	-364.6	-771.8	247.0	207.8	39.18	6.305	
4,900.0	4,785.4	4,884.9	4,797.0	21.7	20.0	-116.77	-373.2	-790.5	253.5	213.4	40.07	6.327	
5,000.0	4,882.4	4,984.7	4,894.7	22.3	20.5	-117.13	-381.7	-809.2	260.0	219.1	40.96	6.349	
5,100.0	4,979.4	5,084.4	4,992.3	22.8	20.9	-117.46	-390.3	-827.9	266.5	224.7	41.84	6.370	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	5,076.4	5,184.2	5,089.9	23.3	21.4	-117.79	-398.9	-846.6	273.1	230.3	42.73	6.390	
5,300.0	5,173.4	5,284.0	5,187.6	23.8	21.9	-118.09	-407.4	-865.3	279.6	236.0	43.62	6.410	
5,400.0	5,270.4	5,383.8	5,285.2	24.4	22.3	-118.39	-416.0	-884.0	286.2	241.6	44.51	6.430	
5,500.0	5,367.6	5,483.6	5,382.9	24.8	22.8	-118.61	-424.5	-902.7	292.4	247.0	45.37	6.444	
5,600.0	5,465.5	5,583.4	5,480.6	25.2	23.2	-118.28	-433.1	-921.5	297.0	250.8	46.21	6.427	
5,700.0	5,564.0	5,683.2	5,578.2	25.5	23.7	-117.35	-441.6	-940.2	300.0	252.9	47.12	6.368	
5,800.0	5,663.1	5,782.9	5,675.7	25.7	24.2	-115.83	-450.2	-958.9	301.6	253.5	48.08	6.273	
5,900.0	5,762.6	5,882.2	5,773.0	25.9	24.6	-113.71	-458.7	-977.5	302.0	252.9	49.08	6.154	
6,000.0	5,862.4	5,981.2	5,869.8	26.1	25.1	-110.99	-467.2	-996.1	301.6	251.5	50.07	6.023	
6,100.0	5,962.3	6,079.6	5,966.1	26.2	25.5	-107.66	-475.6	-1,014.5	300.7	249.7	51.02	5.895	
6,191.1	6,053.4	6,168.9	6,053.4	26.3	25.9	-104.26	-483.2	-1,031.3	300.3	248.6	51.79	5.799	
6,200.0	6,062.3	6,177.5	6,061.9	26.3	26.0	155.85	-484.0	-1,032.9	300.3	268.6	31.64	9.489	
6,300.0	6,162.3	6,275.4	6,157.6	26.4	26.4	159.70	-492.4	-1,051.2	301.1	269.3	31.80	9.468	
6,400.0	6,262.3	6,373.2	6,253.4	26.5	26.9	163.50	-500.8	-1,069.6	303.4	271.2	32.22	9.416	
6,500.0	6,362.3	6,471.1	6,349.1	26.7	27.3	167.23	-509.1	-1,087.9	307.0	274.1	32.88	9.338	
6,600.0	6,462.3	6,570.0	6,446.0	26.8	27.8	170.87	-517.5	-1,106.3	311.9	278.2	33.75	9.242	
6,700.0	6,562.3	6,671.8	6,546.2	26.9	28.1	173.99	-525.0	-1,122.5	317.1	282.4	34.68	9.144	
6,800.0	6,662.3	6,774.7	6,648.1	27.0	28.3	176.44	-531.0	-1,135.7	321.9	286.4	35.57	9.051	
6,900.0	6,762.3	6,878.6	6,751.4	27.1	28.6	178.22	-535.5	-1,145.6	325.9	289.5	36.35	8.963	
7,000.0	6,862.3	6,983.1	6,855.6	27.2	28.7	179.38	-538.5	-1,152.1	328.6	291.6	36.99	8.883	
7,100.0	6,962.3	7,088.0	6,960.5	27.3	28.9	179.91	-539.9	-1,155.2	329.9	292.4	37.45	8.808	
7,200.0	7,062.3	7,189.9	7,062.3	27.4	29.0	89.82	-540.0	-1,155.4	330.0	275.6	54.39	6.068	
7,219.6	7,081.9	7,209.4	7,081.9	27.4	29.0	89.97	-540.0	-1,155.4	330.0	275.6	54.38	6.069	
7,300.0	7,161.8	7,289.6	7,162.1	27.4	29.1	91.44	-540.0	-1,154.8	330.1	275.9	54.17	6.094	
7,400.0	7,258.8	7,390.9	7,262.7	27.3	29.1	93.63	-540.0	-1,143.3	330.7	277.1	53.57	6.173	
7,500.0	7,351.5	7,494.1	7,362.4	27.1	28.9	95.75	-540.1	-1,117.1	331.7	279.0	52.74	6.289	
7,600.0	7,438.2	7,599.2	7,459.0	26.8	28.7	97.76	-540.3	-1,075.9	333.1	281.3	51.78	6.432	
7,700.0	7,517.1	7,706.2	7,550.0	26.6	28.3	99.62	-540.5	-1,019.9	334.8	283.9	50.82	6.587	
7,800.0	7,586.6	7,815.1	7,633.0	26.4	28.0	101.27	-540.7	-949.6	336.6	286.6	50.01	6.731	
7,900.0	7,645.4	7,925.7	7,705.3	26.3	27.7	102.69	-541.0	-866.1	338.3	288.8	49.51	6.833	
8,000.0	7,692.3	8,037.7	7,764.6	26.4	27.5	103.84	-541.3	-771.2	339.9	290.4	49.51	6.866	
8,100.0	7,726.5	8,150.9	7,808.6	26.7	27.5	104.69	-541.6	-667.0	341.2	291.1	50.12	6.808	
8,200.0	7,747.2	8,265.0	7,835.8	27.3	27.8	105.22	-542.0	-556.3	342.0	290.6	51.40	6.654	
8,300.0	7,754.0	8,379.5	7,845.0	28.1	28.3	105.42	-542.4	-442.3	342.4	289.1	53.27	6.427	
8,400.0	7,753.7	8,479.9	7,844.6	29.1	29.1	105.41	-542.7	-341.9	342.4	287.1	55.22	6.200	
8,500.0	7,753.3	8,579.9	7,844.3	30.3	30.1	105.41	-543.1	-241.9	342.3	284.7	57.60	5.943	
8,600.0	7,753.0	8,679.9	7,843.9	31.7	31.3	105.40	-543.4	-141.9	342.3	282.0	60.38	5.670	
8,700.0	7,752.6	8,779.9	7,843.5	33.4	32.8	105.40	-543.7	-41.9	342.3	278.8	63.50	5.391	
8,800.0	7,752.3	8,879.9	7,843.2	35.1	34.5	105.40	-544.0	58.1	342.3	275.4	66.92	5.116	
8,900.0	7,751.9	8,979.9	7,842.8	37.0	36.3	105.39	-544.4	158.1	342.3	271.7	70.58	4.850	
9,000.0	7,751.6	9,079.9	7,842.4	39.1	38.3	105.39	-544.7	258.1	342.3	267.8	74.47	4.597	
9,100.0	7,751.2	9,179.9	7,842.1	41.2	40.3	105.39	-545.0	358.1	342.3	263.8	78.53	4.359	
9,200.0	7,750.9	9,279.9	7,841.7	43.4	42.5	105.38	-545.4	458.1	342.3	259.5	82.76	4.136	
9,300.0	7,750.6	9,379.9	7,841.3	45.6	44.7	105.38	-545.7	558.1	342.3	255.2	87.11	3.929	
9,400.0	7,750.2	9,479.9	7,841.0	47.9	47.0	105.37	-546.0	658.1	342.3	250.7	91.59	3.737	
9,500.0	7,749.9	9,579.9	7,840.6	50.3	49.4	105.37	-546.3	758.1	342.3	246.1	96.16	3.560	
9,600.0	7,749.5	9,679.9	7,840.2	52.7	51.8	105.37	-546.7	858.1	342.3	241.5	100.81	3.395	
9,700.0	7,749.2	9,779.9	7,839.9	55.2	54.2	105.36	-547.0	958.1	342.3	236.7	105.54	3.243	
9,800.0	7,748.8	9,879.9	7,839.5	57.6	56.7	105.36	-547.3	1,058.1	342.3	231.9	110.33	3.102	
9,900.0	7,748.5	9,979.9	7,839.1	60.1	59.2	105.36	-547.6	1,158.1	342.3	227.1	115.18	2.971	
10,000.0	7,748.1	10,079.9	7,838.8	62.7	61.7	105.35	-548.0	1,258.1	342.3	222.2	120.08	2.850	
10,100.0	7,747.8	10,179.9	7,838.4	65.2	64.3	105.35	-548.3	1,358.1	342.2	217.2	125.02	2.737	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	7,747.5	10,279.9	7,838.0	67.8	66.9	105.35	-548.6	1,458.1	342.2	212.2	130.01	2.633	
10,300.0	7,747.1	10,379.9	7,837.7	70.4	69.5	105.34	-549.0	1,558.1	342.2	207.2	135.02	2.535	
10,400.0	7,746.8	10,479.9	7,837.3	73.0	72.1	105.34	-549.3	1,658.1	342.2	202.2	140.07	2.443	
10,500.0	7,746.4	10,579.9	7,836.9	75.6	74.7	105.33	-549.6	1,758.1	342.2	197.1	145.14	2.358	
10,600.0	7,746.1	10,679.9	7,836.5	78.3	77.3	105.33	-549.9	1,858.1	342.2	192.0	150.24	2.278	
10,700.0	7,745.7	10,779.9	7,836.2	80.9	80.0	105.33	-550.3	1,958.1	342.2	186.8	155.37	2.203	
10,800.0	7,745.4	10,879.9	7,835.8	83.6	82.6	105.32	-550.6	2,058.1	342.2	181.7	160.51	2.132	
10,900.0	7,745.0	10,979.9	7,835.4	86.2	85.3	105.32	-550.9	2,158.1	342.2	176.5	165.67	2.066	
11,000.0	7,744.7	11,079.9	7,835.1	88.9	88.0	105.32	-551.3	2,258.1	342.2	171.3	170.85	2.003	
11,100.0	7,744.4	11,179.9	7,834.7	91.6	90.6	105.31	-551.6	2,358.1	342.2	166.1	176.04	1.944	
11,200.0	7,744.0	11,279.9	7,834.3	94.3	93.3	105.31	-551.9	2,458.1	342.2	160.9	181.25	1.888	
11,300.0	7,743.7	11,379.9	7,834.0	97.0	96.0	105.30	-552.2	2,558.1	342.2	155.7	186.47	1.835	
11,400.0	7,743.3	11,479.9	7,833.6	99.7	98.7	105.30	-552.6	2,658.1	342.2	150.5	191.70	1.785	
11,500.0	7,743.0	11,579.9	7,833.2	102.4	101.4	105.30	-552.9	2,758.1	342.2	145.2	196.94	1.737	
11,600.0	7,742.6	11,679.9	7,832.9	105.1	104.2	105.29	-553.2	2,858.1	342.2	140.0	202.19	1.692	
11,700.0	7,742.3	11,779.9	7,832.5	107.8	106.9	105.29	-553.6	2,958.1	342.1	134.7	207.45	1.649	
11,800.0	7,741.9	11,879.9	7,832.1	110.5	109.6	105.29	-553.9	3,058.1	342.1	129.4	212.72	1.608	
11,900.0	7,741.6	11,979.9	7,831.8	113.3	112.3	105.28	-554.2	3,158.1	342.1	124.1	218.00	1.569	
12,000.0	7,741.2	12,079.9	7,831.4	116.0	115.0	105.28	-554.5	3,258.1	342.1	118.8	223.29	1.532	
12,100.0	7,740.9	12,179.9	7,831.0	118.7	117.8	105.27	-554.9	3,358.1	342.1	113.5	228.58	1.497	Level 3
12,200.0	7,740.6	12,279.9	7,830.7	121.5	120.5	105.27	-555.2	3,458.1	342.1	108.2	233.88	1.463	Level 3
12,300.0	7,740.2	12,379.9	7,830.3	124.2	123.3	105.27	-555.5	3,558.1	342.1	102.9	239.19	1.430	Level 3
12,400.0	7,739.9	12,479.9	7,829.9	126.9	126.0	105.26	-555.8	3,658.1	342.1	97.6	244.50	1.399	Level 3
12,500.0	7,739.5	12,579.9	7,829.6	129.7	128.7	105.26	-556.2	3,758.1	342.1	92.3	249.81	1.369	Level 3
12,600.0	7,739.2	12,679.9	7,829.2	132.4	131.5	105.26	-556.5	3,858.1	342.1	87.0	255.14	1.341	Level 3
12,651.8	7,739.0	12,731.7	7,829.0	133.9	132.9	105.25	-556.7	3,909.8	342.1	84.2	257.89	1.326	Level 3, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-14-23HN - Wellbore #1 - Plan #1 (8-21-14)

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	3.0	3.0	0.0	0.0	-147.06	-445.5	-288.7	530.9				
100.0	100.0	103.0	103.0	0.1	0.1	-147.06	-445.5	-288.7	530.9	530.6	0.23	2,293.086	
200.0	200.0	203.0	203.0	0.3	0.3	-147.06	-445.5	-288.7	530.9	530.2	0.68	779.498	
300.0	300.0	303.0	303.0	0.6	0.6	-147.06	-445.5	-288.7	530.9	529.7	1.13	469.558	
400.0	400.0	403.2	403.2	0.8	0.8	-147.06	-445.5	-288.7	530.9	529.3	1.58	335.988	
500.0	500.0	509.1	509.1	1.0	1.0	-147.27	-446.1	-286.7	530.3	528.2	2.03	261.627	
600.0	600.0	614.8	614.6	1.2	1.2	-147.89	-447.6	-280.9	528.6	526.1	2.47	213.655	
700.0	700.0	719.6	719.0	1.4	1.5	-48.81	-450.2	-271.5	524.8	521.9	2.94	178.590	
800.0	799.8	822.9	821.4	1.7	1.8	-50.79	-453.7	-258.6	518.1	514.6	3.43	151.090	
900.0	899.5	923.9	921.0	1.9	2.1	-53.51	-458.0	-242.6	509.1	505.1	3.97	128.107	
1,000.0	998.7	1,021.8	1,016.9	2.1	2.5	-56.96	-463.1	-223.8	498.6	494.1	4.58	108.874	
1,100.0	1,097.5	1,115.3	1,108.3	2.4	2.9	-60.86	-468.3	-204.6	488.2	482.9	5.24	93.088	
1,200.0	1,195.6	1,207.5	1,198.4	2.8	3.3	-65.16	-473.4	-185.6	478.6	472.6	5.97	80.227	
1,300.0	1,293.1	1,298.4	1,287.2	3.2	3.6	-69.83	-478.5	-166.9	470.8	464.0	6.75	69.751	
1,400.0	1,390.1	1,388.5	1,375.2	3.6	4.0	-74.60	-483.5	-148.4	466.1	458.5	7.58	61.474	
1,466.9	1,454.9	1,448.7	1,434.1	3.9	4.3	-77.81	-486.8	-136.0	465.2	457.0	8.15	57.083	CC
1,500.0	1,487.1	1,478.6	1,463.3	4.1	4.5	-79.41	-488.5	-129.9	465.4	457.0	8.43	55.223	ES
1,600.0	1,584.1	1,568.7	1,551.3	4.6	4.9	-84.19	-493.5	-111.3	468.7	459.5	9.27	50.584	
1,700.0	1,681.1	1,658.8	1,639.4	5.1	5.3	-88.89	-498.5	-92.8	476.0	465.9	10.08	47.212	
1,800.0	1,778.1	1,749.0	1,727.4	5.6	5.7	-93.44	-503.6	-74.3	487.1	476.2	10.86	44.831	
1,900.0	1,875.1	1,839.1	1,815.4	6.1	6.1	-97.80	-508.6	-55.8	501.6	490.0	11.61	43.225	
2,000.0	1,972.1	1,929.2	1,903.5	6.6	6.5	-101.94	-513.6	-37.2	519.4	507.1	12.30	42.222	
2,100.0	2,069.1	2,019.3	1,991.5	7.1	6.9	-105.82	-518.6	-18.7	540.1	527.2	12.96	41.688	
2,200.0	2,166.1	2,109.4	2,079.6	7.6	7.4	-109.44	-523.6	-0.2	563.4	549.8	13.57	41.517	SF
2,300.0	2,263.1	2,199.5	2,167.6	8.1	7.8	-112.80	-528.6	18.4	589.0	574.8	14.15	41.625	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference 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	-159.71	-28.1	-10.4	29.9				
100.0	100.0	100.0	100.0	0.1	0.1	-159.71	-28.1	-10.4	29.9	29.7	0.22	133.069	
200.0	200.0	200.0	200.0	0.3	0.3	-159.71	-28.1	-10.4	29.9	29.2	0.67	44.356	CC, ES
300.0	300.0	299.1	299.1	0.6	0.5	-157.99	-29.1	-11.8	31.4	30.3	1.10	28.413	
400.0	400.0	398.0	397.8	0.8	0.8	-153.68	-32.1	-15.9	35.9	34.3	1.54	23.291	
500.0	500.0	496.3	495.8	1.0	1.0	-148.55	-37.1	-22.7	43.7	41.7	2.01	21.769	
600.0	600.0	594.0	592.8	1.2	1.3	-143.88	-44.1	-32.2	55.0	52.5	2.51	21.892	
700.0	700.0	691.1	688.7	1.4	1.6	-40.59	-52.9	-44.2	68.6	65.7	2.90	23.674	
800.0	799.8	787.6	783.5	1.7	2.0	-39.51	-63.6	-58.7	82.8	79.4	3.34	24.797	
900.0	899.5	884.2	877.8	1.9	2.4	-39.53	-76.2	-75.8	97.5	93.7	3.81	25.611	
1,000.0	998.7	983.3	974.2	2.1	2.9	-40.56	-89.6	-94.1	110.5	106.2	4.30	25.691	
1,100.0	1,097.5	1,082.7	1,070.9	2.4	3.3	-42.47	-103.1	-112.5	121.0	116.2	4.84	24.993	
1,200.0	1,195.6	1,182.2	1,167.8	2.8	3.8	-45.15	-116.6	-130.9	129.2	123.8	5.45	23.707	
1,300.0	1,293.1	1,281.6	1,264.6	3.2	4.3	-48.61	-130.2	-149.2	135.3	129.2	6.15	22.003	
1,400.0	1,390.1	1,381.1	1,361.4	3.6	4.8	-52.41	-143.7	-167.6	140.8	133.8	6.95	20.251	
1,500.0	1,487.1	1,480.5	1,458.1	4.1	5.3	-55.92	-157.2	-186.0	146.9	139.0	7.82	18.784	
1,600.0	1,584.1	1,579.9	1,554.9	4.6	5.8	-59.14	-170.7	-204.3	153.4	144.7	8.73	17.569	
1,700.0	1,681.1	1,679.3	1,651.7	5.1	6.3	-62.10	-184.2	-222.7	160.4	150.7	9.68	16.564	
1,800.0	1,778.1	1,778.8	1,748.5	5.6	6.8	-64.80	-197.7	-241.1	167.8	157.1	10.67	15.732	
1,900.0	1,875.1	1,878.2	1,845.3	6.1	7.3	-67.26	-211.2	-259.4	175.5	163.9	11.67	15.042	
2,000.0	1,972.1	1,977.6	1,942.0	6.6	7.8	-69.52	-224.7	-277.8	183.6	170.9	12.69	14.467	
2,100.0	2,069.1	2,077.0	2,038.8	7.1	8.3	-71.59	-238.2	-296.1	191.9	178.2	13.72	13.984	
2,200.0	2,166.1	2,176.5	2,135.6	7.6	8.7	-73.48	-251.7	-314.5	200.4	185.6	14.76	13.577	
2,300.0	2,263.1	2,275.9	2,232.4	8.1	9.2	-75.22	-265.2	-332.9	209.1	193.3	15.80	13.232	
2,400.0	2,360.2	2,375.3	2,329.1	8.6	9.7	-76.82	-278.7	-351.2	218.0	201.2	16.85	12.938	
2,500.0	2,457.2	2,474.8	2,425.9	9.1	10.2	-78.29	-292.2	-369.6	227.1	209.2	17.90	12.685	
2,600.0	2,554.2	2,574.2	2,522.7	9.7	10.7	-79.65	-305.7	-388.0	236.3	217.3	18.95	12.467	
2,700.0	2,651.2	2,673.6	2,619.5	10.2	11.2	-80.90	-319.2	-406.3	245.6	225.6	20.00	12.278	
2,800.0	2,748.2	2,773.0	2,716.2	10.7	11.7	-82.07	-332.7	-424.7	255.0	234.0	21.05	12.114	
2,900.0	2,845.2	2,872.5	2,813.0	11.2	12.2	-83.15	-346.2	-443.1	264.5	242.4	22.10	11.970	
3,000.0	2,942.2	2,971.9	2,909.8	11.7	12.7	-84.16	-359.7	-461.4	274.1	251.0	23.15	11.843	
3,100.0	3,039.2	3,071.3	3,006.6	12.3	13.2	-85.09	-373.2	-479.8	283.8	259.6	24.19	11.731	
3,200.0	3,136.2	3,170.7	3,103.4	12.8	13.7	-85.97	-386.7	-498.2	293.6	268.3	25.24	11.632	
3,300.0	3,233.2	3,270.2	3,200.1	13.3	14.2	-86.79	-400.2	-516.5	303.4	277.1	26.28	11.544	
3,400.0	3,330.2	3,369.6	3,296.9	13.8	14.7	-87.56	-413.7	-534.9	313.3	285.9	27.32	11.465	
3,500.0	3,427.2	3,469.0	3,393.7	14.4	15.2	-88.28	-427.2	-553.3	323.2	294.8	28.36	11.395	
3,600.0	3,524.3	3,568.4	3,490.5	14.9	15.7	-88.95	-440.7	-571.6	333.2	303.8	29.40	11.331	
3,700.0	3,621.3	3,667.9	3,587.2	15.4	16.2	-89.59	-454.3	-590.0	343.2	312.8	30.44	11.274	
3,800.0	3,718.3	3,767.3	3,684.0	15.9	16.7	-90.19	-467.8	-608.4	353.3	321.8	31.48	11.223	
3,900.0	3,815.3	3,866.7	3,780.8	16.5	17.2	-90.76	-481.3	-626.7	363.4	330.8	32.51	11.176	
4,000.0	3,912.3	3,966.1	3,877.6	17.0	17.7	-91.30	-494.8	-645.1	373.5	339.9	33.55	11.134	
4,100.0	4,009.3	4,065.6	3,974.4	17.5	18.2	-91.81	-508.3	-663.4	383.6	349.1	34.58	11.095	
4,200.0	4,106.3	4,165.0	4,071.1	18.0	18.7	-92.29	-521.8	-681.8	393.8	358.2	35.61	11.060	
4,300.0	4,203.3	4,264.4	4,167.9	18.6	19.2	-92.75	-535.3	-700.2	404.1	367.4	36.64	11.028	
4,400.0	4,300.3	4,363.8	4,264.7	19.1	19.7	-93.19	-548.8	-718.5	414.3	376.6	37.67	10.999	
4,500.0	4,397.3	4,463.3	4,361.5	19.6	20.2	-93.61	-562.3	-736.9	424.6	385.9	38.70	10.972	
4,600.0	4,494.3	4,562.7	4,458.2	20.2	20.7	-94.00	-575.8	-755.3	434.8	395.1	39.72	10.947	
4,700.0	4,591.4	4,662.1	4,555.0	20.7	21.2	-94.38	-589.3	-773.6	445.2	404.4	40.75	10.924	
4,800.0	4,688.4	4,761.5	4,651.8	21.2	21.7	-94.74	-602.8	-792.0	455.5	413.7	41.77	10.903	
4,900.0	4,785.4	4,861.0	4,748.6	21.7	22.2	-95.08	-616.3	-810.4	465.8	423.0	42.80	10.884	
5,000.0	4,882.4	4,960.4	4,845.4	22.3	22.7	-95.41	-629.8	-828.7	476.2	432.3	43.82	10.866	
5,100.0	4,979.4	5,059.8	4,942.1	22.8	23.2	-95.73	-643.3	-847.1	486.5	441.7	44.85	10.849	

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 N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference 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	5,076.4	5,159.2	5,038.9	23.3	23.7	-96.03	-656.8	-865.5	496.9	451.1	45.87	10.834	
5,300.0	5,173.4	5,258.7	5,135.7	23.8	24.2	-96.32	-670.3	-883.8	507.3	460.4	46.89	10.819	
5,400.0	5,270.4	5,358.1	5,232.5	24.4	24.7	-96.60	-683.8	-902.2	517.7	469.8	47.91	10.806	
5,500.0	5,367.6	5,457.5	5,329.3	24.8	25.2	-96.92	-697.3	-920.6	528.1	479.2	48.89	10.802	SF
5,600.0	5,465.5	5,557.0	5,426.1	25.2	25.7	-96.95	-710.8	-938.9	538.0	488.3	49.72	10.822	
5,700.0	5,564.0	5,656.4	5,522.9	25.5	26.2	-96.62	-724.3	-957.3	547.6	497.1	50.47	10.849	
5,800.0	5,663.1	5,755.7	5,619.4	25.7	26.7	-95.94	-737.8	-975.6	556.8	505.6	51.15	10.885	
5,900.0	5,762.6	5,854.6	5,715.7	25.9	27.2	-94.94	-751.2	-993.9	565.9	514.1	51.74	10.936	
6,000.0	5,862.4	5,953.0	5,811.6	26.1	27.7	-93.64	-764.6	-1,012.1	574.9	522.7	52.24	11.005	
6,100.0	5,962.3	6,051.0	5,906.9	26.2	28.2	-92.07	-777.9	-1,030.2	584.3	531.6	52.64	11.099	
6,200.0	6,062.3	6,148.3	6,001.7	26.3	28.7	169.52	-791.1	-1,048.2	594.1	559.5	34.59	17.178	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey P-14-23HN - Wellbore #1 - Plan #1 (8-21-14)

Offset Site Error: 0.0 ft

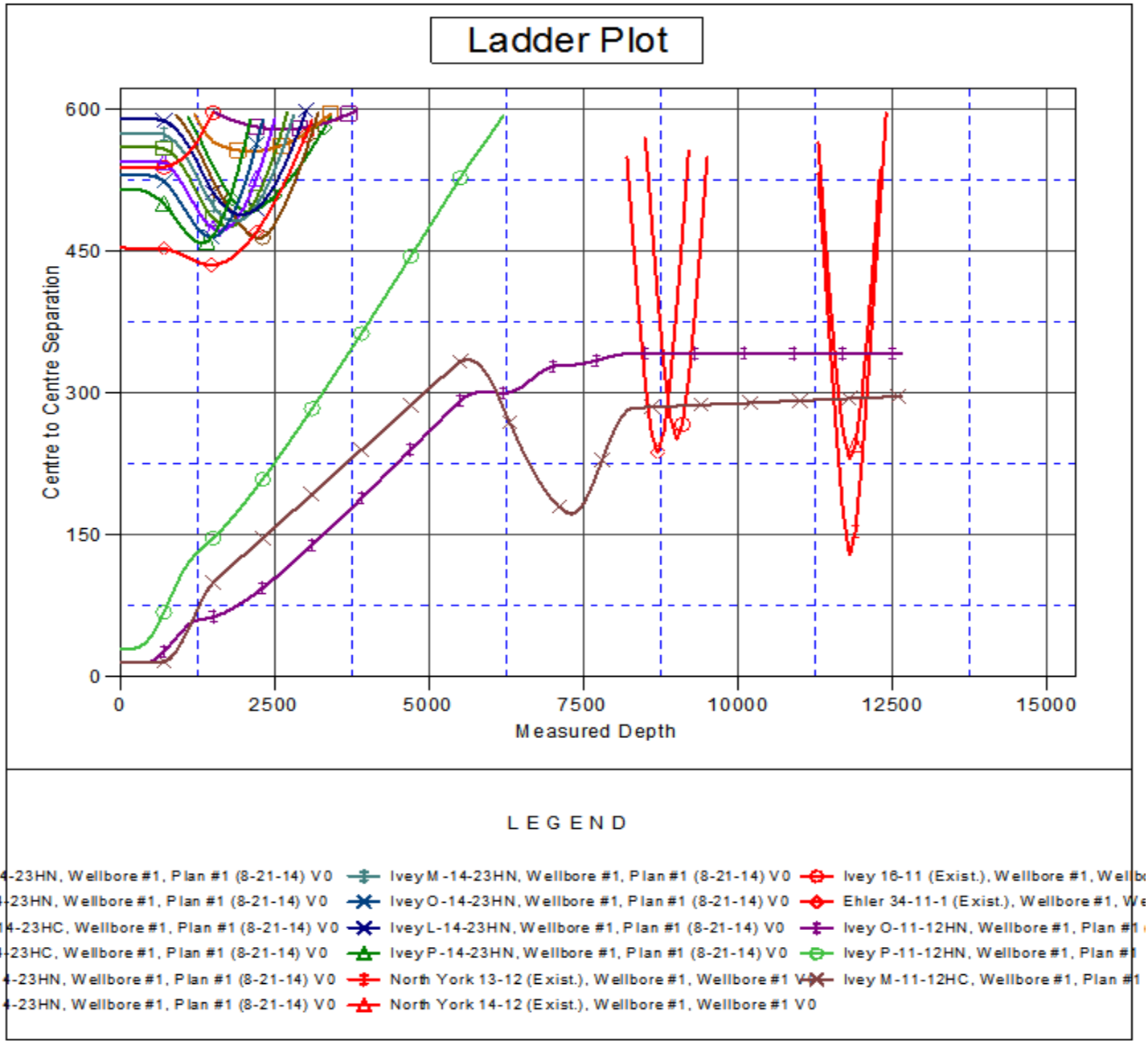
Survey Program: 0-MWD

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	3.0	3.0	0.0	0.0	-146.77	-431.7	-282.8	516.1				
100.0	100.0	103.0	103.0	0.1	0.1	-146.77	-431.7	-282.8	516.1	515.8	0.23	2,229.124	
200.0	200.0	203.2	203.2	0.3	0.3	-146.77	-431.7	-282.8	516.1	515.4	0.68	757.692	
300.0	300.0	309.8	309.8	0.6	0.6	-146.99	-432.2	-280.7	515.4	514.2	1.13	454.765	
400.0	400.0	416.1	415.9	0.8	0.8	-147.62	-433.5	-274.9	513.5	511.9	1.59	322.002	
500.0	500.0	521.8	521.1	1.0	1.1	-148.67	-435.7	-265.2	510.4	508.4	2.07	246.551	
600.0	600.0	626.6	625.0	1.2	1.4	-150.14	-438.8	-251.9	506.5	503.9	2.56	197.973	
700.0	700.0	729.9	726.9	1.4	1.8	-51.97	-442.7	-235.2	500.8	497.6	3.20	156.597	
800.0	799.8	830.9	825.9	1.7	2.2	-54.86	-447.2	-215.4	492.9	489.1	3.81	129.303	
900.0	899.5	929.0	921.1	1.9	2.6	-58.50	-452.4	-192.9	483.7	479.3	4.49	107.858	
1,000.0	998.7	1,022.2	1,011.4	2.1	3.1	-62.60	-457.7	-170.0	474.8	469.5	5.21	91.197	
1,100.0	1,097.5	1,114.2	1,100.3	2.4	3.6	-67.08	-462.9	-147.4	467.0	461.1	5.96	78.303	
1,200.0	1,195.6	1,204.7	1,188.0	2.8	4.0	-71.90	-468.1	-125.1	461.4	454.7	6.76	68.221	
1,300.0	1,293.1	1,293.8	1,274.1	3.2	4.5	-76.98	-473.1	-103.2	458.9	451.3	7.60	60.350	
1,314.5	1,307.1	1,306.6	1,286.5	3.2	4.6	-77.73	-473.9	-100.1	458.8	451.1	7.73	59.359	CC, ES
1,400.0	1,390.1	1,382.0	1,359.5	3.6	5.0	-82.16	-478.2	-81.5	460.6	452.1	8.46	54.416	
1,500.0	1,487.1	1,470.3	1,444.9	4.1	5.5	-87.26	-483.2	-59.8	467.0	457.7	9.31	50.170	
1,600.0	1,584.1	1,558.5	1,530.3	4.6	5.9	-92.22	-488.2	-38.1	478.0	467.9	10.12	47.239	
1,700.0	1,681.1	1,646.8	1,615.7	5.1	6.4	-96.97	-493.2	-16.4	493.3	482.4	10.89	45.320	
1,800.0	1,778.1	1,735.0	1,701.1	5.6	6.9	-101.45	-498.2	5.3	512.5	500.9	11.60	44.179	
1,900.0	1,875.1	1,823.2	1,786.5	6.1	7.4	-105.65	-503.2	27.0	535.1	522.8	12.26	43.630	
2,000.0	1,972.1	1,911.5	1,871.8	6.6	7.8	-109.55	-508.2	48.7	560.7	547.9	12.88	43.532	SF
2,100.0	2,069.1	1,999.7	1,957.2	7.1	8.3	-113.14	-513.2	70.4	589.0	575.6	13.46	43.772	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Ivey N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 5129.5ft (Original Well Elev)
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °
Coordinates are relative to: Ivey N-11-12HN
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 N-11-12HN
Project:	SEC.11-T1S-R68W	**TVD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	**MD Reference:**	WELL @ 5129.5ft (Original Well Elev)
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Ivey N-11-12HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	landmark
Reference Design:	Plan #1 (7-02-13)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 5129.5ft (Original Well Elev) Coordinates are relative to: Ivey N-11-12HN
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.35°