

Bayswater Exploration & Production, LLC

Well Name: **Ivey N-14-23HN**

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

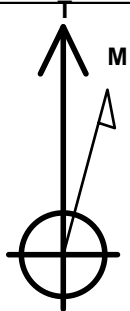
North American Datum 1983, US State Plane 1983, Colorado Northern Zone

Ground Elevation: 5110.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1233709.02	3149473.04	39.973681	-104.966663	
Original Well Elev WELL @ 5132.5ft (Original Well Elev)						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 603'FSL, 2030'FEL, SEC.11	1.0	0.0	0.0	Point
BHL 2604'FNL, 850'FEL, SEC.23	7742.0	-8511.8	1205.6	Point
LANDING PT. 465'FNL, 850'FEL, SEC.14	7757.0	-1070.2	1180.8	Point



Azimuths to True North
Magnetic North: 8.52°

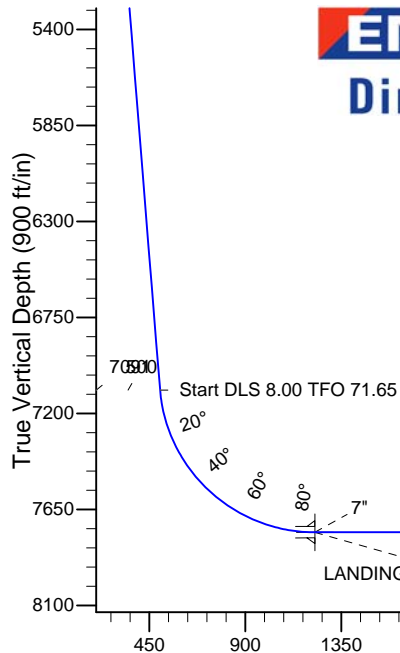
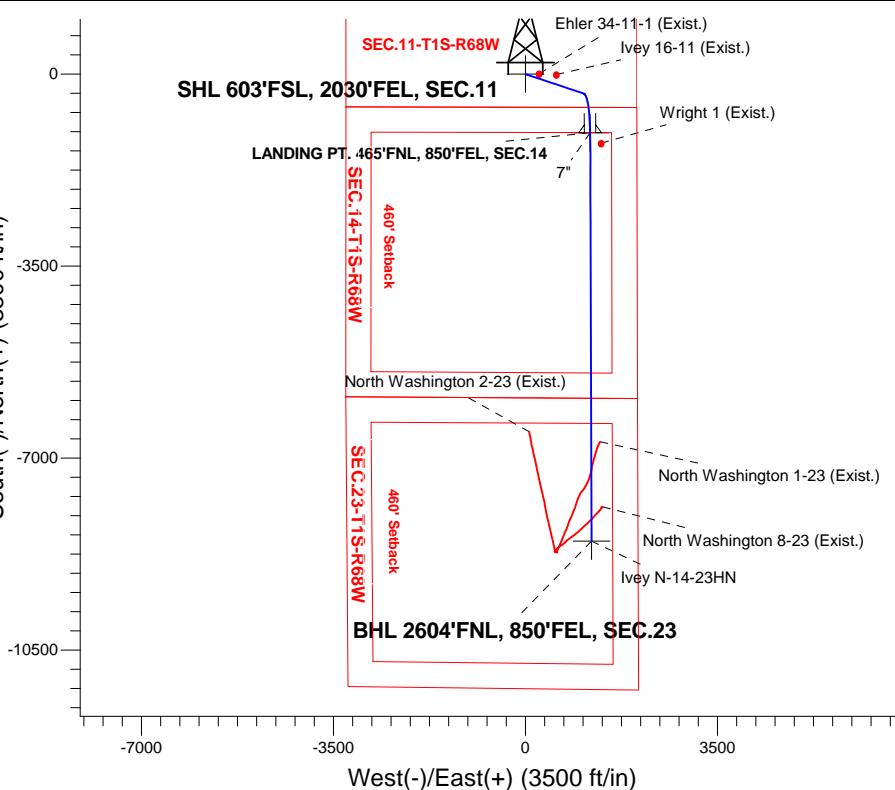
Magnetic Field
Strength: 52560.0srT
Dip Angle: 66.57°
Date: 7/10/2014
Model: IGRF2010

Ivey Pad Sec.11-T1S-R68W
Ivey N-14-23HN
Plan #2 (11-5-14)
16:06, November 07 2014

ANNOTATIONS

TVD	MD	Annotation
600.0	600.0	KOP - Start Build 2.00
7090.9	7189.7	Start DLS 8.00 TFO 71.65
7742.0	15717.4	TD at 15717.4

South(-)/North(+) (3500 ft/in)



ENSIGN
Directional

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	1110.0	10.20	108.40	1107.3	-14.3	43.0	2.00	108.40	20.2	
4	7189.7	10.20	108.40	7090.9	-354.1	1064.5	0.00	0.00	499.9	
5	8275.7	90.12	179.80	7757.0	-1070.2	1180.8	8.00	71.65	1225.3	LANDING PT. 465'FNL, 850'FEL, SEC.14
6	8276.7	90.12	179.81	7757.0	-1071.3	1180.8	1.00	115.45	1226.3	
7	15717.4	90.12	179.81	7742.0	-8511.8	1205.6	0.00	0.00	8596.8	BHL 2604'FNL, 850'FEL, SEC.23

BHL 2604'FNL, 850'FEL, SEC.23

Vertical Section at 171.94° (900 ft/in)



Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey N-14-23HN

Wellbore #1

Plan: Plan #2 (11-5-14)

Standard Planning Report

07 November, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	Landmark	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey N-14-23HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-5-14)		

Project	SEC.11-T1S-R68W, Weld County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site						Ivey Pad Sec.11-T1S-R68W											
Site Position:						Northing:			1,234,283.31 ft			Latitude:			39.975252		
From:			Lat/Long			Easting:			3,149,805.06 ft			Longitude:			-104.965466		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.35 °		

Well	Ivey N-14-23HN					
Well Position	+N-S	-572.3 ft	Northing:	1,233,709.02 ft	Latitude:	39.973681
	+E-W	-335.5 ft	Easting:	3,149,473.04 ft	Longitude:	-104.966663
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,110.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/10/2014	8.52	66.57	52,560

Design	Plan #2 (11-5-14)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	171.94

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	
1,110.0	10.20	108.40	1,107.3	-14.3	43.0	2.00	2.00	0.00	108.40	
7,189.7	10.20	108.40	7,090.9	-354.1	1,064.5	0.00	0.00	0.00	0.00	
8,275.7	90.12	179.80	7,757.0	-1,070.2	1,180.8	8.00	7.36	6.57	71.65	LANDING PT. 465'I
8,276.7	90.12	179.81	7,757.0	-1,071.3	1,180.8	1.00	-0.43	0.90	115.45	
15,717.4	90.12	179.81	7,742.0	-8,511.8	1,205.6	0.00	0.00	0.00	0.00	BHL 2604'FNL, 85C

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Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey N-14-23HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-5-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.00									
700.0	2.00	108.40	700.0	-0.6	1.7	0.8	2.00	2.00	0.00
800.0	4.00	108.40	799.8	-2.2	6.6	3.1	2.00	2.00	0.00
900.0	6.00	108.40	899.5	-5.0	14.9	7.0	2.00	2.00	0.00
1,000.0	8.00	108.40	998.7	-8.8	26.5	12.4	2.00	2.00	0.00
1,100.0	10.00	108.40	1,097.5	-13.7	41.3	19.4	2.00	2.00	0.00
1,110.0	10.20	108.40	1,107.3	-14.3	43.0	20.2	2.00	2.00	0.00
1,200.0	10.20	108.40	1,195.9	-19.3	58.1	27.3	0.00	0.00	0.00
1,300.0	10.20	108.40	1,294.3	-24.9	74.9	35.2	0.00	0.00	0.00
1,400.0	10.20	108.40	1,392.7	-30.5	91.7	43.1	0.00	0.00	0.00
1,500.0	10.20	108.40	1,491.1	-36.1	108.5	50.9	0.00	0.00	0.00
1,600.0	10.20	108.40	1,589.6	-41.7	125.3	58.8	0.00	0.00	0.00
1,700.0	10.20	108.40	1,688.0	-47.3	142.1	66.7	0.00	0.00	0.00
1,800.0	10.20	108.40	1,786.4	-52.9	158.9	74.6	0.00	0.00	0.00
1,900.0	10.20	108.40	1,884.8	-58.4	175.7	82.5	0.00	0.00	0.00
2,000.0	10.20	108.40	1,983.2	-64.0	192.5	90.4	0.00	0.00	0.00
2,100.0	10.20	108.40	2,081.7	-69.6	209.3	98.3	0.00	0.00	0.00
2,200.0	10.20	108.40	2,180.1	-75.2	226.1	106.2	0.00	0.00	0.00
2,300.0	10.20	108.40	2,278.5	-80.8	242.9	114.1	0.00	0.00	0.00
2,400.0	10.20	108.40	2,376.9	-86.4	259.7	122.0	0.00	0.00	0.00
2,500.0	10.20	108.40	2,475.3	-92.0	276.5	129.9	0.00	0.00	0.00
2,600.0	10.20	108.40	2,573.8	-97.6	293.3	137.7	0.00	0.00	0.00
2,700.0	10.20	108.40	2,672.2	-103.2	310.1	145.6	0.00	0.00	0.00
2,800.0	10.20	108.40	2,770.6	-108.7	326.9	153.5	0.00	0.00	0.00
2,900.0	10.20	108.40	2,869.0	-114.3	343.7	161.4	0.00	0.00	0.00
3,000.0	10.20	108.40	2,967.4	-119.9	360.5	169.3	0.00	0.00	0.00
3,100.0	10.20	108.40	3,065.9	-125.5	377.3	177.2	0.00	0.00	0.00
3,200.0	10.20	108.40	3,164.3	-131.1	394.1	185.1	0.00	0.00	0.00
3,300.0	10.20	108.40	3,262.7	-136.7	410.9	193.0	0.00	0.00	0.00
3,400.0	10.20	108.40	3,361.1	-142.3	427.7	200.9	0.00	0.00	0.00
3,500.0	10.20	108.40	3,459.5	-147.9	444.5	208.8	0.00	0.00	0.00
3,600.0	10.20	108.40	3,558.0	-153.5	461.3	216.6	0.00	0.00	0.00
3,700.0	10.20	108.40	3,656.4	-159.1	478.1	224.5	0.00	0.00	0.00
3,800.0	10.20	108.40	3,754.8	-164.6	495.0	232.4	0.00	0.00	0.00
3,900.0	10.20	108.40	3,853.2	-170.2	511.8	240.3	0.00	0.00	0.00
4,000.0	10.20	108.40	3,951.6	-175.8	528.6	248.2	0.00	0.00	0.00
4,100.0	10.20	108.40	4,050.1	-181.4	545.4	256.1	0.00	0.00	0.00
4,200.0	10.20	108.40	4,148.5	-187.0	562.2	264.0	0.00	0.00	0.00
4,300.0	10.20	108.40	4,246.9	-192.6	579.0	271.9	0.00	0.00	0.00
4,400.0	10.20	108.40	4,345.3	-198.2	595.8	279.8	0.00	0.00	0.00
4,500.0	10.20	108.40	4,443.7	-203.8	612.6	287.7	0.00	0.00	0.00
4,600.0	10.20	108.40	4,542.2	-209.4	629.4	295.5	0.00	0.00	0.00
4,700.0	10.20	108.40	4,640.6	-214.9	646.2	303.4	0.00	0.00	0.00
4,800.0	10.20	108.40	4,739.0	-220.5	663.0	311.3	0.00	0.00	0.00
4,900.0	10.20	108.40	4,837.4	-226.1	679.8	319.2	0.00	0.00	0.00
5,000.0	10.20	108.40	4,935.8	-231.7	696.6	327.1	0.00	0.00	0.00
5,100.0	10.20	108.40	5,034.3	-237.3	713.4	335.0	0.00	0.00	0.00

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Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey N-14-23HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-5-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	10.20	108.40	5,132.7	-242.9	730.2	342.9	0.00	0.00	0.00
5,300.0	10.20	108.40	5,231.1	-248.5	747.0	350.8	0.00	0.00	0.00
5,400.0	10.20	108.40	5,329.5	-254.1	763.8	358.7	0.00	0.00	0.00
5,500.0	10.20	108.40	5,427.9	-259.7	780.6	366.6	0.00	0.00	0.00
5,600.0	10.20	108.40	5,526.4	-265.2	797.4	374.5	0.00	0.00	0.00
5,700.0	10.20	108.40	5,624.8	-270.8	814.2	382.3	0.00	0.00	0.00
5,800.0	10.20	108.40	5,723.2	-276.4	831.0	390.2	0.00	0.00	0.00
5,900.0	10.20	108.40	5,821.6	-282.0	847.8	398.1	0.00	0.00	0.00
6,000.0	10.20	108.40	5,920.0	-287.6	864.6	406.0	0.00	0.00	0.00
6,100.0	10.20	108.40	6,018.5	-293.2	881.4	413.9	0.00	0.00	0.00
6,200.0	10.20	108.40	6,116.9	-298.8	898.2	421.8	0.00	0.00	0.00
6,300.0	10.20	108.40	6,215.3	-304.4	915.0	429.7	0.00	0.00	0.00
6,400.0	10.20	108.40	6,313.7	-310.0	931.8	437.6	0.00	0.00	0.00
6,500.0	10.20	108.40	6,412.1	-315.6	948.6	445.5	0.00	0.00	0.00
6,600.0	10.20	108.40	6,510.6	-321.1	965.4	453.4	0.00	0.00	0.00
6,700.0	10.20	108.40	6,609.0	-326.7	982.2	461.2	0.00	0.00	0.00
6,800.0	10.20	108.40	6,707.4	-332.3	999.0	469.1	0.00	0.00	0.00
6,900.0	10.20	108.40	6,805.8	-337.9	1,015.8	477.0	0.00	0.00	0.00
7,000.0	10.20	108.40	6,904.2	-343.5	1,032.6	484.9	0.00	0.00	0.00
7,100.0	10.20	108.40	7,002.6	-349.1	1,049.4	492.8	0.00	0.00	0.00
7,189.7	10.20	108.40	7,090.9	-354.1	1,064.5	499.9	0.00	0.00	0.00
Start DLS 8.00 TFO 71.65									
7,200.0	10.49	112.71	7,101.1	-354.8	1,066.2	500.8	8.02	2.81	41.84
7,300.0	15.42	141.60	7,198.6	-368.7	1,082.9	516.9	8.00	4.93	28.89
7,400.0	22.19	155.07	7,293.2	-396.3	1,099.2	546.5	8.00	6.77	13.47
7,500.0	29.56	162.28	7,383.2	-437.0	1,114.7	589.0	8.00	7.37	7.21
7,600.0	37.17	166.78	7,466.6	-490.0	1,129.1	643.5	8.00	7.61	4.50
7,700.0	44.90	169.93	7,542.0	-554.2	1,142.2	708.9	8.00	7.73	3.14
7,800.0	52.70	172.32	7,607.8	-628.5	1,153.7	784.1	8.00	7.80	2.39
7,900.0	60.54	174.25	7,662.8	-711.4	1,163.4	867.5	8.00	7.84	1.94
8,000.0	68.39	175.91	7,705.9	-801.2	1,171.1	957.5	8.00	7.86	1.66
8,100.0	76.27	177.39	7,736.2	-896.3	1,176.6	1,052.4	8.00	7.87	1.48
8,200.0	84.15	178.78	7,753.2	-994.7	1,179.9	1,150.3	8.00	7.88	1.39
8,275.7	90.12	179.80	7,757.0	-1,070.2	1,180.8	1,225.3	8.00	7.88	1.35
7"									
8,276.7	90.12	179.81	7,757.0	-1,071.3	1,180.8	1,226.3	1.01	-0.44	0.91
8,300.0	90.12	179.81	7,757.0	-1,094.5	1,180.9	1,249.3	0.00	0.00	0.00
8,400.0	90.12	179.81	7,756.7	-1,194.5	1,181.2	1,348.4	0.00	0.00	0.00
8,500.0	90.12	179.81	7,756.5	-1,294.5	1,181.6	1,447.5	0.00	0.00	0.00
8,600.0	90.12	179.81	7,756.3	-1,394.5	1,181.9	1,546.5	0.00	0.00	0.00
8,700.0	90.12	179.81	7,756.1	-1,494.5	1,182.2	1,645.6	0.00	0.00	0.00
8,800.0	90.12	179.81	7,755.9	-1,594.5	1,182.6	1,744.6	0.00	0.00	0.00
8,900.0	90.12	179.81	7,755.7	-1,694.5	1,182.9	1,843.7	0.00	0.00	0.00
9,000.0	90.12	179.81	7,755.5	-1,794.5	1,183.2	1,942.7	0.00	0.00	0.00
9,100.0	90.12	179.81	7,755.3	-1,894.5	1,183.6	2,041.8	0.00	0.00	0.00
9,200.0	90.12	179.81	7,755.1	-1,994.5	1,183.9	2,140.9	0.00	0.00	0.00
9,300.0	90.12	179.81	7,754.9	-2,094.5	1,184.2	2,239.9	0.00	0.00	0.00
9,400.0	90.12	179.81	7,754.7	-2,194.5	1,184.6	2,339.0	0.00	0.00	0.00
9,500.0	90.12	179.81	7,754.5	-2,294.5	1,184.9	2,438.0	0.00	0.00	0.00
9,600.0	90.12	179.81	7,754.3	-2,394.5	1,185.2	2,537.1	0.00	0.00	0.00
9,700.0	90.12	179.81	7,754.1	-2,494.5	1,185.6	2,636.1	0.00	0.00	0.00
9,800.0	90.12	179.81	7,753.9	-2,594.5	1,185.9	2,735.2	0.00	0.00	0.00
9,900.0	90.12	179.81	7,753.7	-2,694.5	1,186.2	2,834.3	0.00	0.00	0.00
10,000.0	90.12	179.81	7,753.5	-2,794.5	1,186.6	2,933.3	0.00	0.00	0.00

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Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey N-14-23HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-5-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,100.0	90.12	179.81	7,753.3	-2,894.5	1,186.9	3,032.4	0.00	0.00	0.00
10,200.0	90.12	179.81	7,753.1	-2,994.5	1,187.2	3,131.4	0.00	0.00	0.00
10,300.0	90.12	179.81	7,752.9	-3,094.5	1,187.6	3,230.5	0.00	0.00	0.00
10,400.0	90.12	179.81	7,752.7	-3,194.5	1,187.9	3,329.5	0.00	0.00	0.00
10,500.0	90.12	179.81	7,752.5	-3,294.5	1,188.2	3,428.6	0.00	0.00	0.00
10,600.0	90.12	179.81	7,752.3	-3,394.5	1,188.6	3,527.7	0.00	0.00	0.00
10,700.0	90.12	179.81	7,752.1	-3,494.5	1,188.9	3,626.7	0.00	0.00	0.00
10,800.0	90.12	179.81	7,751.9	-3,594.5	1,189.2	3,725.8	0.00	0.00	0.00
10,900.0	90.12	179.81	7,751.7	-3,694.5	1,189.6	3,824.8	0.00	0.00	0.00
11,000.0	90.12	179.81	7,751.5	-3,794.5	1,189.9	3,923.9	0.00	0.00	0.00
11,100.0	90.12	179.81	7,751.3	-3,894.5	1,190.2	4,023.0	0.00	0.00	0.00
11,200.0	90.12	179.81	7,751.1	-3,994.5	1,190.6	4,122.0	0.00	0.00	0.00
11,300.0	90.12	179.81	7,750.9	-4,094.5	1,190.9	4,221.1	0.00	0.00	0.00
11,400.0	90.12	179.81	7,750.7	-4,194.5	1,191.2	4,320.1	0.00	0.00	0.00
11,500.0	90.12	179.81	7,750.5	-4,294.5	1,191.6	4,419.2	0.00	0.00	0.00
11,600.0	90.12	179.81	7,750.3	-4,394.5	1,191.9	4,518.2	0.00	0.00	0.00
11,700.0	90.12	179.81	7,750.1	-4,494.5	1,192.2	4,617.3	0.00	0.00	0.00
11,800.0	90.12	179.81	7,749.9	-4,594.5	1,192.6	4,716.4	0.00	0.00	0.00
11,900.0	90.12	179.81	7,749.7	-4,694.5	1,192.9	4,815.4	0.00	0.00	0.00
12,000.0	90.12	179.81	7,749.5	-4,794.5	1,193.2	4,914.5	0.00	0.00	0.00
12,100.0	90.12	179.81	7,749.3	-4,894.5	1,193.5	5,013.5	0.00	0.00	0.00
12,200.0	90.12	179.81	7,749.1	-4,994.5	1,193.9	5,112.6	0.00	0.00	0.00
12,300.0	90.12	179.81	7,748.9	-5,094.5	1,194.2	5,211.6	0.00	0.00	0.00
12,400.0	90.12	179.81	7,748.7	-5,194.5	1,194.5	5,310.7	0.00	0.00	0.00
12,500.0	90.12	179.81	7,748.5	-5,294.5	1,194.9	5,409.8	0.00	0.00	0.00
12,600.0	90.12	179.81	7,748.3	-5,394.5	1,195.2	5,508.8	0.00	0.00	0.00
12,700.0	90.12	179.81	7,748.1	-5,494.5	1,195.5	5,607.9	0.00	0.00	0.00
12,800.0	90.12	179.81	7,747.9	-5,594.5	1,195.9	5,706.9	0.00	0.00	0.00
12,900.0	90.12	179.81	7,747.7	-5,694.5	1,196.2	5,806.0	0.00	0.00	0.00
13,000.0	90.12	179.81	7,747.5	-5,794.5	1,196.5	5,905.0	0.00	0.00	0.00
13,100.0	90.12	179.81	7,747.3	-5,894.5	1,196.9	6,004.1	0.00	0.00	0.00
13,200.0	90.12	179.81	7,747.1	-5,994.5	1,197.2	6,103.2	0.00	0.00	0.00
13,300.0	90.12	179.81	7,746.9	-6,094.5	1,197.5	6,202.2	0.00	0.00	0.00
13,400.0	90.12	179.81	7,746.7	-6,194.5	1,197.9	6,301.3	0.00	0.00	0.00
13,500.0	90.12	179.81	7,746.5	-6,294.5	1,198.2	6,400.3	0.00	0.00	0.00
13,600.0	90.12	179.81	7,746.3	-6,394.5	1,198.5	6,499.4	0.00	0.00	0.00
13,700.0	90.12	179.81	7,746.1	-6,494.5	1,198.9	6,598.5	0.00	0.00	0.00
13,800.0	90.12	179.81	7,745.9	-6,594.5	1,199.2	6,697.5	0.00	0.00	0.00
13,900.0	90.12	179.81	7,745.7	-6,694.5	1,199.5	6,796.6	0.00	0.00	0.00
14,000.0	90.12	179.81	7,745.5	-6,794.5	1,199.9	6,895.6	0.00	0.00	0.00
14,100.0	90.12	179.81	7,745.3	-6,894.5	1,200.2	6,994.7	0.00	0.00	0.00
14,200.0	90.12	179.81	7,745.1	-6,994.5	1,200.5	7,093.7	0.00	0.00	0.00
14,300.0	90.12	179.81	7,744.9	-7,094.5	1,200.9	7,192.8	0.00	0.00	0.00
14,400.0	90.12	179.81	7,744.7	-7,194.5	1,201.2	7,291.9	0.00	0.00	0.00
14,500.0	90.12	179.81	7,744.5	-7,294.5	1,201.5	7,390.9	0.00	0.00	0.00
14,600.0	90.12	179.81	7,744.3	-7,394.5	1,201.9	7,490.0	0.00	0.00	0.00
14,700.0	90.12	179.81	7,744.1	-7,494.5	1,202.2	7,589.0	0.00	0.00	0.00
14,800.0	90.12	179.81	7,743.8	-7,594.5	1,202.5	7,688.1	0.00	0.00	0.00
14,900.0	90.12	179.81	7,743.6	-7,694.5	1,202.9	7,787.1	0.00	0.00	0.00
15,000.0	90.12	179.81	7,743.4	-7,794.5	1,203.2	7,886.2	0.00	0.00	0.00
15,100.0	90.12	179.81	7,743.2	-7,894.5	1,203.5	7,985.3	0.00	0.00	0.00
15,200.0	90.12	179.81	7,743.0	-7,994.5	1,203.9	8,084.3	0.00	0.00	0.00
15,300.0	90.12	179.81	7,742.8	-8,094.5	1,204.2	8,183.4	0.00	0.00	0.00
15,400.0	90.12	179.81	7,742.6	-8,194.5	1,204.5	8,282.4	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey N-14-23HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-5-14)		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
15,500.0	90.12	179.81	7,742.4	-8,294.5	1,204.9	8,381.5	0.00	0.00	0.00	
15,600.0	90.12	179.81	7,742.2	-8,394.5	1,205.2	8,480.5	0.00	0.00	0.00	
15,700.0	90.12	179.81	7,742.0	-8,494.5	1,205.5	8,579.6	0.00	0.00	0.00	
15,717.4	90.12	179.81	7,742.0	-8,511.8	1,205.6	8,596.8	0.00	0.00	0.00	

Targets										
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SHL 603'FSL, 2030'FI	- plan hits target center	0.00	0.00	1.0	0.0	0.0	1,233,709.02	3,149,473.04	39.973681	-104.966663
	- Point									
BHL 2604'FNL, 850'FI	- plan hits target center	0.00	0.00	7,742.0	-8,511.8	1,205.6	1,225,204.86	3,150,729.75	39.950315	-104.962363
	- Point									
LANDING PT. 465'FN	- plan hits target center	0.00	0.00	7,757.0	-1,070.2	1,180.8	1,232,645.94	3,150,660.25	39.970743	-104.962450
	- Point									

Casing Points									
Measured Depth (ft)	Vertical Depth (ft)	Name			Casing Diameter (")	Hole Diameter (")			
8,275.7	7,757.0	7"			7	7-1/2			

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
600.0	600.0	0.0	0.0	KOP - Start Build 2.00	
7,189.7	7,090.9	-354.1	1,064.5	Start DLS 8.00 TFO 71.65	
15,717.4	7,742.0	-8,511.9	1,205.6	TD at 15717.4	

Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey N-14-23HN

Wellbore #1

Plan #2 (11-5-14)

Anticollision Report

07 November, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #2 (11-5-14)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 11/5/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	15,717.0	Plan #2 (11-5-14) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Existing Pad Sec.11-T1S-R68W						
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	2,173.7	2,119.7	86.2	37.3	1.764	CC
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	2,200.0	2,145.6	86.3	36.8	1.744	ES
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	2,300.0	2,244.0	89.0	37.3	1.722	SF
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	3,886.0	3,806.9	170.9	81.4	1.909	CC
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	4,000.0	3,919.1	172.1	80.0	1.868	ES
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	4,100.0	4,017.6	175.1	80.7	1.856	SF
Wright 1 (Exist.) - Wellbore #1 - Wellbore #1	8,465.1	7,735.1	199.5	14.3	1.077	Level 2, CC, ES, SF
Ivey Pad Sec.11-T1S-R68W						
Ivey M-14-23HC - Wellbore #1 - Plan #2 (11-5-14)	600.0	600.0	15.0	12.6	6.084	CC
Ivey M-14-23HC - Wellbore #1 - Plan #2 (11-5-14)	700.0	700.0	15.3	12.4	5.261	ES
Ivey M-14-23HC - Wellbore #1 - Plan #2 (11-5-14)	15,717.4	15,920.8	297.1	84.5	1.397	Level 3, SF
Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	600.0	600.0	30.1	27.6	12.168	CC
Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	15,717.4	15,670.8	330.0	3.5	1.011	Level 2, ES, SF
Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	1,663.4	1,697.2	407.1	397.6	42.711	CC
Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	1,700.0	1,731.4	407.3	397.5	41.493	ES
Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	7,500.0	9,645.0	578.0	508.3	8.284	SF
Ivey O-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	400.0	400.0	14.9	13.4	9.492	CC
Ivey O-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	500.0	499.9	15.2	13.2	7.593	ES
Ivey O-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	15,717.4	15,862.6	342.0	26.1	1.082	Level 2, SF
Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	7,700.0	9,611.6	251.2	190.0	4.109	SF
Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	7,740.8	9,616.5	246.7	187.6	4.174	CC, ES
Ivey P-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	200.0	200.0	30.0	29.3	44.449	CC
Ivey P-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	300.0	299.8	30.3	29.2	27.266	ES
Ivey P-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	15,717.4	15,841.1	660.0	331.9	2.012	SF
North Washington Pad SEC.23-T1S-R68W						
North Washington 1-23 (Exist.) - Wellbore #1 North Was	13,996.0	8,109.1	117.6	-51.3	0.696	Level 1, CC, ES, SF
North Washington 2-23 (Exist.) - North Washington 2-23						Out of range
North Washington 8-23 (Exist.) - Wellbore #1 N Washing	15,095.5	7,959.3	189.5	15.8	1.091	Level 2, CC
North Washington 8-23 (Exist.) - Wellbore #1 N Washing	15,100.0	7,959.3	189.5	15.8	1.091	Level 2, ES, SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design		Existing Pad Sec.11-T1S-R68W - Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1											Offset Site Error:		0.0 ft	
Survey Program: 8707-UNKNOWN														Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
0.0	0.0	0.0	0.0	0.0	0.0	88.16	8.0	248.9	251.4							
100.0	100.0	65.5	65.5	0.1	1.3	88.16	8.0	248.9	249.0	247.6	1.42	175.041				
200.0	200.0	165.5	165.5	0.3	3.3	88.16	8.0	248.9	249.0	245.4	3.65	68.271				
300.0	300.0	265.5	265.5	0.6	5.3	88.16	8.0	248.9	249.0	243.1	5.87	42.405				
400.0	400.0	365.5	365.5	0.8	7.3	88.16	8.0	248.9	249.0	240.9	8.10	30.754				
500.0	500.0	465.5	465.5	1.0	9.3	88.16	8.0	248.9	249.0	238.7	10.32	24.125				
600.0	600.0	565.5	565.5	1.2	11.3	88.16	8.0	248.9	249.0	236.5	12.55	19.847				
700.0	700.0	665.5	665.5	1.4	13.3	-20.40	8.0	248.9	247.4	232.6	14.75	16.776				
800.0	799.8	765.3	765.3	1.6	15.3	-20.86	8.0	248.9	242.5	225.6	16.91	14.336				
900.0	899.5	865.0	865.0	1.9	17.3	-21.68	8.0	248.9	234.3	215.3	19.06	12.294				
1,000.0	998.7	964.2	964.2	2.1	19.3	-22.92	8.0	248.9	223.1	201.9	21.18	10.529				
1,100.0	1,097.5	1,063.0	1,063.0	2.4	21.3	-24.71	8.0	248.9	208.7	185.4	23.28	8.964				
1,200.0	1,195.9	1,161.4	1,161.4	2.7	23.2	-26.92	8.0	248.9	192.7	167.3	25.48	7.564				
1,300.0	1,294.3	1,259.8	1,259.8	3.1	25.2	-29.50	8.0	248.9	177.1	149.4	27.72	6.388				
1,400.0	1,392.7	1,358.2	1,358.2	3.5	27.2	-32.58	8.0	248.9	161.8	131.9	29.98	5.398				
1,500.0	1,491.1	1,456.6	1,456.6	3.8	29.1	-36.27	8.0	248.9	147.2	114.9	32.28	4.558				
1,600.0	1,589.6	1,555.1	1,555.1	4.2	31.1	-40.76	8.0	248.9	133.2	98.6	34.63	3.847				
1,700.0	1,688.0	1,653.5	1,653.5	4.6	33.1	-46.23	8.0	248.9	120.2	83.2	37.03	3.247				
1,800.0	1,786.4	1,751.9	1,751.9	5.0	35.0	-52.92	8.0	248.9	108.6	69.1	39.49	2.751				
1,900.0	1,884.8	1,850.3	1,850.3	5.4	37.0	-61.03	8.0	248.9	98.9	56.8	42.02	2.353				
2,000.0	1,983.2	1,948.7	1,948.7	5.8	39.0	-70.65	8.0	248.9	91.5	46.9	44.57	2.053				
2,100.0	2,081.7	2,047.2	2,047.2	6.2	40.9	-81.53	8.0	248.9	87.1	40.1	47.08	1.851				
2,173.7	2,154.2	2,119.7	2,119.7	6.5	42.4	-90.00	8.0	248.9	86.2	37.3	48.85	1.764 CC				
2,200.0	2,180.1	2,145.6	2,145.6	6.6	42.9	-93.05	8.0	248.9	86.3	36.8	49.47	1.744 ES				
2,300.0	2,278.5	2,244.0	2,244.0	7.0	44.9	-104.33	8.0	248.9	89.0	37.3	51.68	1.722 SF				
2,400.0	2,376.9	2,342.4	2,342.4	7.4	46.8	-114.60	8.0	248.9	95.0	41.3	53.75	1.768				
2,500.0	2,475.3	2,440.8	2,440.8	7.8	48.8	-123.43	8.0	248.9	103.7	48.0	55.73	1.862				
2,600.0	2,573.8	2,539.3	2,539.3	8.2	50.8	-130.77	8.0	248.9	114.6	56.9	57.68	1.986				
2,700.0	2,672.2	2,637.7	2,637.7	8.6	52.8	-136.79	8.0	248.9	126.9	67.3	59.65	2.128				
2,800.0	2,770.6	2,736.1	2,736.1	9.0	54.7	-141.71	8.0	248.9	140.4	78.8	61.64	2.279				
2,900.0	2,869.0	2,834.5	2,834.5	9.4	56.7	-145.76	8.0	248.9	154.8	91.2	63.66	2.432				
3,000.0	2,967.4	2,932.9	2,932.9	9.8	58.7	-149.11	8.0	248.9	169.8	104.1	65.70	2.585				
3,100.0	3,065.9	3,031.4	3,031.4	10.2	60.6	-151.91	8.0	248.9	185.3	117.5	67.77	2.734				
3,200.0	3,164.3	3,129.8	3,129.8	10.6	62.6	-154.28	8.0	248.9	201.1	131.3	69.86	2.879				
3,300.0	3,262.7	3,228.2	3,228.2	11.0	64.6	-156.30	8.0	248.9	217.3	145.3	71.97	3.019				
3,400.0	3,361.1	3,326.6	3,326.6	11.4	66.5	-158.04	8.0	248.9	233.6	159.5	74.09	3.153				
3,500.0	3,459.5	3,425.0	3,425.0	11.8	68.5	-159.56	8.0	248.9	250.2	174.0	76.22	3.282				
3,600.0	3,558.0	3,523.5	3,523.5	12.2	70.5	-160.88	8.0	248.9	266.9	188.5	78.36	3.406				
3,700.0	3,656.4	3,621.9	3,621.9	12.6	72.4	-162.05	8.0	248.9	283.7	203.2	80.51	3.524				
3,800.0	3,754.8	3,720.3	3,720.3	13.0	74.4	-163.09	8.0	248.9	300.6	217.9	82.66	3.637				
3,900.0	3,853.2	3,818.7	3,818.7	13.4	76.4	-164.02	8.0	248.9	317.6	232.8	84.82	3.745				
4,000.0	3,951.6	3,917.1	3,917.1	13.8	78.3	-164.85	8.0	248.9	334.7	247.7	86.98	3.848				
4,100.0	4,050.1	4,015.6	4,015.6	14.2	80.3	-165.61	8.0	248.9	351.8	262.7	89.15	3.947				
4,200.0	4,148.5	4,114.0	4,114.0	14.7	82.3	-166.29	8.0	248.9	369.0	277.7	91.31	4.041				
4,300.0	4,246.9	4,212.4	4,212.4	15.1	84.2	-166.91	8.0	248.9	386.3	292.8	93.49	4.132				
4,400.0	4,345.3	4,310.8	4,310.8	15.5	86.2	-167.48	8.0	248.9	403.5	307.9	95.66	4.218				
4,500.0	4,443.7	4,409.2	4,409.2	15.9	88.2	-168.00	8.0	248.9	420.9	323.0	97.84	4.302				
4,600.0	4,542.2	4,507.7	4,507.7	16.3	90.2	-168.48	8.0	248.9	438.2	338.2	100.01	4.381				
4,700.0	4,640.6	4,606.1	4,606.1	16.7	92.1	-168.93	8.0	248.9	455.6	353.4	102.19	4.458				
4,800.0	4,739.0	4,704.5	4,704.5	17.1	94.1	-169.34	8.0	248.9	473.0	368.6	104.37	4.532				
4,900.0	4,837.4	4,802.9	4,802.9	17.5	96.1	-169.72	8.0	248.9	490.4	383.8	106.56	4.602				
5,000.0	4,935.8	4,901.3	4,901.3	17.9	98.0	-170.08	8.0	248.9	507.8	399.1	108.74	4.670				

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8707-UNKNOWN												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,034.3	4,999.8	4,999.8	18.3	100.0	-170.41	8.0	248.9	525.3	414.4	110.92	4.736	
5,200.0	5,132.7	5,098.2	5,098.2	18.7	102.0	-170.72	8.0	248.9	542.8	429.7	113.11	4.799	
5,300.0	5,231.1	5,196.6	5,196.6	19.1	103.9	-171.01	8.0	248.9	560.3	445.0	115.29	4.860	
5,400.0	5,329.5	5,295.0	5,295.0	19.5	105.9	-171.29	8.0	248.9	577.8	460.3	117.48	4.918	
5,500.0	5,427.9	5,393.4	5,393.4	20.0	107.9	-171.55	8.0	248.9	595.3	475.6	119.66	4.975	
5,600.0	5,526.4	5,491.9	5,491.9	20.4	109.8	-171.79	8.0	248.9	612.8	491.0	121.85	5.029	
5,700.0	5,624.8	5,590.3	5,590.3	20.8	111.8	-172.02	8.0	248.9	630.4	506.3	124.04	5.082	
5,800.0	5,723.2	5,688.7	5,688.7	21.2	113.8	-172.24	8.0	248.9	647.9	521.7	126.23	5.133	
5,900.0	5,821.6	5,787.1	5,787.1	21.6	115.7	-172.44	8.0	248.9	665.5	537.0	128.41	5.182	
6,000.0	5,920.0	5,885.5	5,885.5	22.0	117.7	-172.64	8.0	248.9	683.0	552.4	130.60	5.230	
6,100.0	6,018.5	5,984.0	5,984.0	22.4	119.7	-172.82	8.0	248.9	700.6	567.8	132.79	5.276	
6,200.0	6,116.9	6,082.4	6,082.4	22.8	121.6	-173.00	8.0	248.9	718.2	583.2	134.98	5.320	
6,300.0	6,215.3	6,180.8	6,180.8	23.2	123.6	-173.17	8.0	248.9	735.7	598.6	137.17	5.364	
6,400.0	6,313.7	6,279.2	6,279.2	23.6	125.6	-173.33	8.0	248.9	753.3	614.0	139.36	5.406	
6,500.0	6,412.1	6,377.6	6,377.6	24.0	127.6	-173.48	8.0	248.9	770.9	629.4	141.55	5.446	
6,600.0	6,510.6	6,476.1	6,476.1	24.4	129.5	-173.63	8.0	248.9	788.5	644.8	143.74	5.486	
6,700.0	6,609.0	6,574.5	6,574.5	24.9	131.5	-173.77	8.0	248.9	806.1	660.2	145.93	5.524	
6,800.0	6,707.4	6,672.9	6,672.9	25.3	133.5	-173.90	8.0	248.9	823.7	675.6	148.12	5.561	
6,900.0	6,805.8	6,771.3	6,771.3	25.7	135.4	-174.03	8.0	248.9	841.4	691.0	150.31	5.597	
7,000.0	6,904.2	6,869.7	6,869.7	26.1	137.4	-174.15	8.0	248.9	859.0	706.5	152.51	5.632	
7,100.0	7,002.6	6,968.1	6,968.1	26.5	139.4	-174.27	8.0	248.9	876.6	721.9	154.70	5.667	
7,200.0	7,101.1	7,066.6	7,066.6	26.9	141.3	-178.76	8.0	248.9	894.2	737.5	156.73	5.706	
7,300.0	7,198.6	7,164.1	7,164.1	27.3	143.3	151.84	8.0	248.9	915.2	758.0	157.22	5.821	
7,400.0	7,293.2	7,258.7	7,258.7	27.8	145.2	138.18	8.0	248.9	941.5	784.1	157.40	5.982	
7,500.0	7,383.2	7,348.7	7,348.7	28.3	147.0	130.94	8.0	248.9	973.4	816.1	157.39	6.185	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 8250-UNKNOWN													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	90.74	-7.3	563.3	564.3					
100.0	100.0	67.5	67.5	0.1	1.4	90.74	-7.3	563.3	563.4	561.9	1.46	385.204		
200.0	200.0	167.5	167.5	0.3	3.4	90.74	-7.3	563.3	563.4	559.7	3.69	152.791		
300.0	300.0	267.5	267.5	0.6	5.4	90.74	-7.3	563.3	563.4	557.5	5.91	95.295		
400.0	400.0	367.5	367.5	0.8	7.4	90.74	-7.3	563.3	563.4	555.3	8.14	69.239		
500.0	500.0	467.5	467.5	1.0	9.4	90.74	-7.3	563.3	563.4	553.0	10.36	54.373		
600.0	600.0	567.5	567.5	1.2	11.4	90.74	-7.3	563.3	563.4	550.8	12.59	44.762		
700.0	700.0	667.5	667.5	1.4	13.3	-17.72	-7.3	563.3	561.7	546.9	14.79	37.992		
800.0	799.8	767.3	767.3	1.6	15.3	-17.92	-7.3	563.3	556.7	539.8	16.95	32.842		
900.0	899.5	867.0	867.0	1.9	17.3	-18.25	-7.3	563.3	548.5	529.4	19.10	28.720		
1,000.0	998.7	966.2	966.2	2.1	19.3	-18.73	-7.3	563.3	536.9	515.7	21.21	25.312		
1,100.0	1,097.5	1,065.0	1,065.0	2.4	21.3	-19.38	-7.3	563.3	522.1	498.8	23.29	22.415		
1,200.0	1,195.9	1,163.4	1,163.4	2.7	23.3	-20.06	-7.3	563.3	505.4	479.9	25.47	19.846		
1,300.0	1,294.3	1,261.8	1,261.8	3.1	25.2	-20.77	-7.3	563.3	488.8	461.1	27.66	17.668		
1,400.0	1,392.7	1,360.2	1,360.2	3.5	27.2	-21.53	-7.3	563.3	472.2	442.4	29.87	15.809		
1,500.0	1,491.1	1,458.6	1,458.6	3.8	29.2	-22.34	-7.3	563.3	455.8	423.7	32.09	14.204		
1,600.0	1,589.6	1,557.1	1,557.1	4.2	31.1	-23.22	-7.3	563.3	439.4	405.1	34.31	12.806		
1,700.0	1,688.0	1,655.5	1,655.5	4.6	33.1	-24.16	-7.3	563.3	423.1	386.6	36.55	11.578		
1,800.0	1,786.4	1,753.9	1,753.9	5.0	35.1	-25.18	-7.3	563.3	407.0	368.2	38.79	10.493		
1,900.0	1,884.8	1,852.3	1,852.3	5.4	37.0	-26.28	-7.3	563.3	391.0	350.0	41.04	9.527		
2,000.0	1,983.2	1,950.7	1,950.7	5.8	39.0	-27.47	-7.3	563.3	375.2	331.9	43.31	8.663		
2,100.0	2,081.7	2,049.2	2,049.2	6.2	41.0	-28.77	-7.3	563.3	359.5	313.9	45.58	7.886		
2,200.0	2,180.1	2,147.6	2,147.6	6.6	43.0	-30.18	-7.3	563.3	344.0	296.1	47.88	7.186		
2,300.0	2,278.5	2,246.0	2,246.0	7.0	44.9	-31.73	-7.3	563.3	328.8	278.6	50.18	6.551		
2,400.0	2,376.9	2,344.4	2,344.4	7.4	46.9	-33.42	-7.3	563.3	313.8	261.3	52.51	5.976		
2,500.0	2,475.3	2,442.8	2,442.8	7.8	48.9	-35.28	-7.3	563.3	299.1	244.2	54.85	5.452		
2,600.0	2,573.8	2,541.3	2,541.3	8.2	50.8	-37.33	-7.3	563.3	284.7	227.5	57.22	4.976		
2,700.0	2,672.2	2,639.7	2,639.7	8.6	52.8	-39.58	-7.3	563.3	270.8	211.1	59.62	4.542		
2,800.0	2,770.6	2,738.1	2,738.1	9.0	54.8	-42.08	-7.3	563.3	257.3	195.2	62.04	4.147		
2,900.0	2,869.0	2,836.5	2,836.5	9.4	56.7	-44.84	-7.3	563.3	244.3	179.8	64.49	3.788		
3,000.0	2,967.4	2,934.9	2,934.9	9.8	58.7	-47.90	-7.3	563.3	232.0	165.0	66.98	3.464		
3,100.0	3,065.9	3,033.4	3,033.4	10.2	60.7	-51.29	-7.3	563.3	220.4	150.9	69.51	3.171		
3,200.0	3,164.3	3,131.8	3,131.8	10.6	62.6	-55.02	-7.3	563.3	209.7	137.6	72.06	2.910		
3,300.0	3,262.7	3,230.2	3,230.2	11.0	64.6	-59.14	-7.3	563.3	199.9	125.3	74.64	2.679		
3,400.0	3,361.1	3,328.6	3,328.6	11.4	66.6	-63.64	-7.3	563.3	191.3	114.1	77.24	2.477		
3,500.0	3,459.5	3,427.0	3,427.0	11.8	68.5	-68.51	-7.3	563.3	184.1	104.2	79.85	2.305		
3,600.0	3,558.0	3,525.5	3,525.5	12.2	70.5	-73.74	-7.3	563.3	178.2	95.8	82.43	2.162		
3,700.0	3,656.4	3,623.9	3,623.9	12.6	72.5	-79.26	-7.3	563.3	174.0	89.1	84.97	2.048		
3,800.0	3,754.8	3,722.3	3,722.3	13.0	74.4	-84.99	-7.3	563.3	171.6	84.1	87.45	1.962		
3,886.0	3,839.4	3,806.9	3,806.9	13.4	76.1	-90.00	-7.3	563.3	170.9	81.4	89.51	1.909 CC		
3,900.0	3,853.2	3,820.7	3,820.7	13.4	76.4	-90.82	-7.3	563.3	170.9	81.1	89.84	1.902		
4,000.0	3,951.6	3,919.1	3,919.1	13.8	78.4	-96.63	-7.3	563.3	172.1	80.0	92.13	1.868 ES		
4,100.0	4,050.1	4,017.6	4,017.6	14.2	80.4	-102.31	-7.3	563.3	175.1	80.7	94.32	1.856 SF		
4,200.0	4,148.5	4,116.0	4,116.0	14.7	82.3	-107.76	-7.3	563.3	179.7	83.3	96.42	1.864		
4,300.0	4,246.9	4,214.4	4,214.4	15.1	84.3	-112.89	-7.3	563.3	186.0	87.5	98.44	1.889		
4,400.0	4,345.3	4,312.8	4,312.8	15.5	86.3	-117.66	-7.3	563.3	193.6	93.2	100.41	1.928		
4,500.0	4,443.7	4,411.2	4,411.2	15.9	88.2	-122.05	-7.3	563.3	202.6	100.2	102.34	1.979		
4,600.0	4,542.2	4,509.7	4,509.7	16.3	90.2	-126.06	-7.3	563.3	212.6	108.3	104.25	2.039		
4,700.0	4,640.6	4,608.1	4,608.1	16.7	92.2	-129.70	-7.3	563.3	223.6	117.4	106.16	2.106		
4,800.0	4,739.0	4,706.5	4,706.5	17.1	94.1	-132.99	-7.3	563.3	235.4	127.3	108.07	2.178		
4,900.0	4,837.4	4,804.9	4,804.9	17.5	96.1	-135.96	-7.3	563.3	247.9	137.9	109.99	2.254		
5,000.0	4,935.8	4,903.3	4,903.3	17.9	98.1	-138.64	-7.3	563.3	261.0	149.1	111.93	2.332		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8250-UNKNOWN												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,034.3	5,001.8	5,001.8	18.3	100.0	-141.07	-7.3	563.3	274.6	160.7	113.89	2.411	
5,200.0	5,132.7	5,100.2	5,100.2	18.7	102.0	-143.27	-7.3	563.3	288.7	172.8	115.87	2.492	
5,300.0	5,231.1	5,198.6	5,198.6	19.1	104.0	-145.26	-7.3	563.3	303.2	185.3	117.86	2.572	
5,400.0	5,329.5	5,297.0	5,297.0	19.5	105.9	-147.07	-7.3	563.3	317.9	198.1	119.87	2.652	
5,500.0	5,427.9	5,395.4	5,395.4	20.0	107.9	-148.72	-7.3	563.3	333.0	211.1	121.90	2.732	
5,600.0	5,526.4	5,493.9	5,493.9	20.4	109.9	-150.23	-7.3	563.3	348.3	224.4	123.94	2.810	
5,700.0	5,624.8	5,592.3	5,592.3	20.8	111.8	-151.61	-7.3	563.3	363.9	237.9	125.99	2.888	
5,800.0	5,723.2	5,690.7	5,690.7	21.2	113.8	-152.87	-7.3	563.3	379.6	251.5	128.06	2.964	
5,900.0	5,821.6	5,789.1	5,789.1	21.6	115.8	-154.04	-7.3	563.3	395.5	265.3	130.14	3.039	
6,000.0	5,920.0	5,887.5	5,887.5	22.0	117.8	-155.11	-7.3	563.3	411.5	279.3	132.23	3.112	
6,100.0	6,018.5	5,986.0	5,986.0	22.4	119.7	-156.11	-7.3	563.3	427.7	293.4	134.32	3.184	
6,200.0	6,116.9	6,084.4	6,084.4	22.8	121.7	-157.03	-7.3	563.3	444.0	307.5	136.43	3.254	
6,300.0	6,215.3	6,182.8	6,182.8	23.2	123.7	-157.89	-7.3	563.3	460.4	321.8	138.54	3.323	
6,400.0	6,313.7	6,281.2	6,281.2	23.6	125.6	-158.69	-7.3	563.3	476.9	336.2	140.66	3.390	
6,500.0	6,412.1	6,379.6	6,379.6	24.0	127.6	-159.44	-7.3	563.3	493.4	350.6	142.78	3.456	
6,600.0	6,510.6	6,478.1	6,478.1	24.4	129.6	-160.13	-7.3	563.3	510.1	365.2	144.91	3.520	
6,700.0	6,609.0	6,576.5	6,576.5	24.9	131.5	-160.79	-7.3	563.3	526.8	379.7	147.05	3.583	
6,800.0	6,707.4	6,674.9	6,674.9	25.3	133.5	-161.40	-7.3	563.3	543.6	394.4	149.18	3.644	
6,900.0	6,805.8	6,773.3	6,773.3	25.7	135.5	-161.98	-7.3	563.3	560.4	409.1	151.33	3.703	
7,000.0	6,904.2	6,871.7	6,871.7	26.1	137.4	-162.52	-7.3	563.3	577.3	423.8	153.47	3.762	
7,100.0	7,002.6	6,970.1	6,970.1	26.5	139.4	-163.03	-7.3	563.3	594.2	438.6	155.62	3.818	
7,200.0	7,101.1	7,068.6	7,068.6	26.9	141.4	-167.87	-7.3	563.3	611.3	453.7	157.56	3.880	
7,300.0	7,198.6	7,166.1	7,166.1	27.3	143.3	-162.63	-7.3	563.3	632.9	475.8	157.08	4.029	
7,400.0	7,293.2	7,260.7	7,260.7	27.8	145.2	-149.00	-7.3	563.3	662.1	506.4	155.77	4.251	
7,500.0	7,383.2	7,350.7	7,350.7	28.3	147.0	-141.84	-7.3	563.3	699.0	545.3	153.74	4.547	
7,600.0	7,466.6	7,434.1	7,434.1	28.9	148.7	-137.31	-7.3	563.3	743.7	592.3	151.35	4.914	
7,700.0	7,542.0	7,509.5	7,509.5	29.6	150.2	-133.69	-7.3	563.3	796.4	647.0	149.35	5.333	
7,800.0	7,607.8	7,575.3	7,575.3	30.3	151.5	-129.98	-7.3	563.3	857.0	708.1	148.95	5.754	
7,900.0	7,662.8	7,630.3	7,630.3	31.1	152.6	-125.40	-7.3	563.3	925.1	773.4	151.71	6.098	
8,000.0	7,705.9	7,673.4	7,673.4	32.0	153.5	-119.23	-7.3	563.3	999.8	841.2	158.69	6.301	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Wright 1 (Exist.) - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 8105-UNKNOWN													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
6,900.0	6,805.8	6,784.3	6,784.3	25.7	135.7	50.42	-1,258.9	1,381.0	990.8	833.6	157.13	6.305		
7,000.0	6,904.2	6,882.7	6,882.7	26.1	137.7	51.21	-1,258.9	1,381.0	979.5	819.9	159.58	6.138		
7,100.0	7,002.6	6,981.1	6,981.1	26.5	139.6	52.02	-1,258.9	1,381.0	968.4	806.3	162.04	5.976		
7,200.0	7,101.1	7,079.6	7,079.6	26.9	141.6	48.58	-1,258.9	1,381.0	957.4	793.1	164.27	5.828		
7,300.0	7,198.6	7,177.1	7,177.1	27.3	143.5	20.57	-1,258.9	1,381.0	938.8	776.0	162.80	5.767		
7,400.0	7,293.2	7,271.7	7,271.7	27.8	145.4	7.38	-1,258.9	1,381.0	907.5	749.3	158.15	5.738		
7,500.0	7,383.2	7,361.7	7,361.7	28.3	147.2	-0.27	-1,258.9	1,381.0	864.0	713.7	150.35	5.746		
7,600.0	7,466.6	7,445.1	7,445.1	28.9	148.9	-6.17	-1,258.9	1,381.0	809.2	669.3	139.81	5.787		
7,700.0	7,542.0	7,520.5	7,520.5	29.6	150.4	-12.12	-1,258.9	1,381.0	744.0	616.3	127.73	5.825		
7,800.0	7,607.8	7,586.3	7,586.3	30.3	151.7	-19.54	-1,258.9	1,381.0	670.1	552.6	117.47	5.704		
7,900.0	7,662.8	7,641.3	7,641.3	31.1	152.8	-30.11	-1,258.9	1,381.0	589.2	472.1	117.04	5.034		
8,000.0	7,705.9	7,684.4	7,684.4	32.0	153.7	-45.50	-1,258.9	1,381.0	503.5	367.8	135.70	3.711		
8,100.0	7,736.2	7,714.7	7,714.7	33.0	154.3	-64.82	-1,258.9	1,381.0	416.3	251.8	164.46	2.531		
8,200.0	7,753.2	7,731.7	7,731.7	34.0	154.6	-82.03	-1,258.9	1,381.0	332.1	151.8	180.21	1.843		
8,300.0	7,757.0	7,735.5	7,735.5	35.1	154.7	-90.10	-1,258.9	1,381.0	258.9	76.1	182.86	1.416 Level 3		
8,400.0	7,756.7	7,735.2	7,735.2	36.2	154.7	-90.04	-1,258.9	1,381.0	209.8	25.6	184.29	1.139 Level 2		
8,465.1	7,756.6	7,735.1	7,735.1	37.0	154.7	-90.00	-1,258.9	1,381.0	199.5	14.3	185.25	1.077 Level 2, CC, ES, SF		
8,500.0	7,756.5	7,735.0	7,735.0	37.4	154.7	-89.98	-1,258.9	1,381.0	202.5	16.8	185.77	1.090 Level 2		
8,600.0	7,756.3	7,734.8	7,734.8	38.7	154.7	-89.92	-1,258.9	1,381.0	240.9	53.6	187.29	1.286 Level 3		
8,700.0	7,756.1	7,734.6	7,734.6	40.0	154.7	-89.86	-1,258.9	1,381.0	308.2	119.4	188.85	1.632		
8,800.0	7,755.9	7,734.4	7,734.4	41.4	154.7	-89.81	-1,258.9	1,381.0	389.9	199.4	190.45	2.047		
8,900.0	7,755.7	7,734.2	7,734.2	42.8	154.7	-89.75	-1,258.9	1,381.0	478.5	286.4	192.08	2.491		
9,000.0	7,755.5	7,734.0	7,734.0	44.3	154.7	-89.69	-1,258.9	1,381.0	570.9	377.2	193.73	2.947		
9,100.0	7,755.3	7,733.8	7,733.8	45.7	154.7	-89.63	-1,258.9	1,381.0	665.6	470.1	195.41	3.406		
9,200.0	7,755.1	7,733.6	7,733.6	47.3	154.7	-89.57	-1,258.9	1,381.0	761.5	564.4	197.10	3.864		
9,300.0	7,754.9	7,733.4	7,733.4	48.8	154.7	-89.52	-1,258.9	1,381.0	858.4	659.6	198.82	4.318		
9,400.0	7,754.7	7,733.2	7,733.2	50.4	154.7	-89.46	-1,258.9	1,381.0	956.0	755.4	200.55	4.767		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HC - Wellbore #1 - Plan #2 (11-5-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-156.97	-13.8	-5.9	15.0	15.0	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	-156.97	-13.8	-5.9	15.0	14.8	0.22	66.923		
200.0	200.0	200.0	200.0	0.3	0.3	-156.97	-13.8	-5.9	15.0	14.4	0.67	22.308		
300.0	300.0	300.0	300.0	0.6	0.6	-156.97	-13.8	-5.9	15.0	13.9	1.12	13.385		
400.0	400.0	400.0	400.0	0.8	0.8	-156.97	-13.8	-5.9	15.0	13.5	1.57	9.560		
500.0	500.0	500.0	500.0	1.0	1.0	-156.97	-13.8	-5.9	15.0	13.0	2.02	7.436		
600.0	600.0	600.0	600.0	1.2	1.2	-156.97	-13.8	-5.9	15.0	12.6	2.47	6.084 CC		
700.0	700.0	700.0	700.0	1.4	1.5	101.16	-13.8	-5.9	15.3	12.4	2.91	5.261 ES		
800.0	799.8	799.8	799.8	1.6	1.7	118.60	-13.8	-5.9	17.1	13.8	3.33	5.130		
900.0	899.5	900.0	900.0	1.9	1.9	135.16	-14.4	-4.2	21.4	17.6	3.75	5.703		
1,000.0	998.7	1,000.4	1,000.2	2.1	2.1	145.42	-16.3	0.7	26.9	22.7	4.16	6.467		
1,100.0	1,097.5	1,101.0	1,100.5	2.4	2.3	151.86	-19.3	8.9	33.0	28.4	4.58	7.204		
1,200.0	1,195.9	1,202.0	1,200.7	2.7	2.6	155.26	-23.6	20.5	38.1	33.1	5.03	7.579		
1,300.0	1,294.3	1,302.4	1,300.0	3.1	2.8	156.17	-28.9	34.8	40.7	35.2	5.51	7.394		
1,400.0	1,392.7	1,402.4	1,398.7	3.5	3.1	156.79	-34.2	49.2	43.1	37.1	6.00	7.177		
1,500.0	1,491.1	1,502.4	1,497.5	3.8	3.4	157.35	-39.6	63.7	45.4	38.9	6.50	6.984		
1,600.0	1,589.6	1,602.4	1,596.3	4.2	3.8	157.86	-45.0	78.1	47.8	40.7	7.01	6.813		
1,700.0	1,688.0	1,702.3	1,695.1	4.6	4.1	158.31	-50.3	92.6	50.1	42.6	7.52	6.661		
1,800.0	1,786.4	1,802.3	1,793.8	5.0	4.4	158.73	-55.7	107.0	52.5	44.4	8.04	6.526		
1,900.0	1,884.8	1,902.3	1,892.6	5.4	4.8	159.11	-61.0	121.5	54.8	46.3	8.56	6.406		
2,000.0	1,983.2	2,002.2	1,991.4	5.8	5.1	159.46	-66.4	135.9	57.2	48.1	9.08	6.298		
2,100.0	2,081.7	2,102.2	2,090.2	6.2	5.5	159.78	-71.7	150.4	59.6	50.0	9.60	6.201		
2,200.0	2,180.1	2,202.2	2,188.9	6.6	5.8	160.08	-77.1	164.9	61.9	51.8	10.13	6.113		
2,300.0	2,278.5	2,302.2	2,287.7	7.0	6.2	160.35	-82.4	179.3	64.3	53.6	10.65	6.034		
2,400.0	2,376.9	2,402.1	2,386.5	7.4	6.5	160.61	-87.8	193.8	66.7	55.5	11.18	5.962		
2,500.0	2,475.3	2,502.1	2,485.3	7.8	6.9	160.85	-93.1	208.2	69.0	57.3	11.71	5.896		
2,600.0	2,573.8	2,602.1	2,584.1	8.2	7.3	161.07	-98.5	222.7	71.4	59.2	12.24	5.835		
2,700.0	2,672.2	2,702.0	2,682.8	8.6	7.6	161.27	-103.8	237.1	73.8	61.0	12.76	5.779		
2,800.0	2,770.6	2,802.0	2,781.6	9.0	8.0	161.47	-109.2	251.6	76.1	62.9	13.29	5.728		
2,900.0	2,869.0	2,902.0	2,880.4	9.4	8.3	161.65	-114.5	266.0	78.5	64.7	13.82	5.681		
3,000.0	2,967.4	3,002.0	2,979.2	9.8	8.7	161.82	-119.9	280.5	80.9	66.5	14.35	5.637		
3,100.0	3,065.9	3,101.9	3,077.9	10.2	9.1	161.99	-125.2	294.9	83.3	68.4	14.88	5.596		
3,200.0	3,164.3	3,201.9	3,176.7	10.6	9.4	162.14	-130.6	309.4	85.6	70.2	15.41	5.558		
3,300.0	3,262.7	3,301.9	3,275.5	11.0	9.8	162.29	-135.9	323.9	88.0	72.1	15.94	5.522		
3,400.0	3,361.1	3,401.8	3,374.3	11.4	10.2	162.42	-141.3	338.3	90.4	73.9	16.47	5.489		
3,500.0	3,459.5	3,501.8	3,473.0	11.8	10.5	162.55	-146.7	352.8	92.8	75.8	17.00	5.458		
3,600.0	3,558.0	3,601.8	3,571.8	12.2	10.9	162.68	-152.0	367.2	95.2	77.6	17.53	5.428		
3,700.0	3,656.4	3,701.8	3,670.6	12.6	11.3	162.80	-157.4	381.7	97.5	79.5	18.06	5.401		
3,800.0	3,754.8	3,801.7	3,769.4	13.0	11.6	162.91	-162.7	396.1	99.9	81.3	18.59	5.375		
3,900.0	3,853.2	3,901.7	3,868.1	13.4	12.0	163.01	-168.1	410.6	102.3	83.2	19.12	5.350		
4,000.0	3,951.6	4,001.7	3,966.9	13.8	12.4	163.12	-173.4	425.0	104.7	85.0	19.65	5.327		
4,100.0	4,050.1	4,101.6	4,065.7	14.2	12.7	163.21	-178.8	439.5	107.0	86.9	20.18	5.305		
4,200.0	4,148.5	4,201.6	4,164.5	14.7	13.1	163.31	-184.1	453.9	109.4	88.7	20.71	5.284		
4,300.0	4,246.9	4,301.6	4,263.2	15.1	13.5	163.40	-189.5	468.4	111.8	90.6	21.24	5.264		
4,400.0	4,345.3	4,401.6	4,362.0	15.5	13.9	163.48	-194.8	482.9	114.2	92.4	21.77	5.245		
4,500.0	4,443.7	4,501.5	4,460.8	15.9	14.2	163.57	-200.2	497.3	116.6	94.3	22.30	5.227		
4,600.0	4,542.2	4,601.5	4,559.6	16.3	14.6	163.64	-205.5	511.8	119.0	96.1	22.83	5.210		
4,700.0	4,640.6	4,701.5	4,658.4	16.7	15.0	163.72	-210.9	526.2	121.3	98.0	23.36	5.193		
4,800.0	4,739.0	4,801.4	4,757.1	17.1	15.3	163.79	-216.2	540.7	123.7	99.8	23.89	5.178		
4,900.0	4,837.4	4,901.4	4,855.9	17.5	15.7	163.86	-221.6	555.1	126.1	101.7	24.42	5.163		
5,000.0	4,935.8	5,001.4	4,954.7	17.9	16.1	163.93	-226.9	569.6	128.5	103.5	24.95	5.148		
5,100.0	5,034.3	5,101.4	5,053.5	18.3	16.4	164.00	-232.3	584.0	130.9	105.4	25.49	5.135		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HC - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,200.0	5,132.7	5,201.3	5,152.2	18.7	16.8	164.06	-237.6	598.5	133.2	107.2	26.02	5.122	
5,300.0	5,231.1	5,301.3	5,251.0	19.1	17.2	164.12	-243.0	612.9	135.6	109.1	26.55	5.109	
5,400.0	5,329.5	5,401.3	5,349.8	19.5	17.6	164.18	-248.3	627.4	138.0	110.9	27.08	5.097	
5,500.0	5,427.9	5,501.2	5,448.6	20.0	17.9	164.23	-253.7	641.9	140.4	112.8	27.61	5.085	
5,600.0	5,526.4	5,601.2	5,547.3	20.4	18.3	164.29	-259.1	656.3	142.8	114.6	28.14	5.074	
5,700.0	5,624.8	5,701.2	5,646.1	20.8	18.7	164.34	-264.4	670.8	145.2	116.5	28.67	5.063	
5,800.0	5,723.2	5,801.2	5,744.9	21.2	19.0	164.39	-269.8	685.2	147.5	118.3	29.20	5.053	
5,900.0	5,821.6	5,901.1	5,843.7	21.6	19.4	164.44	-275.1	699.7	149.9	120.2	29.73	5.043	
6,000.0	5,920.0	6,001.1	5,942.4	22.0	19.8	164.49	-280.5	714.1	152.3	122.0	30.26	5.033	
6,100.0	6,018.5	6,101.1	6,041.2	22.4	20.1	164.54	-285.8	728.6	154.7	123.9	30.79	5.024	
6,200.0	6,116.9	6,201.0	6,140.0	22.8	20.5	164.58	-291.2	743.0	157.1	125.8	31.32	5.015	
6,300.0	6,215.3	6,301.0	6,238.8	23.2	20.9	164.62	-296.5	757.5	159.5	127.6	31.85	5.006	
6,400.0	6,313.7	6,401.0	6,337.5	23.6	21.3	164.67	-301.9	771.9	161.8	129.5	32.38	4.998	
6,500.0	6,412.1	6,501.0	6,436.3	24.0	21.6	164.71	-307.2	786.4	164.2	131.3	32.91	4.990	
6,600.0	6,510.6	6,600.9	6,535.1	24.4	22.0	164.75	-312.6	800.9	166.6	133.2	33.44	4.982	
6,700.0	6,609.0	6,700.9	6,633.9	24.9	22.4	164.79	-317.9	815.3	169.0	135.0	33.98	4.974	
6,800.0	6,707.4	6,800.9	6,732.6	25.3	22.7	164.82	-323.3	829.8	171.4	136.9	34.51	4.967	
6,900.0	6,805.8	6,900.8	6,831.4	25.7	23.1	164.86	-328.6	844.2	173.8	138.7	35.04	4.959	
7,000.0	6,904.2	7,000.8	6,930.2	26.1	23.5	164.90	-334.0	858.7	176.1	140.6	35.57	4.952	
7,100.0	7,002.6	7,100.8	7,029.0	26.5	23.9	164.93	-339.3	873.1	178.5	142.4	36.10	4.946	
7,200.0	7,101.1	7,200.8	7,127.8	26.9	24.2	160.73	-344.7	887.6	180.9	144.3	36.63	4.940	
7,300.0	7,198.6	7,300.3	7,226.1	27.3	24.6	134.90	-350.0	902.0	184.0	147.2	36.74	5.008	
7,400.0	7,293.2	7,397.8	7,322.5	27.8	25.0	128.18	-355.3	916.1	189.9	153.5	36.39	5.219	
7,500.0	7,383.2	7,501.8	7,424.4	28.3	25.3	129.11	-368.9	931.0	200.1	164.0	36.11	5.543	
7,600.0	7,466.6	7,610.7	7,527.8	28.9	25.8	131.86	-399.0	946.2	213.2	177.3	35.93	5.935	
7,700.0	7,542.0	7,725.0	7,630.1	29.6	26.4	134.99	-447.2	961.3	227.9	192.3	35.56	6.408	
7,800.0	7,607.8	7,844.8	7,727.9	30.3	27.2	137.91	-514.7	975.8	242.9	207.9	35.01	6.938	
7,900.0	7,662.8	7,970.4	7,816.9	31.1	28.0	140.38	-602.1	989.1	257.0	222.5	34.52	7.445	
8,000.0	7,705.9	8,101.3	7,892.1	32.0	29.1	142.31	-708.4	1,000.4	269.1	234.6	34.52	7.795	
8,100.0	7,736.2	8,236.8	7,948.4	33.0	30.4	143.65	-831.1	1,009.1	278.1	242.7	35.48	7.838	
8,200.0	7,753.2	8,375.4	7,981.4	34.0	31.8	144.40	-965.4	1,014.3	283.5	245.7	37.76	7.506	
8,300.0	7,757.0	8,505.4	7,989.0	35.1	33.2	144.57	-1,095.1	1,015.8	284.8	243.9	40.85	6.972	
8,400.0	7,756.7	8,605.4	7,989.0	36.2	34.4	144.59	-1,195.1	1,016.2	284.9	242.2	42.70	6.674	
8,500.0	7,756.5	8,705.4	7,989.0	37.4	35.7	144.62	-1,295.1	1,016.5	285.1	240.5	44.61	6.392	
8,600.0	7,756.3	8,805.4	7,989.0	38.7	37.0	144.64	-1,395.1	1,016.8	285.3	238.7	46.57	6.125	
8,700.0	7,756.1	8,905.4	7,989.0	40.0	38.4	144.66	-1,495.1	1,017.2	285.4	236.8	48.59	5.874	
8,800.0	7,755.9	9,005.4	7,989.0	41.4	39.8	144.69	-1,595.1	1,017.5	285.6	235.0	50.65	5.639	
8,900.0	7,755.7	9,105.4	7,989.0	42.8	41.3	144.71	-1,695.1	1,017.8	285.8	233.0	52.74	5.418	
9,000.0	7,755.5	9,205.4	7,989.0	44.3	42.8	144.73	-1,795.1	1,018.2	285.9	231.1	54.87	5.211	
9,100.0	7,755.3	9,305.4	7,989.0	45.7	44.3	144.76	-1,895.1	1,018.5	286.1	229.1	57.03	5.017	
9,200.0	7,755.1	9,405.4	7,989.0	47.3	45.9	144.78	-1,995.1	1,018.8	286.3	227.1	59.21	4.835	
9,300.0	7,754.9	9,505.4	7,989.0	48.8	47.4	144.80	-2,095.1	1,019.1	286.4	225.0	61.41	4.664	
9,400.0	7,754.7	9,605.4	7,989.0	50.4	49.0	144.83	-2,195.1	1,019.5	286.6	223.0	63.64	4.504	
9,500.0	7,754.5	9,705.4	7,989.0	52.0	50.7	144.85	-2,295.1	1,019.8	286.8	220.9	65.88	4.353	
9,600.0	7,754.3	9,805.4	7,989.0	53.6	52.3	144.87	-2,395.1	1,020.1	286.9	218.8	68.13	4.211	
9,700.0	7,754.1	9,905.4	7,989.0	55.2	54.0	144.90	-2,495.1	1,020.5	287.1	216.7	70.41	4.078	
9,800.0	7,753.9	10,005.4	7,989.0	56.9	55.7	144.92	-2,595.1	1,020.8	287.3	214.6	72.69	3.952	
9,900.0	7,753.7	10,105.4	7,989.0	58.5	57.4	144.94	-2,695.1	1,021.1	287.4	212.4	74.98	3.833	
10,000.0	7,753.5	10,205.4	7,989.0	60.2	59.1	144.97	-2,795.1	1,021.5	287.6	210.3	77.29	3.721	
10,100.0	7,753.3	10,305.4	7,989.0	61.9	60.8	144.99	-2,895.1	1,021.8	287.8	208.1	79.60	3.615	
10,200.0	7,753.1	10,405.4	7,989.0	63.6	62.5	145.01	-2,995.1	1,022.1	287.9	206.0	81.92	3.514	
10,300.0	7,752.9	10,505.4	7,989.0	65.3	64.3	145.03	-3,095.1	1,022.5	288.1	203.8	84.25	3.419	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HC - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWID												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	7,752.7	10,605.4	7,989.0	67.1	66.0	145.06	-3,195.1	1,022.8	288.2	201.7	86.59	3.329	
10,500.0	7,752.5	10,705.4	7,989.0	68.8	67.8	145.08	-3,295.1	1,023.1	288.4	199.5	88.93	3.243	
10,600.0	7,752.3	10,805.4	7,989.0	70.6	69.5	145.10	-3,395.1	1,023.5	288.6	197.3	91.27	3.162	
10,700.0	7,752.1	10,905.4	7,989.0	72.3	71.3	145.13	-3,495.1	1,023.8	288.7	195.1	93.62	3.084	
10,800.0	7,751.9	11,005.4	7,989.0	74.1	73.1	145.15	-3,595.1	1,024.1	288.9	192.9	95.98	3.010	
10,900.0	7,751.7	11,105.4	7,989.0	75.9	74.9	145.17	-3,695.1	1,024.5	289.1	190.7	98.34	2.940	
11,000.0	7,751.5	11,205.4	7,989.0	77.6	76.7	145.19	-3,795.1	1,024.8	289.2	188.5	100.70	2.872	
11,100.0	7,751.3	11,305.4	7,989.0	79.4	78.5	145.22	-3,895.1	1,025.1	289.4	186.3	103.06	2.808	
11,200.0	7,751.1	11,405.4	7,989.0	81.2	80.3	145.24	-3,995.1	1,025.5	289.6	184.1	105.43	2.747	
11,300.0	7,750.9	11,505.4	7,989.0	83.0	82.1	145.26	-4,095.1	1,025.8	289.7	181.9	107.80	2.688	
11,400.0	7,750.7	11,605.4	7,989.0	84.8	83.9	145.28	-4,195.1	1,026.1	289.9	179.7	110.17	2.631	
11,500.0	7,750.5	11,705.4	7,989.0	86.6	85.8	145.31	-4,295.1	1,026.5	290.1	177.5	112.55	2.577	
11,600.0	7,750.3	11,805.4	7,989.0	88.4	87.6	145.33	-4,395.1	1,026.8	290.2	175.3	114.92	2.525	
11,700.0	7,750.1	11,905.4	7,989.0	90.3	89.4	145.35	-4,495.1	1,027.1	290.4	173.1	117.30	2.476	
11,800.0	7,749.9	12,005.4	7,989.0	92.1	91.2	145.37	-4,595.1	1,027.4	290.6	170.9	119.68	2.428	
11,900.0	7,749.7	12,105.4	7,989.0	93.9	93.1	145.40	-4,695.1	1,027.8	290.7	168.7	122.06	2.382	
12,000.0	7,749.5	12,205.4	7,989.0	95.7	94.9	145.42	-4,795.1	1,028.1	290.9	166.5	124.44	2.338	
12,100.0	7,749.3	12,305.4	7,989.0	97.6	96.8	145.44	-4,895.1	1,028.4	291.1	164.2	126.82	2.295	
12,200.0	7,749.1	12,405.4	7,989.0	99.4	98.6	145.46	-4,995.1	1,028.8	291.2	162.0	129.20	2.254	
12,300.0	7,748.9	12,505.4	7,989.0	101.2	100.5	145.49	-5,095.1	1,029.1	291.4	159.8	131.58	2.215	
12,400.0	7,748.7	12,605.4	7,989.0	103.1	102.3	145.51	-5,195.1	1,029.4	291.6	157.6	133.96	2.176	
12,500.0	7,748.5	12,705.4	7,989.0	104.9	104.2	145.53	-5,295.1	1,029.8	291.7	155.4	136.35	2.140	
12,600.0	7,748.3	12,805.4	7,989.0	106.8	106.0	145.55	-5,395.1	1,030.1	291.9	153.2	138.73	2.104	
12,700.0	7,748.1	12,905.4	7,989.0	108.6	107.9	145.58	-5,495.1	1,030.4	292.1	151.0	141.11	2.070	
12,800.0	7,747.9	13,005.4	7,989.0	110.5	109.7	145.60	-5,595.1	1,030.8	292.2	148.7	143.49	2.037	
12,900.0	7,747.7	13,105.4	7,989.0	112.3	111.6	145.62	-5,695.1	1,031.1	292.4	146.5	145.88	2.004	
13,000.0	7,747.5	13,205.4	7,989.0	114.2	113.5	145.64	-5,795.1	1,031.4	292.6	144.3	148.26	1.973	
13,100.0	7,747.3	13,305.4	7,989.0	116.0	115.3	145.66	-5,895.1	1,031.8	292.7	142.1	150.64	1.943	
13,200.0	7,747.1	13,405.4	7,989.0	117.9	117.2	145.69	-5,995.1	1,032.1	292.9	139.9	153.02	1.914	
13,300.0	7,746.9	13,505.4	7,989.0	119.8	119.1	145.71	-6,095.1	1,032.4	293.1	137.7	155.40	1.886	
13,400.0	7,746.7	13,605.4	7,989.0	121.6	120.9	145.73	-6,195.1	1,032.8	293.2	135.5	157.78	1.858	
13,500.0	7,746.5	13,705.4	7,989.0	123.5	122.8	145.75	-6,295.1	1,033.1	293.4	133.2	160.16	1.832	
13,600.0	7,746.3	13,805.4	7,989.0	125.3	124.7	145.77	-6,395.1	1,033.4	293.6	131.0	162.54	1.806	
13,700.0	7,746.1	13,905.4	7,989.0	127.2	126.5	145.80	-6,495.1	1,033.8	293.7	128.8	164.92	1.781	
13,800.0	7,745.9	14,005.4	7,989.0	129.1	128.4	145.82	-6,595.1	1,034.1	293.9	126.6	167.30	1.757	
13,900.0	7,745.7	14,105.4	7,989.0	131.0	130.3	145.84	-6,695.1	1,034.4	294.1	124.4	169.68	1.733	
14,000.0	7,745.5	14,205.4	7,989.0	132.8	132.2	145.86	-6,795.1	1,034.8	294.2	122.2	172.05	1.710	
14,100.0	7,745.3	14,305.4	7,989.0	134.7	134.0	145.88	-6,895.1	1,035.1	294.4	120.0	174.43	1.688	
14,200.0	7,745.1	14,405.4	7,989.0	136.6	135.9	145.91	-6,995.1	1,035.4	294.6	117.8	176.81	1.666	
14,300.0	7,744.9	14,505.4	7,989.0	138.4	137.8	145.93	-7,095.0	1,035.7	294.7	115.6	179.18	1.645	
14,400.0	7,744.7	14,605.4	7,989.0	140.3	139.7	145.95	-7,195.0	1,036.1	294.9	113.4	181.55	1.624	
14,500.0	7,744.5	14,705.4	7,989.0	142.2	141.6	145.97	-7,295.0	1,036.4	295.1	111.1	183.93	1.604	
14,600.0	7,744.3	14,805.4	7,989.0	144.1	143.5	145.99	-7,395.0	1,036.7	295.2	108.9	186.30	1.585	
14,700.0	7,744.1	14,905.4	7,989.0	146.0	145.3	146.02	-7,495.0	1,037.1	295.4	106.7	188.67	1.566	
14,800.0	7,743.8	15,005.4	7,989.0	147.8	147.2	146.04	-7,595.0	1,037.4	295.6	104.5	191.04	1.547	
14,900.0	7,743.6	15,105.4	7,989.0	149.7	149.1	146.06	-7,695.0	1,037.7	295.7	102.3	193.40	1.529	
15,000.0	7,743.4	15,205.4	7,989.0	151.6	151.0	146.08	-7,795.0	1,038.1	295.9	100.1	195.77	1.512	
15,100.0	7,743.2	15,305.4	7,989.0	153.5	152.9	146.10	-7,895.0	1,038.4	296.1	97.9	198.14	1.494 Level 3	
15,200.0	7,743.0	15,405.4	7,989.0	155.4	154.8	146.12	-7,995.0	1,038.7	296.2	95.7	200.50	1.478 Level 3	
15,300.0	7,742.8	15,505.4	7,989.0	157.2	156.7	146.15	-8,095.0	1,039.1	296.4	93.5	202.87	1.461 Level 3	
15,400.0	7,742.6	15,605.4	7,989.0	159.1	158.5	146.17	-8,195.0	1,039.4	296.6	91.4	205.23	1.445 Level 3	
15,500.0	7,742.4	15,705.4	7,989.0	161.0	160.4	146.19	-8,295.0	1,039.7	296.7	89.2	207.59	1.429 Level 3	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HC - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,600.0	7,742.2	15,805.4	7,989.0	162.9	162.3	146.21	-8,395.0	1,040.1	296.9	87.0	209.95	1.414	Level 3
15,700.0	7,742.0	15,905.4	7,989.0	164.8	164.2	146.23	-8,495.0	1,040.4	297.1	84.8	212.31	1.399	Level 3
15,717.4	7,742.0	15,920.8	7,989.0	165.1	164.5	146.24	-8,510.4	1,040.4	297.1	84.5	212.64	1.397	Level 3, SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-156.97	-27.7	-11.8	30.1					
100.0	100.0	100.0	100.0	0.1	0.1	-156.97	-27.7	-11.8	30.1	29.9	0.22	133.847		
200.0	200.0	200.0	200.0	0.3	0.3	-156.97	-27.7	-11.8	30.1	29.4	0.67	44.616		
300.0	300.0	300.0	300.0	0.6	0.6	-156.97	-27.7	-11.8	30.1	29.0	1.12	26.769		
400.0	400.0	400.0	400.0	0.8	0.8	-156.97	-27.7	-11.8	30.1	28.5	1.57	19.121		
500.0	500.0	500.0	500.0	1.0	1.0	-156.97	-27.7	-11.8	30.1	28.1	2.02	14.872		
600.0	600.0	600.0	600.0	1.2	1.2	-156.97	-27.7	-11.8	30.1	27.6	2.47	12.168 CC		
700.0	700.0	700.0	700.0	1.4	1.5	97.92	-27.7	-11.8	30.3	27.4	2.91	10.421		
800.0	799.8	799.8	799.8	1.6	1.7	107.38	-27.7	-11.8	31.4	28.1	3.33	9.433		
900.0	899.5	899.5	899.5	1.9	1.9	121.01	-27.7	-11.8	35.0	31.3	3.77	9.286		
1,000.0	998.7	998.7	998.7	2.1	2.1	135.03	-27.7	-11.8	42.6	38.4	4.22	10.100		
1,100.0	1,097.5	1,098.9	1,098.9	2.4	2.3	145.50	-28.4	-10.2	53.5	48.9	4.65	11.515		
1,200.0	1,195.9	1,199.8	1,199.7	2.7	2.5	151.60	-30.4	-5.4	64.5	59.4	5.07	12.721		
1,300.0	1,294.3	1,301.5	1,301.0	3.1	2.8	154.57	-33.9	2.8	72.9	67.4	5.51	13.223		
1,400.0	1,392.7	1,403.7	1,402.4	3.5	3.0	155.70	-38.7	14.4	78.3	72.3	5.98	13.094		
1,500.0	1,491.1	1,503.7	1,501.3	3.8	3.3	156.06	-44.2	27.4	82.2	75.7	6.47	12.704		
1,600.0	1,589.6	1,603.6	1,600.3	4.2	3.5	156.39	-49.7	40.4	86.0	79.0	6.96	12.349		
1,700.0	1,688.0	1,703.5	1,699.2	4.6	3.8	156.69	-55.2	53.3	89.8	82.4	7.47	12.028		
1,800.0	1,786.4	1,803.4	1,798.1	5.0	4.1	156.96	-60.7	66.3	93.7	85.7	7.98	11.738		
1,900.0	1,884.8	1,903.4	1,897.0	5.4	4.4	157.21	-66.1	79.3	97.5	89.0	8.49	11.477		
2,000.0	1,983.2	2,003.3	1,996.0	5.8	4.7	157.45	-71.6	92.3	101.3	92.3	9.01	11.241		
2,100.0	2,081.7	2,103.2	2,094.9	6.2	5.1	157.66	-77.1	105.2	105.2	95.6	9.54	11.027		
2,200.0	2,180.1	2,203.2	2,193.8	6.6	5.4	157.87	-82.6	118.2	109.0	98.9	10.06	10.833		
2,300.0	2,278.5	2,303.1	2,292.8	7.0	5.7	158.05	-88.1	131.2	112.8	102.3	10.59	10.656		
2,400.0	2,376.9	2,403.0	2,391.7	7.4	6.0	158.23	-93.5	144.2	116.7	105.6	11.12	10.494		
2,500.0	2,475.3	2,502.9	2,490.6	7.8	6.4	158.39	-99.0	157.2	120.5	108.9	11.65	10.346		
2,600.0	2,573.8	2,602.9	2,589.5	8.2	6.7	158.55	-104.5	170.1	124.4	112.2	12.18	10.209		
2,700.0	2,672.2	2,702.8	2,688.5	8.6	7.0	158.69	-110.0	183.1	128.2	115.5	12.72	10.083		
2,800.0	2,770.6	2,802.7	2,787.4	9.0	7.4	158.83	-115.5	196.1	132.1	118.8	13.25	9.967		
2,900.0	2,869.0	2,902.6	2,886.3	9.4	7.7	158.96	-120.9	209.1	135.9	122.1	13.79	9.859		
3,000.0	2,967.4	3,002.6	2,985.2	9.8	8.0	159.08	-126.4	222.1	139.8	125.4	14.32	9.759		
3,100.0	3,065.9	3,102.5	3,084.2	10.2	8.4	159.20	-131.9	235.0	143.6	128.8	14.86	9.666		
3,200.0	3,164.3	3,202.4	3,183.1	10.6	8.7	159.30	-137.4	248.0	147.5	132.1	15.39	9.579		
3,300.0	3,262.7	3,302.3	3,282.0	11.0	9.1	159.41	-142.9	261.0	151.3	135.4	15.93	9.498		
3,400.0	3,361.1	3,402.3	3,381.0	11.4	9.4	159.51	-148.3	274.0	155.2	138.7	16.47	9.421		
3,500.0	3,459.5	3,502.2	3,479.9	11.8	9.8	159.60	-153.8	287.0	159.0	142.0	17.01	9.350		
3,600.0	3,558.0	3,602.1	3,578.8	12.2	10.1	159.69	-159.3	299.9	162.9	145.3	17.55	9.282		
3,700.0	3,656.4	3,702.0	3,677.7	12.6	10.4	159.77	-164.8	312.9	166.7	148.6	18.08	9.219		
3,800.0	3,754.8	3,802.0	3,776.7	13.0	10.8	159.86	-170.3	325.9	170.6	151.9	18.62	9.159		
3,900.0	3,853.2	3,901.9	3,875.6	13.4	11.1	159.93	-175.7	338.9	174.4	155.3	19.16	9.102		
4,000.0	3,951.6	4,001.8	3,974.5	13.8	11.5	160.01	-181.2	351.9	178.3	158.6	19.70	9.049		
4,100.0	4,050.1	4,101.7	4,073.5	14.2	11.8	160.08	-186.7	364.8	182.1	161.9	20.24	8.998		
4,200.0	4,148.5	4,201.7	4,172.4	14.7	12.2	160.15	-192.2	377.8	186.0	165.2	20.78	8.950		
4,300.0	4,246.9	4,301.6	4,271.3	15.1	12.5	160.21	-197.7	390.8	189.8	168.5	21.32	8.904		
4,400.0	4,345.3	4,401.5	4,370.2	15.5	12.9	160.28	-203.1	403.8	193.7	171.8	21.86	8.860		
4,500.0	4,443.7	4,501.4	4,469.2	15.9	13.2	160.34	-208.6	416.7	197.5	175.1	22.40	8.819		
4,600.0	4,542.2	4,601.4	4,568.1	16.3	13.6	160.39	-214.1	429.7	201.4	178.4	22.94	8.779		
4,700.0	4,640.6	4,701.3	4,667.0	16.7	13.9	160.45	-219.6	442.7	205.2	181.8	23.48	8.742		
4,800.0	4,739.0	4,801.2	4,765.9	17.1	14.3	160.50	-225.1	455.7	209.1	185.1	24.02	8.705		
4,900.0	4,837.4	4,901.1	4,864.9	17.5	14.6	160.56	-230.5	468.7	212.9	188.4	24.56	8.671		
5,000.0	4,935.8	5,001.1	4,963.8	17.9	15.0	160.61	-236.0	481.6	216.8	191.7	25.10	8.638		
5,100.0	5,034.3	5,101.0	5,062.7	18.3	15.3	160.65	-241.5	494.6	220.7	195.0	25.64	8.606		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,132.7	5,200.9	5,161.7	18.7	15.7	160.70	-247.0	507.6	224.5	198.3	26.18	8.576	
5,300.0	5,231.1	5,300.8	5,260.6	19.1	16.0	160.75	-252.5	520.6	228.4	201.6	26.72	8.547	
5,400.0	5,329.5	5,400.8	5,359.5	19.5	16.3	160.79	-258.0	533.6	232.2	205.0	27.26	8.519	
5,500.0	5,427.9	5,500.7	5,458.4	20.0	16.7	160.83	-263.4	546.5	236.1	208.3	27.80	8.492	
5,600.0	5,526.4	5,600.6	5,557.4	20.4	17.0	160.87	-268.9	559.5	239.9	211.6	28.34	8.466	
5,700.0	5,624.8	5,700.5	5,656.3	20.8	17.4	160.91	-274.4	572.5	243.8	214.9	28.88	8.441	
5,800.0	5,723.2	5,800.5	5,755.2	21.2	17.7	160.95	-279.9	585.5	247.6	218.2	29.42	8.417	
5,900.0	5,821.6	5,900.4	5,854.1	21.6	18.1	160.99	-285.4	598.5	251.5	221.5	29.96	8.393	
6,000.0	5,920.0	6,000.3	5,953.1	22.0	18.4	161.02	-290.8	611.4	255.3	224.8	30.50	8.371	
6,100.0	6,018.5	6,100.2	6,052.0	22.4	18.8	161.06	-296.3	624.4	259.2	228.2	31.04	8.350	
6,200.0	6,116.9	6,200.2	6,150.9	22.8	19.1	161.09	-301.8	637.4	263.1	231.5	31.58	8.329	
6,300.0	6,215.3	6,300.1	6,249.9	23.2	19.5	161.12	-307.3	650.4	266.9	234.8	32.13	8.308	
6,400.0	6,313.7	6,400.0	6,348.8	23.6	19.8	161.16	-312.8	663.3	270.8	238.1	32.67	8.289	
6,500.0	6,412.1	6,499.9	6,447.7	24.0	20.2	161.19	-318.2	676.3	274.6	241.4	33.21	8.270	
6,600.0	6,510.6	6,599.9	6,546.6	24.4	20.5	161.22	-323.7	689.3	278.5	244.7	33.75	8.252	
6,700.0	6,609.0	6,699.8	6,645.6	24.9	20.9	161.25	-329.2	702.3	282.3	248.0	34.29	8.234	
6,800.0	6,707.4	6,799.7	6,744.5	25.3	21.2	161.28	-334.7	715.3	286.2	251.4	34.83	8.217	
6,900.0	6,805.8	6,899.7	6,843.4	25.7	21.6	161.30	-340.2	728.2	290.0	254.7	35.37	8.200	
7,000.0	6,904.2	6,999.6	6,942.3	26.1	21.9	161.33	-345.6	741.2	293.9	258.0	35.91	8.184	
7,100.0	7,002.6	7,099.5	7,041.3	26.5	22.3	161.36	-351.1	754.2	297.8	261.3	36.45	8.169	
7,200.0	7,101.1	7,199.3	7,139.9	26.9	22.6	156.73	-356.6	767.1	301.6	264.5	37.08	8.135	
7,300.0	7,198.6	7,298.2	7,235.9	27.3	23.0	127.10	-378.3	779.8	305.6	267.5	38.03	8.034	
7,400.0	7,293.2	7,396.4	7,327.7	27.8	23.5	112.99	-410.8	791.9	309.5	270.3	39.18	7.899	
7,500.0	7,383.2	7,493.8	7,413.6	28.3	24.0	105.24	-455.2	803.4	313.3	272.8	40.50	7.735	
7,600.0	7,466.6	7,590.6	7,492.2	28.9	24.6	100.34	-510.6	813.9	316.9	274.9	41.99	7.548	
7,700.0	7,542.0	7,686.8	7,562.2	29.6	25.3	96.96	-575.7	823.3	320.3	276.7	43.61	7.344	
7,800.0	7,607.8	7,782.5	7,622.7	30.3	26.1	94.52	-649.3	831.5	323.2	277.9	45.35	7.128	
7,900.0	7,662.8	7,877.7	7,672.7	31.1	26.9	92.73	-730.0	838.3	325.7	278.6	47.18	6.904	
8,000.0	7,705.9	7,972.6	7,711.6	32.0	27.8	91.46	-816.3	843.8	327.7	278.6	49.09	6.676	
8,100.0	7,736.2	8,067.3	7,738.7	33.0	28.8	90.60	-906.8	847.6	329.2	278.1	51.06	6.447	
8,200.0	7,753.2	8,161.7	7,753.8	34.0	29.9	90.12	-1,000.0	850.0	330.0	276.9	53.08	6.217	
8,300.0	7,757.0	8,257.5	7,756.9	35.1	31.0	90.00	-1,095.7	850.7	330.2	274.9	55.24	5.977	
8,400.0	7,756.7	8,357.5	7,756.7	36.2	32.3	90.00	-1,195.7	851.1	330.2	272.1	58.06	5.687	
8,500.0	7,756.5	8,457.5	7,756.5	37.4	33.6	90.00	-1,295.7	851.4	330.2	269.1	61.03	5.410	
8,600.0	7,756.3	8,557.5	7,756.3	38.7	35.0	90.00	-1,395.7	851.8	330.2	266.1	64.10	5.151	
8,700.0	7,756.1	8,657.5	7,756.1	40.0	36.4	90.00	-1,495.7	852.1	330.2	262.9	67.25	4.910	
8,800.0	7,755.9	8,757.5	7,755.9	41.4	37.9	90.00	-1,595.6	852.4	330.2	259.7	70.46	4.686	
8,900.0	7,755.7	8,857.5	7,755.7	42.8	39.4	90.00	-1,695.6	852.8	330.2	256.4	73.74	4.478	
9,000.0	7,755.5	8,957.5	7,755.5	44.3	40.9	90.00	-1,795.6	853.1	330.2	253.1	77.06	4.284	
9,100.0	7,755.3	9,057.5	7,755.3	45.7	42.5	90.00	-1,895.6	853.4	330.1	249.7	80.43	4.105	
9,200.0	7,755.1	9,157.5	7,755.1	47.3	44.1	90.00	-1,995.6	853.8	330.1	246.3	83.84	3.938	
9,300.0	7,754.9	9,257.5	7,754.9	48.8	45.8	90.00	-2,095.6	854.1	330.1	242.9	87.29	3.782	
9,400.0	7,754.7	9,357.5	7,754.7	50.4	47.4	90.00	-2,195.6	854.4	330.1	239.4	90.76	3.637	
9,500.0	7,754.5	9,457.5	7,754.5	52.0	49.1	90.00	-2,295.6	854.8	330.1	235.9	94.26	3.502	
9,600.0	7,754.3	9,557.5	7,754.3	53.6	50.8	90.00	-2,395.6	855.1	330.1	232.3	97.79	3.376	
9,700.0	7,754.1	9,657.5	7,754.1	55.2	52.5	90.00	-2,495.6	855.4	330.1	228.8	101.34	3.258	
9,800.0	7,753.9	9,757.5	7,753.9	56.9	54.2	90.00	-2,595.6	855.8	330.1	225.2	104.91	3.147	
9,900.0	7,753.7	9,857.5	7,753.7	58.5	55.9	90.00	-2,695.6	856.1	330.1	221.6	108.50	3.043	
10,000.0	7,753.5	9,957.5	7,753.5	60.2	57.7	90.00	-2,795.6	856.4	330.1	218.0	112.11	2.945	
10,100.0	7,753.3	10,057.5	7,753.3	61.9	59.4	90.00	-2,895.6	856.8	330.1	214.4	115.72	2.853	
10,200.0	7,753.1	10,157.5	7,753.1	63.6	61.2	90.00	-2,995.6	857.1	330.1	210.8	119.36	2.766	
10,300.0	7,752.9	10,257.5	7,752.9	65.3	62.9	90.00	-3,095.6	857.4	330.1	207.1	123.00	2.684	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWDD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	7,752.7	10,357.5	7,752.7	67.1	64.7	90.00	-3,195.6	857.8	330.1	203.5	126.66	2.606	
10,500.0	7,752.5	10,457.5	7,752.5	68.8	66.5	90.00	-3,295.6	858.1	330.1	199.8	130.32	2.533	
10,600.0	7,752.3	10,557.5	7,752.3	70.6	68.3	90.00	-3,395.6	858.5	330.1	196.1	134.00	2.464	
10,700.0	7,752.1	10,657.5	7,752.1	72.3	70.1	90.00	-3,495.6	858.8	330.1	192.4	137.68	2.398	
10,800.0	7,751.9	10,757.5	7,751.9	74.1	71.9	90.00	-3,595.6	859.1	330.1	188.7	141.37	2.335	
10,900.0	7,751.7	10,857.5	7,751.7	75.9	73.7	90.00	-3,695.6	859.5	330.1	185.0	145.07	2.275	
11,000.0	7,751.5	10,957.5	7,751.5	77.6	75.5	90.00	-3,795.6	859.8	330.1	181.3	148.77	2.219	
11,100.0	7,751.3	11,057.5	7,751.3	79.4	77.4	90.00	-3,895.6	860.1	330.1	177.6	152.49	2.165	
11,200.0	7,751.1	11,157.5	7,751.1	81.2	79.2	90.00	-3,995.6	860.5	330.1	173.9	156.20	2.113	
11,300.0	7,750.9	11,257.5	7,750.9	83.0	81.0	90.00	-4,095.6	860.8	330.1	170.2	159.93	2.064	
11,400.0	7,750.7	11,357.5	7,750.7	84.8	82.8	90.00	-4,195.6	861.1	330.1	166.4	163.65	2.017	
11,500.0	7,750.5	11,457.5	7,750.5	86.6	84.7	90.00	-4,295.6	861.5	330.1	162.7	167.39	1.972	
11,600.0	7,750.3	11,557.5	7,750.3	88.4	86.5	90.00	-4,395.6	861.8	330.1	159.0	171.12	1.929	
11,700.0	7,750.1	11,657.5	7,750.1	90.3	88.4	90.00	-4,495.6	862.1	330.1	155.2	174.86	1.888	
11,800.0	7,749.9	11,757.5	7,749.9	92.1	90.2	90.00	-4,595.6	862.5	330.1	151.5	178.61	1.848	
11,900.0	7,749.7	11,857.5	7,749.7	93.9	92.1	90.00	-4,695.6	862.8	330.1	147.7	182.36	1.810	
12,000.0	7,749.5	11,957.5	7,749.5	95.7	93.9	90.00	-4,795.6	863.1	330.1	144.0	186.11	1.774	
12,100.0	7,749.3	12,057.5	7,749.3	97.6	95.8	90.00	-4,895.6	863.5	330.1	140.2	189.87	1.738	
12,200.0	7,749.1	12,157.5	7,749.1	99.4	97.6	90.00	-4,995.6	863.8	330.1	136.4	193.62	1.705	
12,300.0	7,748.9	12,257.5	7,748.9	101.2	99.5	90.00	-5,095.6	864.2	330.1	132.7	197.38	1.672	
12,400.0	7,748.7	12,357.5	7,748.7	103.1	101.4	90.00	-5,195.6	864.5	330.1	128.9	201.15	1.641	
12,500.0	7,748.5	12,457.5	7,748.5	104.9	103.2	90.00	-5,295.6	864.8	330.1	125.1	204.91	1.611	
12,600.0	7,748.3	12,557.5	7,748.3	106.8	105.1	90.00	-5,395.6	865.2	330.1	121.4	208.68	1.582	
12,700.0	7,748.1	12,657.5	7,748.1	108.6	106.9	90.00	-5,495.6	865.5	330.1	117.6	212.45	1.554	
12,800.0	7,747.9	12,757.5	7,747.9	110.5	108.8	90.00	-5,595.6	865.8	330.1	113.8	216.23	1.526	
12,900.0	7,747.7	12,857.5	7,747.7	112.3	110.7	90.00	-5,695.6	866.2	330.0	110.0	220.00	1.500	
13,000.0	7,747.5	12,957.5	7,747.5	114.2	112.6	90.00	-5,795.6	866.5	330.0	106.3	223.78	1.475 Level 3	
13,100.0	7,747.3	13,057.5	7,747.3	116.0	114.4	90.00	-5,895.6	866.8	330.0	102.5	227.56	1.450 Level 3	
13,200.0	7,747.1	13,157.5	7,747.1	117.9	116.3	90.00	-5,995.6	867.2	330.0	98.7	231.34	1.427 Level 3	
13,300.0	7,746.9	13,257.5	7,746.9	119.8	118.2	90.00	-6,095.6	867.5	330.0	94.9	235.12	1.404 Level 3	
13,400.0	7,746.7	13,357.5	7,746.7	121.6	120.1	90.00	-6,195.6	867.8	330.0	91.1	238.90	1.381 Level 3	
13,500.0	7,746.5	13,457.5	7,746.5	123.5	121.9	90.00	-6,295.6	868.2	330.0	87.3	242.69	1.360 Level 3	
13,600.0	7,746.3	13,557.5	7,746.3	125.3	123.8	90.00	-6,395.6	868.5	330.0	83.6	246.48	1.339 Level 3	
13,700.0	7,746.1	13,657.5	7,746.1	127.2	125.7	90.00	-6,495.6	868.8	330.0	79.8	250.26	1.319 Level 3	
13,800.0	7,745.9	13,757.5	7,745.9	129.1	127.6	90.00	-6,595.6	869.2	330.0	76.0	254.05	1.299 Level 3	
13,900.0	7,745.7	13,857.5	7,745.7	131.0	129.5	90.00	-6,695.6	869.5	330.0	72.2	257.84	1.280 Level 3	
14,000.0	7,745.5	13,957.5	7,745.5	132.8	131.4	90.00	-6,795.6	869.8	330.0	68.4	261.64	1.261 Level 3	
14,100.0	7,745.3	14,057.5	7,745.3	134.7	133.2	90.00	-6,895.6	870.2	330.0	64.6	265.43	1.243 Level 2	
14,200.0	7,745.1	14,157.5	7,745.1	136.6	135.1	90.00	-6,995.6	870.5	330.0	60.8	269.22	1.226 Level 2	
14,300.0	7,744.9	14,257.5	7,744.8	138.4	137.0	90.00	-7,095.6	870.9	330.0	57.0	273.02	1.209 Level 2	
14,400.0	7,744.7	14,357.5	7,744.6	140.3	138.9	90.00	-7,195.6	871.2	330.0	53.2	276.82	1.192 Level 2	
14,500.0	7,744.5	14,457.5	7,744.4	142.2	140.8	90.00	-7,295.6	871.5	330.0	49.4	280.61	1.176 Level 2	
14,600.0	7,744.3	14,557.5	7,744.2	144.1	142.7	90.00	-7,395.6	871.9	330.0	45.6	284.41	1.160 Level 2	
14,700.0	7,744.1	14,657.5	7,744.0	146.0	144.6	90.00	-7,495.6	872.2	330.0	41.8	288.21	1.145 Level 2	
14,800.0	7,743.8	14,757.5	7,743.8	147.8	146.5	90.00	-7,595.6	872.5	330.0	38.0	292.01	1.130 Level 2	
14,900.0	7,743.6	14,857.5	7,743.6	149.7	148.3	90.00	-7,695.6	872.9	330.0	34.2	295.81	1.116 Level 2	
15,000.0	7,743.4	14,957.5	7,743.4	151.6	150.2	90.00	-7,795.6	873.2	330.0	30.4	299.61	1.101 Level 2	
15,100.0	7,743.2	15,057.5	7,743.2	153.5	152.1	90.00	-7,895.6	873.5	330.0	26.6	303.41	1.088 Level 2	
15,200.0	7,743.0	15,157.5	7,743.0	155.4	154.0	90.00	-7,995.6	873.9	330.0	22.8	307.22	1.074 Level 2	
15,300.0	7,742.8	15,257.5	7,742.8	157.2	155.9	90.00	-8,095.6	874.2	330.0	19.0	311.02	1.061 Level 2	
15,400.0	7,742.6	15,357.5	7,742.6	159.1	157.8	90.00	-8,195.6	874.5	330.0	15.2	314.83	1.048 Level 2	
15,500.0	7,742.4	15,457.5	7,742.4	161.0	159.7	90.00	-8,295.6	874.9	330.0	11.4	318.63	1.036 Level 2	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance										
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
15,600.0	7,742.2	15,557.5	7,742.2	162.9	161.6	90.00	-8,395.6	875.2	330.0	7.5	322.44	1.023	Level 2	
15,700.0	7,742.0	15,657.5	7,742.0	164.8	163.3	90.00	-8,495.6	875.5	330.0	3.9	326.04	1.012	Level 2	
15,713.3	7,742.0	15,670.7	7,742.0	165.0	163.5	90.00	-8,508.9	875.6	330.0	3.5	326.45	1.011	Level 2	
15,717.4	7,742.0	15,670.8	7,742.0	165.1	163.5	90.00	-8,508.9	875.6	330.0	3.5	326.51	1.011	Level 2, ES, SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	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		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	33.01	445.2	289.2	530.9					
100.0	100.0	97.0	97.0	0.1	0.1	33.01	445.2	289.2	530.9	530.6	0.22	2,397.779		
200.0	200.0	197.0	197.0	0.3	0.3	33.01	445.2	289.2	530.9	530.2	0.67	795.245		
300.0	300.0	297.0	297.0	0.6	0.6	33.01	445.2	289.2	530.9	529.8	1.12	475.227		
400.0	400.0	397.0	397.0	0.8	0.8	33.01	445.2	289.2	530.9	529.3	1.57	338.863		
500.0	500.0	514.9	514.9	1.0	1.0	32.88	444.2	287.1	529.2	527.2	2.04	259.978		
600.0	600.0	633.0	632.8	1.2	1.3	32.46	441.2	280.6	524.1	521.6	2.51	208.999		
700.0	700.0	750.1	749.2	1.4	1.6	-77.06	436.3	269.8	515.2	512.2	2.99	172.337		
800.0	799.8	865.3	863.3	1.6	1.9	-79.04	429.5	254.9	502.4	498.9	3.49	144.133		
900.0	899.5	977.8	973.9	1.9	2.3	-81.93	421.0	236.4	486.3	482.3	4.03	120.569		
1,000.0	998.7	1,075.4	1,069.4	2.1	2.7	-85.26	412.7	218.2	468.9	464.2	4.61	101.785		
1,100.0	1,097.5	1,169.6	1,161.6	2.4	3.1	-89.10	404.6	200.5	452.6	447.4	5.24	86.387		
1,200.0	1,195.9	1,263.3	1,253.2	2.7	3.5	-93.07	396.6	182.9	438.4	432.5	5.93	73.878		
1,300.0	1,294.3	1,356.9	1,344.9	3.1	3.9	-97.23	388.5	165.4	426.6	419.9	6.68	63.905		
1,400.0	1,392.7	1,450.5	1,436.5	3.5	4.3	-101.58	380.5	147.8	417.5	410.0	7.45	56.047		
1,500.0	1,491.1	1,544.2	1,528.1	3.8	4.7	-106.07	372.5	130.3	411.1	402.9	8.24	49.904		
1,600.0	1,589.6	1,637.8	1,619.7	4.2	5.1	-110.66	364.5	112.7	407.7	398.7	9.03	45.142		
1,663.4	1,652.0	1,697.2	1,677.8	4.5	5.4	-113.59	359.4	101.6	407.1	397.6	9.53	42.711 CC		
1,700.0	1,688.0	1,731.4	1,711.3	4.6	5.5	-115.28	356.4	95.1	407.3	397.5	9.82	41.493 ES		
1,800.0	1,786.4	1,825.1	1,803.0	5.0	6.0	-119.88	348.4	77.6	409.9	399.3	10.58	38.744		
1,900.0	1,884.8	1,918.7	1,894.6	5.4	6.4	-124.41	340.4	60.0	415.5	404.2	11.31	36.721		
2,000.0	1,983.2	2,012.3	1,986.2	5.8	6.8	-128.80	332.4	42.5	423.9	411.9	12.01	35.281		
2,100.0	2,081.7	2,106.0	2,077.8	6.2	7.2	-133.01	324.3	24.9	435.0	422.3	12.68	34.310		
2,200.0	2,180.1	2,199.6	2,169.5	6.6	7.7	-137.02	316.3	7.3	448.6	435.3	13.31	33.713		
2,300.0	2,278.5	2,293.2	2,261.1	7.0	8.1	-140.80	308.3	-10.2	464.4	450.5	13.90	33.412		
2,400.0	2,376.9	2,386.9	2,352.7	7.4	8.5	-144.34	300.3	-27.8	482.3	467.8	14.46	33.345		
2,500.0	2,475.3	2,480.5	2,444.3	7.8	9.0	-147.63	292.2	-45.3	502.0	487.0	15.00	33.459		
2,600.0	2,573.8	2,574.1	2,535.9	8.2	9.4	-150.69	284.2	-62.9	523.3	507.8	15.52	33.711		
2,700.0	2,672.2	2,667.8	2,627.6	8.6	9.8	-153.52	276.2	-80.4	546.1	530.0	16.03	34.069		
2,800.0	2,770.6	2,761.4	2,719.2	9.0	10.2	-156.14	268.2	-98.0	570.1	553.5	16.52	34.504		
2,900.0	2,869.0	2,855.0	2,810.8	9.4	10.7	-158.55	260.1	-115.6	595.2	578.2	17.01	34.994		
3,000.0	2,967.4	2,948.7	2,902.4	9.8	11.1	-160.78	252.1	-133.1	621.3	603.8	17.49	35.522		
3,100.0	3,065.9	3,042.3	2,994.0	10.2	11.5	-162.83	244.1	-150.7	648.2	630.2	17.97	36.075		
3,200.0	3,164.3	3,135.9	3,085.7	10.6	12.0	-164.73	236.1	-168.2	675.9	657.4	18.45	36.642		
3,300.0	3,262.7	3,229.6	3,177.3	11.0	12.4	-166.48	228.0	-185.8	704.2	685.3	18.92	37.214		
3,400.0	3,361.1	3,323.2	3,268.9	11.4	12.8	-168.10	220.0	-203.4	733.1	713.7	19.40	37.786		
3,500.0	3,459.5	3,416.8	3,360.5	11.8	13.3	-169.60	212.0	-220.9	762.6	742.7	19.88	38.352		
3,600.0	3,558.0	3,510.5	3,452.2	12.2	13.7	-171.00	204.0	-238.5	792.5	772.1	20.37	38.910		
3,700.0	3,656.4	3,604.1	3,543.8	12.6	14.1	-172.29	195.9	-256.0	822.8	802.0	20.85	39.456		
3,800.0	3,754.8	3,697.7	3,635.4	13.0	14.5	-173.50	187.9	-273.6	853.5	832.2	21.34	39.989		
3,900.0	3,853.2	3,791.4	3,727.0	13.4	15.0	-174.62	179.9	-291.1	884.5	862.7	21.84	40.507		
4,000.0	3,951.6	3,885.0	3,818.6	13.8	15.4	-175.67	171.9	-308.7	915.9	893.5	22.33	41.011		
4,100.0	4,050.1	3,978.6	3,910.3	14.2	15.8	-176.65	163.8	-326.3	947.4	924.6	22.83	41.499		
4,200.0	4,148.5	4,072.3	4,001.9	14.7	16.3	-177.57	155.8	-343.8	979.3	955.9	23.33	41.971		
7,000.0	6,904.2	9,564.5	7,840.7	26.1	49.0	-134.67	-86.9	1,036.9	973.8	907.2	66.60	14.623		
7,100.0	7,002.6	9,580.9	7,840.6	26.5	49.4	-132.20	-87.0	1,053.4	880.9	812.5	68.40	12.879		
7,200.0	7,101.1	9,597.4	7,840.5	26.9	49.8	-133.24	-87.0	1,069.8	789.3	718.9	70.41	11.210		
7,300.0	7,198.6	9,613.7	7,840.5	27.3	50.2	-155.09	-87.1	1,086.2	703.7	631.3	72.43	9.716		
7,400.0	7,293.2	9,629.7	7,840.4	27.8	50.6	-164.07	-87.1	1,102.2	631.1	559.1	71.98	8.768		
7,500.0	7,383.2	9,645.0	7,840.4	28.3	51.0	-168.06	-87.2	1,117.5	578.0	508.3	69.78	8.284 SF		
7,600.0	7,466.6	9,659.3	7,840.3	28.9	51.3	-170.04	-87.2	1,131.8	551.4	485.3	66.15	8.336		
7,636.5	7,495.2	9,664.2	7,840.3	29.2	51.4	-170.50	-87.2	1,136.7	549.3	484.8	64.52	8.514		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	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	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,700.0	7,542.0	9,672.4	7,840.3	29.6	51.6	-171.10	-87.3	1,144.8	555.7	494.4	61.33	9.061	
7,800.0	7,607.8	9,683.9	7,840.2	30.3	51.9	-171.67	-87.3	1,156.3	590.2	534.6	55.56	10.622	
7,900.0	7,662.8	9,693.6	7,840.2	31.1	52.1	-171.97	-87.3	1,166.1	649.6	600.4	49.15	13.216	
8,000.0	7,705.9	9,701.5	7,840.1	32.0	52.3	-172.14	-87.4	1,173.9	726.9	684.4	42.52	17.095	
8,100.0	7,736.2	9,707.2	7,840.1	33.0	52.5	-172.32	-87.4	1,179.7	815.9	779.6	36.31	22.470	
8,200.0	7,753.2	9,710.7	7,840.1	34.0	52.5	-172.90	-87.4	1,183.2	911.7	880.3	31.44	28.997	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-14-23HN - Wellbore #1 - Plan #2 (11-5-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	22.04	13.8	5.6	14.9	14.9	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	22.04	13.8	5.6	14.9	14.7	0.22	66.445		
200.0	200.0	200.0	200.0	0.3	0.3	22.04	13.8	5.6	14.9	14.3	0.67	22.148		
300.0	300.0	300.0	300.0	0.6	0.6	22.04	13.8	5.6	14.9	13.8	1.12	13.289		
400.0	400.0	400.0	400.0	0.8	0.8	22.04	13.8	5.6	14.9	13.4	1.57	9.492 CC		
500.0	500.0	499.9	499.9	1.0	1.0	28.56	13.4	7.3	15.2	13.2	2.01	7.593 ES		
600.0	600.0	599.6	599.4	1.2	1.2	45.67	12.0	12.3	17.2	14.8	2.44	7.059		
700.0	700.0	698.9	698.3	1.4	1.4	-46.85	9.8	20.6	21.7	18.8	2.87	7.555		
800.0	799.8	798.0	796.7	1.6	1.7	-37.22	6.6	32.2	27.3	24.0	3.30	8.279		
900.0	899.5	896.8	894.4	1.9	2.0	-31.30	2.6	47.1	33.5	29.7	3.74	8.948		
1,000.0	998.7	995.5	991.2	2.1	2.4	-27.52	-2.3	65.1	39.9	35.7	4.20	9.500		
1,100.0	1,097.5	1,095.0	1,088.5	2.4	2.8	-25.54	-7.8	85.5	45.5	40.8	4.69	9.704		
1,200.0	1,195.9	1,195.0	1,186.1	2.7	3.2	-24.99	-13.3	106.1	49.4	44.1	5.22	9.461		
1,300.0	1,294.3	1,294.9	1,283.8	3.1	3.6	-24.52	-18.9	126.6	53.2	47.4	5.75	9.239		
1,400.0	1,392.7	1,394.8	1,381.4	3.5	4.1	-24.11	-24.5	147.2	57.0	50.7	6.30	9.042		
1,500.0	1,491.1	1,494.7	1,479.0	3.8	4.5	-23.76	-30.0	167.7	60.8	53.9	6.85	8.872		
1,600.0	1,589.6	1,594.7	1,576.7	4.2	5.0	-23.45	-35.6	188.3	64.6	57.2	7.41	8.721		
1,700.0	1,688.0	1,694.6	1,674.3	4.6	5.4	-23.17	-41.1	208.8	68.4	60.4	7.96	8.588		
1,800.0	1,786.4	1,794.5	1,771.9	5.0	5.9	-22.92	-46.7	229.4	72.2	63.7	8.52	8.470		
1,900.0	1,884.8	1,894.5	1,869.6	5.4	6.4	-22.70	-52.2	249.9	76.0	66.9	9.09	8.366		
2,000.0	1,983.2	1,994.4	1,967.2	5.8	6.8	-22.50	-57.8	270.5	79.8	70.2	9.65	8.272		
2,100.0	2,081.7	2,094.3	2,064.8	6.2	7.3	-22.31	-63.4	291.0	83.7	73.4	10.22	8.188		
2,200.0	2,180.1	2,194.2	2,162.5	6.6	7.7	-22.15	-68.9	311.6	87.5	76.7	10.78	8.112		
2,300.0	2,278.5	2,294.2	2,260.1	7.0	8.2	-21.99	-74.5	332.1	91.3	79.9	11.35	8.043		
2,400.0	2,376.9	2,394.1	2,357.7	7.4	8.7	-21.85	-80.0	352.6	95.1	83.2	11.92	7.980		
2,500.0	2,475.3	2,494.0	2,455.4	7.8	9.1	-21.72	-85.6	373.2	98.9	86.4	12.49	7.923		
2,600.0	2,573.8	2,593.9	2,553.0	8.2	9.6	-21.60	-91.1	393.7	102.7	89.7	13.06	7.870		
2,700.0	2,672.2	2,693.9	2,650.6	8.6	10.1	-21.49	-96.7	414.3	106.6	92.9	13.62	7.822		
2,800.0	2,770.6	2,793.8	2,748.3	9.0	10.6	-21.38	-102.3	434.8	110.4	96.2	14.19	7.777		
2,900.0	2,869.0	2,893.7	2,845.9	9.4	11.0	-21.29	-107.8	455.4	114.2	99.4	14.76	7.736		
3,000.0	2,967.4	2,993.7	2,943.5	9.8	11.5	-21.20	-113.4	475.9	118.0	102.7	15.33	7.698		
3,100.0	3,065.9	3,093.6	3,041.2	10.2	12.0	-21.11	-118.9	496.5	121.9	105.9	15.90	7.662		
3,200.0	3,164.3	3,193.5	3,138.8	10.6	12.4	-21.03	-124.5	517.0	125.7	109.2	16.47	7.629		
3,300.0	3,262.7	3,293.4	3,236.4	11.0	12.9	-20.96	-130.0	537.6	129.5	112.5	17.04	7.598		
3,400.0	3,361.1	3,393.4	3,334.1	11.4	13.4	-20.88	-135.6	558.1	133.3	115.7	17.62	7.568		
3,500.0	3,459.5	3,493.3	3,431.7	11.8	13.8	-20.82	-141.2	578.7	137.1	119.0	18.19	7.541		
3,600.0	3,558.0	3,593.2	3,529.3	12.2	14.3	-20.75	-146.7	599.2	141.0	122.2	18.76	7.515		
3,700.0	3,656.4	3,693.1	3,627.0	12.6	14.8	-20.69	-152.3	619.8	144.8	125.5	19.33	7.491		
3,800.0	3,754.8	3,793.1	3,724.6	13.0	15.2	-20.64	-157.8	640.3	148.6	128.7	19.90	7.468		
3,900.0	3,853.2	3,893.0	3,822.2	13.4	15.7	-20.58	-163.4	660.8	152.4	132.0	20.47	7.447		
4,000.0	3,951.6	3,992.9	3,919.9	13.8	16.2	-20.53	-168.9	681.4	156.3	135.2	21.04	7.426		
4,100.0	4,050.1	4,092.8	4,017.5	14.2	16.7	-20.48	-174.5	701.9	160.1	138.5	21.61	7.407		
4,200.0	4,148.5	4,192.8	4,115.1	14.7	17.1	-20.44	-180.1	722.5	163.9	141.7	22.18	7.388		
4,300.0	4,246.9	4,292.7	4,212.8	15.1	17.6	-20.39	-185.6	743.0	167.7	145.0	22.76	7.371		
4,400.0	4,345.3	4,392.6	4,310.4	15.5	18.1	-20.35	-191.2	763.6	171.6	148.2	23.33	7.354		
4,500.0	4,443.7	4,492.6	4,408.0	15.9	18.5	-20.31	-196.7	784.1	175.4	151.5	23.90	7.338		
4,600.0	4,542.2	4,592.5	4,505.7	16.3	19.0	-20.27	-202.3	804.7	179.2	154.7	24.47	7.323		
4,700.0	4,640.6	4,692.4	4,603.3	16.7	19.5	-20.23	-207.9	825.2	183.0	158.0	25.04	7.309		
4,800.0	4,739.0	4,792.3	4,700.9	17.1	19.9	-20.20	-213.4	845.8	186.8	161.2	25.61	7.295		
4,900.0	4,837.4	4,892.3	4,798.6	17.5	20.4	-20.16	-219.0	866.3	190.7	164.5	26.19	7.282		
5,000.0	4,935.8	4,992.2	4,896.2	17.9	20.9	-20.13	-224.5	886.9	194.5	167.7	26.76	7.269		
5,100.0	5,034.3	5,092.1	4,993.8	18.3	21.4	-20.10	-230.1	907.4	198.3	171.0	27.33	7.257		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-14-23HN - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0ft
Survey Program: 0-MWD												Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,132.7	5,192.0	5,091.5	18.7	21.8	-20.07	-235.6	928.0	202.1	174.2	27.90	7.245	
5,300.0	5,231.1	5,292.0	5,189.1	19.1	22.3	-20.04	-241.2	948.5	206.0	177.5	28.47	7.234	
5,400.0	5,329.5	5,391.9	5,286.7	19.5	22.8	-20.01	-246.8	969.0	209.8	180.7	29.04	7.223	
5,500.0	5,427.9	5,491.8	5,384.4	20.0	23.2	-19.98	-252.3	989.6	213.6	184.0	29.62	7.213	
5,600.0	5,526.4	5,591.7	5,482.0	20.4	23.7	-19.95	-257.9	1,010.1	217.4	187.3	30.19	7.203	
5,700.0	5,624.8	5,691.7	5,579.6	20.8	24.2	-19.93	-263.4	1,030.7	221.3	190.5	30.76	7.193	
5,800.0	5,723.2	5,791.6	5,677.3	21.2	24.7	-19.90	-269.0	1,051.2	225.1	193.8	31.33	7.184	
5,900.0	5,821.6	5,891.5	5,774.9	21.6	25.1	-19.88	-274.5	1,071.8	228.9	197.0	31.90	7.175	
6,000.0	5,920.0	5,991.5	5,872.5	22.0	25.6	-19.86	-280.1	1,092.3	232.7	200.3	32.48	7.167	
6,100.0	6,018.5	6,091.4	5,970.2	22.4	26.1	-19.83	-285.7	1,112.9	236.6	203.5	33.05	7.158	
6,200.0	6,116.9	6,191.3	6,067.8	22.8	26.5	-19.81	-291.2	1,133.4	240.4	206.8	33.62	7.150	
6,300.0	6,215.3	6,291.2	6,165.4	23.2	27.0	-19.79	-296.8	1,154.0	244.2	210.0	34.19	7.142	
6,400.0	6,313.7	6,391.2	6,263.1	23.6	27.5	-19.77	-302.3	1,174.5	248.0	213.3	34.76	7.135	
6,500.0	6,412.1	6,491.1	6,360.7	24.0	27.9	-19.75	-307.9	1,195.1	251.9	216.5	35.34	7.128	
6,600.0	6,510.6	6,591.0	6,458.3	24.4	28.4	-19.73	-313.4	1,215.6	255.7	219.8	35.91	7.121	
6,700.0	6,609.0	6,690.9	6,556.0	24.9	28.9	-19.72	-319.0	1,236.2	259.5	223.0	36.48	7.114	
6,800.0	6,707.4	6,790.9	6,653.6	25.3	29.4	-19.70	-324.6	1,256.7	263.3	226.3	37.05	7.107	
6,900.0	6,805.8	6,890.8	6,751.2	25.7	29.8	-19.68	-330.1	1,277.2	267.2	229.5	37.62	7.101	
7,000.0	6,904.2	6,990.7	6,848.9	26.1	30.3	-19.66	-335.7	1,297.8	271.0	232.8	38.20	7.095	
7,100.0	7,002.6	7,090.6	6,946.5	26.5	30.8	-19.65	-341.2	1,318.3	274.8	236.0	38.77	7.089	
7,200.0	7,101.1	7,190.6	7,044.1	26.9	31.2	-23.85	-346.8	1,338.9	278.6	239.3	39.34	7.084	
7,300.0	7,198.6	7,290.1	7,141.3	27.3	31.7	-53.42	-352.3	1,359.3	282.8	242.4	40.33	7.011	
7,400.0	7,293.2	7,390.1	7,239.0	27.8	32.2	-69.77	-359.9	1,379.9	288.2	246.1	42.12	6.843	
7,500.0	7,383.2	7,494.5	7,338.9	28.3	32.7	-79.98	-381.0	1,401.0	295.1	251.0	44.12	6.689	
7,600.0	7,466.6	7,602.5	7,438.0	28.9	33.3	-87.16	-418.1	1,422.0	302.9	256.8	46.07	6.575	
7,700.0	7,542.0	7,714.2	7,533.5	29.6	33.9	-92.60	-472.1	1,442.3	311.2	263.4	47.83	6.506	
7,800.0	7,607.8	7,829.7	7,622.4	30.3	34.7	-96.83	-543.2	1,461.2	319.5	270.2	49.30	6.480	
7,900.0	7,662.8	7,948.9	7,701.2	31.1	35.5	-100.11	-630.9	1,478.1	327.1	276.7	50.46	6.483	
8,000.0	7,705.9	8,071.4	7,766.1	32.0	36.5	-102.56	-733.6	1,492.2	333.6	282.3	51.35	6.497	
8,100.0	7,736.2	8,196.5	7,813.9	33.0	37.5	-104.24	-848.6	1,502.7	338.5	286.5	52.06	6.503	
8,200.0	7,753.2	8,323.6	7,841.5	34.0	38.7	-105.18	-972.3	1,509.0	341.5	288.7	52.74	6.475	
8,300.0	7,757.0	8,445.3	7,848.0	35.1	39.8	-105.42	-1,093.6	1,510.8	342.2	288.3	53.89	6.350	
8,400.0	7,756.7	8,545.3	7,847.7	36.2	40.8	-105.42	-1,193.6	1,511.1	342.2	285.7	56.54	6.053	
8,500.0	7,756.5	8,645.3	7,847.5	37.4	41.8	-105.42	-1,293.6	1,511.5	342.2	282.9	59.33	5.768	
8,600.0	7,756.3	8,745.3	7,847.3	38.7	43.0	-105.41	-1,393.6	1,511.8	342.2	280.0	62.22	5.500	
8,700.0	7,756.1	8,845.3	7,847.1	40.0	44.2	-105.41	-1,493.6	1,512.1	342.2	277.0	65.20	5.249	
8,800.0	7,755.9	8,945.3	7,846.9	41.4	45.4	-105.41	-1,593.6	1,512.5	342.2	274.0	68.25	5.014	
8,900.0	7,755.7	9,045.3	7,846.7	42.8	46.7	-105.41	-1,693.6	1,512.8	342.2	270.8	71.36	4.795	
9,000.0	7,755.5	9,145.3	7,846.4	44.3	48.0	-105.41	-1,793.6	1,513.1	342.2	267.7	74.52	4.592	
9,100.0	7,755.3	9,245.3	7,846.2	45.7	49.4	-105.40	-1,893.6	1,513.5	342.2	264.5	77.74	4.402	
9,200.0	7,755.1	9,345.3	7,846.0	47.3	50.8	-105.40	-1,993.6	1,513.8	342.2	261.2	81.00	4.225	
9,300.0	7,754.9	9,445.3	7,845.8	48.8	52.3	-105.40	-2,093.6	1,514.1	342.2	257.9	84.29	4.059	
9,400.0	7,754.7	9,545.3	7,845.6	50.4	53.7	-105.40	-2,193.6	1,514.5	342.2	254.6	87.62	3.905	
9,500.0	7,754.5	9,645.3	7,845.4	52.0	55.2	-105.40	-2,293.6	1,514.8	342.2	251.2	90.98	3.761	
9,600.0	7,754.3	9,745.3	7,845.2	53.6	56.8	-105.39	-2,393.6	1,515.1	342.2	247.8	94.37	3.626	
9,700.0	7,754.1	9,845.3	7,844.9	55.2	58.3	-105.39	-2,493.6	1,515.5	342.2	244.4	97.78	3.499	
9,800.0	7,753.9	9,945.3	7,844.7	56.9	59.9	-105.39	-2,593.6	1,515.8	342.2	241.0	101.21	3.381	
9,900.0	7,753.7	10,045.3	7,844.5	58.5	61.5	-105.39	-2,693.6	1,516.1	342.2	237.5	104.66	3.269	
10,000.0	7,753.5	10,145.3	7,844.3	60.2	63.1	-105.38	-2,793.6	1,516.5	342.2	234.0	108.13	3.164	
10,100.0	7,753.3	10,245.3	7,844.1	61.9	64.7	-105.38	-2,893.6	1,516.8	342.2	230.6	111.62	3.066	
10,200.0	7,753.1	10,345.3	7,843.9	63.6	66.4	-105.38	-2,993.6	1,517.1	342.2	227.0	115.12	2.972	
10,300.0	7,752.9	10,445.3	7,843.7	65.3	68.0	-105.38	-3,093.6	1,517.5	342.2	223.5	118.63	2.884	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-14-23HN - Wellbore #1 - Plan #2 (11-5-14)													Offset Site Error:	0.0ft
Survey Program: 0-MWID													Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,400.0	7,752.7	10,545.3	7,843.4	67.1	69.7	-105.38	-3,193.6	1,517.8	342.2	220.0	122.15	2.801		
10,500.0	7,752.5	10,645.3	7,843.2	68.8	71.4	-105.37	-3,293.6	1,518.1	342.2	216.5	125.69	2.722		
10,600.0	7,752.3	10,745.3	7,843.0	70.6	73.1	-105.37	-3,393.6	1,518.5	342.2	212.9	129.23	2.648		
10,700.0	7,752.1	10,845.3	7,842.8	72.3	74.8	-105.37	-3,493.6	1,518.8	342.2	209.4	132.79	2.577		
10,800.0	7,751.9	10,945.3	7,842.6	74.1	76.5	-105.37	-3,593.6	1,519.1	342.2	205.8	136.35	2.509		
10,900.0	7,751.7	11,045.3	7,842.4	75.9	78.2	-105.36	-3,693.6	1,519.5	342.1	202.2	139.93	2.445		
11,000.0	7,751.5	11,145.3	7,842.1	77.6	79.9	-105.36	-3,793.6	1,519.8	342.1	198.6	143.50	2.384		
11,100.0	7,751.3	11,245.3	7,841.9	79.4	81.7	-105.36	-3,893.6	1,520.1	342.1	195.1	147.09	2.326		
11,200.0	7,751.1	11,345.3	7,841.7	81.2	83.4	-105.36	-3,993.6	1,520.5	342.1	191.5	150.68	2.271		
11,300.0	7,750.9	11,445.3	7,841.5	83.0	85.2	-105.36	-4,093.6	1,520.8	342.1	187.9	154.28	2.218		
11,400.0	7,750.7	11,545.3	7,841.3	84.8	86.9	-105.35	-4,193.6	1,521.1	342.1	184.3	157.89	2.167		
11,500.0	7,750.5	11,645.3	7,841.1	86.6	88.7	-105.35	-4,293.6	1,521.5	342.1	180.6	161.50	2.119		
11,600.0	7,750.3	11,745.3	7,840.9	88.4	90.5	-105.35	-4,393.6	1,521.8	342.1	177.0	165.11	2.072		
11,700.0	7,750.1	11,845.3	7,840.6	90.3	92.3	-105.35	-4,493.6	1,522.1	342.1	173.4	168.73	2.028		
11,800.0	7,749.9	11,945.3	7,840.4	92.1	94.1	-105.34	-4,593.6	1,522.5	342.1	169.8	172.35	1.985		
11,900.0	7,749.7	12,045.3	7,840.2	93.9	95.8	-105.34	-4,693.6	1,522.8	342.1	166.1	175.98	1.944		
12,000.0	7,749.5	12,145.3	7,840.0	95.7	97.6	-105.34	-4,793.6	1,523.2	342.1	162.5	179.61	1.905		
12,100.0	7,749.3	12,245.3	7,839.8	97.6	99.4	-105.34	-4,893.6	1,523.5	342.1	158.9	183.24	1.867		
12,200.0	7,749.1	12,345.3	7,839.6	99.4	101.2	-105.34	-4,993.6	1,523.8	342.1	155.2	186.88	1.831		
12,300.0	7,748.9	12,445.3	7,839.4	101.2	103.1	-105.33	-5,093.6	1,524.2	342.1	151.6	190.52	1.796		
12,400.0	7,748.7	12,545.3	7,839.1	103.1	104.9	-105.33	-5,193.6	1,524.5	342.1	147.9	194.16	1.762		
12,500.0	7,748.5	12,645.3	7,838.9	104.9	106.7	-105.33	-5,293.6	1,524.8	342.1	144.3	197.81	1.729		
12,600.0	7,748.3	12,745.3	7,838.7	106.8	108.5	-105.33	-5,393.6	1,525.2	342.1	140.6	201.46	1.698		
12,700.0	7,748.1	12,845.3	7,838.5	108.6	110.3	-105.32	-5,493.6	1,525.5	342.1	137.0	205.11	1.668		
12,800.0	7,747.9	12,945.3	7,838.3	110.5	112.2	-105.32	-5,593.6	1,525.8	342.1	133.3	208.76	1.639		
12,900.0	7,747.7	13,045.3	7,838.1	112.3	114.0	-105.32	-5,693.6	1,526.2	342.1	129.7	212.42	1.610		
13,000.0	7,747.5	13,145.3	7,837.8	114.2	115.8	-105.32	-5,793.6	1,526.5	342.1	126.0	216.08	1.583		
13,100.0	7,747.3	13,245.3	7,837.6	116.0	117.6	-105.32	-5,893.6	1,526.8	342.1	122.4	219.74	1.557		
13,200.0	7,747.1	13,345.3	7,837.4	117.9	119.5	-105.31	-5,993.6	1,527.2	342.1	118.7	223.40	1.531		
13,300.0	7,746.9	13,445.3	7,837.2	119.8	121.3	-105.31	-6,093.6	1,527.5	342.1	115.0	227.07	1.507		
13,400.0	7,746.7	13,545.3	7,837.0	121.6	123.2	-105.31	-6,193.6	1,527.8	342.1	111.4	230.73	1.483 Level 3		
13,500.0	7,746.5	13,645.3	7,836.8	123.5	125.0	-105.31	-6,293.6	1,528.2	342.1	107.7	234.40	1.459 Level 3		
13,600.0	7,746.3	13,745.3	7,836.6	125.3	126.9	-105.30	-6,393.6	1,528.5	342.1	104.0	238.07	1.437 Level 3		
13,700.0	7,746.1	13,845.3	7,836.3	127.2	128.7	-105.30	-6,493.6	1,528.8	342.1	100.3	241.74	1.415 Level 3		
13,800.0	7,745.9	13,945.3	7,836.1	129.1	130.6	-105.30	-6,593.6	1,529.2	342.1	96.7	245.41	1.394 Level 3		
13,900.0	7,745.7	14,045.3	7,835.9	131.0	132.4	-105.30	-6,693.6	1,529.5	342.1	93.0	249.09	1.373 Level 3		
14,000.0	7,745.5	14,145.3	7,835.7	132.8	134.3	-105.30	-6,793.6	1,529.8	342.1	89.3	252.76	1.353 Level 3		
14,100.0	7,745.3	14,245.3	7,835.5	134.7	136.1	-105.29	-6,893.6	1,530.2	342.1	85.6	256.44	1.334 Level 3		
14,200.0	7,745.1	14,345.3	7,835.3	136.6	138.0	-105.29	-6,993.6	1,530.5	342.1	82.0	260.12	1.315 Level 3		
14,300.0	7,744.9	14,445.3	7,835.1	138.4	139.8	-105.29	-7,093.6	1,530.8	342.1	78.3	263.79	1.297 Level 3		
14,400.0	7,744.7	14,545.3	7,834.8	140.3	141.7	-105.29	-7,193.6	1,531.2	342.1	74.6	267.47	1.279 Level 3		
14,500.0	7,744.5	14,645.3	7,834.6	142.2	143.6	-105.28	-7,293.6	1,531.5	342.1	70.9	271.16	1.262 Level 3		
14,600.0	7,744.3	14,745.3	7,834.4	144.1	145.4	-105.28	-7,393.6	1,531.8	342.1	67.2	274.84	1.245 Level 2		
14,700.0	7,744.1	14,845.3	7,834.2	146.0	147.3	-105.28	-7,493.6	1,532.2	342.1	63.5	278.52	1.228 Level 2		
14,800.0	7,743.8	14,945.3	7,834.0	147.8	149.2	-105.28	-7,593.6	1,532.5	342.1	59.9	282.21	1.212 Level 2		
14,900.0	7,743.6	15,045.3	7,833.8	149.7	151.0	-105.28	-7,693.6	1,532.8	342.1	56.2	285.89	1.196 Level 2		
15,000.0	7,743.4	15,145.3	7,833.5	151.6	152.9	-105.27	-7,793.6	1,533.2	342.1	52.5	289.58	1.181 Level 2		
15,100.0	7,743.2	15,245.3	7,833.3	153.5	154.8	-105.27	-7,893.6	1,533.5	342.0	48.8	293.26	1.166 Level 2		
15,200.0	7,743.0	15,345.3	7,833.1	155.4	156.6	-105.27	-7,993.6	1,533.8	342.0	45.1	296.95	1.152 Level 2		
15,300.0	7,742.8	15,445.3	7,832.9	157.2	158.5	-105.27	-8,093.6	1,534.2	342.0	41.4	300.64	1.138 Level 2		
15,400.0	7,742.6	15,545.3	7,832.7	159.1	160.4	-105.26	-8,193.6	1,534.5	342.0	37.7	304.33	1.124 Level 2		
15,500.0	7,742.4	15,645.3	7,832.5	161.0	162.2	-105.26	-8,293.6	1,534.8	342.0	34.0	308.02	1.110 Level 2		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-14-23HN - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
15,600.0	7,742.2	15,745.3	7,832.3	162.9	164.1	-105.26	-8,393.6	1,535.2	342.0	30.3	311.71	1.097	Level 2
15,700.0	7,742.0	15,845.3	7,832.0	164.8	166.0	-105.26	-8,493.6	1,535.5	342.0	26.6	315.40	1.084	Level 2
15,717.4	7,742.0	15,862.6	7,832.0	165.1	166.3	-105.26	-8,510.9	1,535.6	342.0	26.1	315.98	1.082	Level 2, SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	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	Offset	Semi Major Axis		Distance										Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	33.35	431.3	283.9	516.4					
100.0	100.0	97.0	97.0	0.1	0.1	33.35	431.3	283.9	516.4	516.1	0.22	2,332.271		
200.0	200.0	197.0	197.0	0.3	0.3	33.35	431.3	283.9	516.4	515.7	0.67	773.518		
300.0	300.0	316.7	316.6	0.6	0.6	33.26	429.9	282.0	514.5	513.4	1.14	450.548		
400.0	400.0	436.5	436.3	0.8	0.8	32.97	425.5	276.0	508.7	507.1	1.63	311.569		
500.0	500.0	555.6	554.7	1.0	1.2	32.47	418.3	266.2	499.1	496.9	2.16	230.971		
600.0	600.0	673.4	671.2	1.2	1.5	31.74	408.2	252.5	485.7	482.9	2.73	178.102		
700.0	700.0	789.4	785.2	1.4	2.0	-78.25	395.5	235.2	468.2	465.0	3.19	146.652		
800.0	799.8	896.9	890.1	1.6	2.5	-80.63	381.5	216.1	447.0	443.2	3.73	119.918		
900.0	899.5	992.7	983.4	1.9	2.9	-83.51	368.4	198.4	425.0	420.8	4.26	99.735		
1,000.0	998.7	1,087.7	1,075.8	2.1	3.4	-87.09	355.5	180.9	403.7	398.9	4.86	83.054		
1,100.0	1,097.5	1,181.8	1,167.4	2.4	3.8	-91.41	342.8	163.5	383.9	378.3	5.55	69.203		
1,200.0	1,195.9	1,275.3	1,258.4	2.7	4.3	-96.01	330.1	146.2	366.2	359.9	6.30	58.091		
1,300.0	1,294.3	1,368.7	1,349.3	3.1	4.7	-100.94	317.4	129.0	351.4	344.2	7.12	49.344		
1,400.0	1,392.7	1,462.2	1,440.3	3.5	5.2	-106.22	304.7	111.7	339.6	331.6	7.98	42.566		
1,500.0	1,491.1	1,555.6	1,531.3	3.8	5.7	-111.79	292.0	94.4	331.2	322.3	8.86	37.400		
1,600.0	1,589.6	1,649.1	1,622.2	4.2	6.1	-117.55	279.3	77.2	326.5	316.8	9.73	33.546		
1,671.6	1,660.1	1,716.0	1,687.4	4.5	6.5	-121.73	270.2	64.8	325.5	315.2	10.35	31.450		
1,700.0	1,688.0	1,742.5	1,713.2	4.6	6.6	-123.39	266.6	59.9	325.7	315.1	10.59	30.755		
1,800.0	1,786.4	1,836.0	1,804.2	5.0	7.1	-129.21	253.9	42.7	328.7	317.3	11.41	28.821		
1,900.0	1,884.8	1,929.4	1,895.1	5.4	7.5	-134.87	241.2	25.4	335.5	323.3	12.17	27.571		
2,000.0	1,983.2	2,022.9	1,986.1	5.8	8.0	-140.28	228.5	8.1	345.9	333.0	12.88	26.860		
2,100.0	2,081.7	2,116.3	2,077.0	6.2	8.4	-145.37	215.8	-9.1	359.5	345.9	13.53	26.568		
2,200.0	2,180.1	2,209.8	2,168.0	6.6	8.9	-150.09	203.1	-26.4	375.9	361.8	14.14	26.593		
2,300.0	2,278.5	2,303.2	2,259.0	7.0	9.4	-154.43	190.5	-43.6	394.9	380.2	14.71	26.857		
2,400.0	2,376.9	2,396.7	2,349.9	7.4	9.8	-158.39	177.8	-60.9	416.1	400.9	15.25	27.292		
2,500.0	2,475.3	2,490.1	2,440.9	7.8	10.3	-161.98	165.1	-78.2	439.2	423.4	15.77	27.848		
2,600.0	2,573.8	2,583.6	2,531.9	8.2	10.8	-165.22	152.4	-95.4	463.8	447.5	16.28	28.486		
2,700.0	2,672.2	2,677.1	2,622.8	8.6	11.3	-168.15	139.7	-112.7	489.8	473.0	16.79	29.176		
2,800.0	2,770.6	2,770.5	2,713.8	9.0	11.7	-170.79	127.0	-130.0	516.9	499.6	17.29	29.894		
2,900.0	2,869.0	2,864.0	2,804.8	9.4	12.2	-173.18	114.3	-147.2	545.0	527.2	17.80	30.624		
3,000.0	2,967.4	2,957.4	2,895.7	9.8	12.7	-175.35	101.6	-164.5	574.0	555.7	18.31	31.354		
3,100.0	3,065.9	3,050.9	2,986.7	10.2	13.1	-177.31	88.9	-181.7	603.6	584.8	18.82	32.076		
3,200.0	3,164.3	3,144.3	3,077.7	10.6	13.6	-179.10	76.2	-199.0	633.9	614.5	19.34	32.784		
3,300.0	3,262.7	3,237.8	3,168.6	11.0	14.1	-179.28	63.5	-216.3	664.7	644.8	19.86	33.473		
3,400.0	3,361.1	3,331.2	3,259.6	11.4	14.5	-177.79	50.8	-233.5	695.9	675.5	20.38	34.141		
3,500.0	3,459.5	3,424.7	3,350.5	11.8	15.0	-176.43	38.1	-250.8	727.5	706.6	20.91	34.787		
3,600.0	3,558.0	3,518.1	3,441.5	12.2	15.5	-175.18	25.4	-268.1	759.5	738.1	21.45	35.410		
3,700.0	3,656.4	3,611.6	3,532.5	12.6	15.9	-174.03	12.8	-285.3	791.8	769.9	21.99	36.010		
3,800.0	3,754.8	3,705.0	3,623.4	13.0	16.4	-172.96	0.1	-302.6	824.4	801.9	22.53	36.586		
3,900.0	3,853.2	3,798.5	3,714.4	13.4	16.9	-171.98	-12.6	-319.8	857.2	834.1	23.08	37.140		
4,000.0	3,951.6	3,892.0	3,805.4	13.8	17.3	-171.07	-25.3	-337.1	890.2	866.6	23.63	37.671		
4,100.0	4,050.1	3,985.4	3,896.3	14.2	17.8	-170.22	-38.0	-354.4	923.5	899.3	24.19	38.181		
4,200.0	4,148.5	4,078.9	3,987.3	14.7	18.3	-169.43	-50.7	-371.6	956.8	932.1	24.74	38.671		
4,300.0	4,246.9	4,172.3	4,078.3	15.1	18.7	-168.69	-63.4	-388.9	990.4	965.1	25.30	39.141		
6,900.0	6,805.8	9,487.0	7,750.0	25.7	48.4	152.20	-416.9	1,018.8	950.5	907.0	43.51	21.845		
7,000.0	6,904.2	9,503.5	7,749.9	26.1	48.8	151.14	-417.0	1,035.3	851.9	807.6	44.27	19.243		
7,100.0	7,002.6	9,520.0	7,749.9	26.5	49.2	149.82	-417.0	1,051.8	753.3	708.1	45.18	16.672		
7,200.0	7,101.1	9,536.5	7,749.8	26.9	49.6	148.67	-417.1	1,068.3	654.7	610.5	44.27	14.788		
7,300.0	7,198.6	9,552.9	7,749.8	27.3	50.0	165.35	-417.1	1,084.7	556.3	503.8	52.45	10.606		
7,400.0	7,293.2	9,568.9	7,749.7	27.8	50.4	177.27	-417.2	1,100.7	459.9	395.2	64.79	7.099		
7,500.0	7,383.2	9,584.2	7,749.7	28.3	50.8	-177.89	-417.2	1,116.0	370.0	303.0	66.98	5.525		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	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	Offset	Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
7,600.0	7,466.6	9,598.5	7,749.6	28.9	51.1	-175.55	-417.3	1,130.3	295.1	230.0	65.07	4.534	
7,700.0	7,542.0	9,611.6	7,749.6	29.6	51.4	-174.13	-417.3	1,143.4	251.2	190.0	61.12	4.109 SF	
7,740.8	7,570.1	9,616.5	7,749.5	29.9	51.5	-173.67	-417.3	1,148.3	246.7	187.6	59.11	4.174 CC, ES	
7,800.0	7,607.8	9,623.1	7,749.5	30.3	51.7	-173.06	-417.3	1,154.9	256.0	200.1	55.89	4.581	
7,900.0	7,662.8	9,632.9	7,749.5	31.1	51.9	-172.12	-417.4	1,164.7	307.4	257.5	49.87	6.164	
8,000.0	7,705.9	9,640.7	7,749.5	32.0	52.1	-171.11	-417.4	1,172.5	386.6	343.1	43.59	8.871	
8,100.0	7,736.2	9,646.5	7,749.4	33.0	52.3	-169.73	-417.4	1,178.2	479.1	441.4	37.74	12.694	
8,200.0	7,753.2	9,650.0	7,749.4	34.0	52.4	-166.25	-417.4	1,181.8	577.2	543.5	33.73	17.114	
8,300.0	7,757.0	9,651.3	7,749.4	35.1	52.4	-37.08	-417.4	1,183.1	677.1	638.7	38.39	17.638	
8,400.0	7,756.7	9,652.0	7,749.4	36.2	52.4	-40.95	-417.4	1,183.8	777.1	736.3	40.83	19.035	
8,500.0	7,756.5	9,652.6	7,749.4	37.4	52.4	-44.40	-417.4	1,184.4	877.1	833.9	43.26	20.275	
8,600.0	7,756.3	9,653.3	7,749.4	38.7	52.4	-47.49	-417.4	1,185.1	977.1	931.4	45.67	21.394	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey P-14-23HN - Wellbore #1 - Plan #2 (11-5-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance		Warning								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	22.54	27.7	11.5	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	22.54	27.7	11.5	30.0	29.7	0.22	133.347		
200.0	200.0	200.0	200.0	0.3	0.3	22.54	27.7	11.5	30.0	29.3	0.67	44.449 CC		
300.0	300.0	299.8	299.8	0.6	0.5	25.79	27.3	13.2	30.3	29.2	1.11	27.266 ES		
400.0	400.0	399.3	399.2	0.8	0.8	34.93	26.1	18.2	31.9	30.3	1.56	20.488		
500.0	500.0	498.4	497.9	1.0	1.0	47.74	24.2	26.6	36.0	34.0	2.01	17.925		
600.0	600.0	596.8	595.5	1.2	1.3	60.62	21.5	38.2	44.1	41.6	2.48	17.767		
700.0	700.0	694.4	692.0	1.4	1.6	-38.23	18.1	53.0	55.2	52.2	2.96	18.633		
800.0	799.8	791.7	787.5	1.6	2.0	-32.23	14.0	70.8	67.4	63.9	3.41	19.734		
900.0	899.5	888.5	881.9	1.9	2.4	-28.31	9.2	91.7	80.1	76.2	3.88	20.625		
1,000.0	998.7	986.5	976.8	2.1	2.9	-25.75	3.7	115.5	92.6	88.2	4.37	21.166		
1,100.0	1,097.5	1,086.0	1,073.1	2.4	3.4	-24.52	-2.0	140.0	102.3	97.4	4.89	20.942		
1,200.0	1,195.9	1,185.7	1,169.5	2.7	3.9	-24.00	-7.6	164.5	110.2	104.8	5.43	20.292		
1,300.0	1,294.3	1,285.4	1,266.0	3.1	4.5	-23.55	-13.3	189.0	118.2	112.2	5.99	19.729		
1,400.0	1,392.7	1,385.1	1,362.5	3.5	5.0	-23.17	-18.9	213.5	126.1	119.5	6.55	19.237		
1,500.0	1,491.1	1,484.7	1,458.9	3.8	5.5	-22.83	-24.6	238.0	134.0	126.9	7.12	18.813		
1,600.0	1,589.6	1,584.4	1,555.4	4.2	6.1	-22.52	-30.2	262.5	141.9	134.2	7.69	18.446		
1,700.0	1,688.0	1,684.1	1,651.8	4.6	6.6	-22.25	-35.9	287.0	149.8	141.6	8.27	18.125		
1,800.0	1,786.4	1,783.8	1,748.3	5.0	7.1	-22.01	-41.5	311.5	157.7	148.9	8.84	17.842		
1,900.0	1,884.8	1,883.5	1,844.7	5.4	7.7	-21.79	-47.2	336.1	165.7	156.3	9.42	17.591		
2,000.0	1,983.2	1,983.2	1,941.2	5.8	8.2	-21.59	-52.8	360.6	173.6	163.6	10.00	17.368		
2,100.0	2,081.7	2,082.8	2,037.7	6.2	8.8	-21.40	-58.5	385.1	181.5	171.0	10.57	17.168		
2,200.0	2,180.1	2,182.5	2,134.1	6.6	9.3	-21.24	-64.1	409.6	189.5	178.3	11.15	16.988		
2,300.0	2,278.5	2,282.2	2,230.6	7.0	9.8	-21.08	-69.8	434.1	197.4	185.7	11.73	16.825		
2,400.0	2,376.9	2,381.9	2,327.0	7.4	10.4	-20.94	-75.5	458.6	205.3	193.0	12.31	16.677		
2,500.0	2,475.3	2,481.6	2,423.5	7.8	10.9	-20.81	-81.1	483.1	213.3	200.4	12.89	16.542		
2,600.0	2,573.8	2,581.3	2,519.9	8.2	11.5	-20.69	-86.8	507.6	221.2	207.7	13.47	16.418		
2,700.0	2,672.2	2,680.9	2,616.4	8.6	12.0	-20.57	-92.4	532.1	229.2	215.1	14.05	16.305		
2,800.0	2,770.6	2,780.6	2,712.9	9.0	12.5	-20.47	-98.1	556.6	237.1	222.5	14.64	16.200		
2,900.0	2,869.0	2,880.3	2,809.3	9.4	13.1	-20.37	-103.7	581.1	245.0	229.8	15.22	16.103		
3,000.0	2,967.4	2,980.0	2,905.8	9.8	13.6	-20.27	-109.4	605.7	253.0	237.2	15.80	16.013		
3,100.0	3,065.9	3,079.7	3,002.2	10.2	14.2	-20.19	-115.0	630.2	260.9	244.5	16.38	15.929		
3,200.0	3,164.3	3,179.4	3,098.7	10.6	14.7	-20.10	-120.7	654.7	268.9	251.9	16.96	15.851		
3,300.0	3,262.7	3,279.0	3,195.2	11.0	15.3	-20.03	-126.3	679.2	276.8	259.3	17.54	15.778		
3,400.0	3,361.1	3,378.7	3,291.6	11.4	15.8	-19.95	-132.0	703.7	284.8	266.6	18.13	15.710		
3,500.0	3,459.5	3,478.4	3,388.1	11.8	16.3	-19.88	-137.6	728.2	292.7	274.0	18.71	15.646		
3,600.0	3,558.0	3,578.1	3,484.5	12.2	16.9	-19.82	-143.3	752.7	300.6	281.4	19.29	15.586		
3,700.0	3,656.4	3,677.8	3,581.0	12.6	17.4	-19.76	-149.0	777.2	308.6	288.7	19.87	15.529		
3,800.0	3,754.8	3,777.5	3,677.4	13.0	18.0	-19.70	-154.6	801.7	316.5	296.1	20.45	15.475		
3,900.0	3,853.2	3,877.1	3,773.9	13.4	18.5	-19.64	-160.3	826.2	324.5	303.4	21.04	15.425		
4,000.0	3,951.6	3,976.8	3,870.4	13.8	19.1	-19.59	-165.9	850.7	332.4	310.8	21.62	15.377		
4,100.0	4,050.1	4,076.5	3,966.8	14.2	19.6	-19.54	-171.6	875.3	340.4	318.2	22.20	15.331		
4,200.0	4,148.5	4,176.2	4,063.3	14.7	20.1	-19.49	-177.2	899.8	348.3	325.5	22.78	15.288		
4,300.0	4,246.9	4,275.9	4,159.7	15.1	20.7	-19.44	-182.9	924.3	356.3	332.9	23.37	15.247		
4,400.0	4,345.3	4,375.6	4,256.2	15.5	21.2	-19.40	-188.5	948.8	364.2	340.3	23.95	15.209		
4,500.0	4,443.7	4,475.2	4,352.6	15.9	21.8	-19.35	-194.2	973.3	372.2	347.6	24.53	15.171		
4,600.0	4,542.2	4,574.9	4,449.1	16.3	22.3	-19.31	-199.8	997.8	380.1	355.0	25.11	15.136		
4,700.0	4,640.6	4,674.6	4,545.6	16.7	22.9	-19.28	-205.5	1,022.3	388.1	362.4	25.70	15.102		
4,800.0	4,739.0	4,774.3	4,642.0	17.1	23.4	-19.24	-211.1	1,046.8	396.0	369.7	26.28	15.070		
4,900.0	4,837.4	4,874.0	4,738.5	17.5	23.9	-19.20	-216.8	1,071.3	404.0	377.1	26.86	15.039		
5,000.0	4,935.8	4,973.6	4,834.9	17.9	24.5	-19.17	-222.4	1,095.8	411.9	384.5	27.44	15.009		
5,100.0	5,034.3	5,073.3	4,931.4	18.3	25.0	-19.13	-228.1	1,120.3	419.9	391.8	28.03	14.981		

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

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Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey P-14-23HN - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,132.7	5,173.0	5,027.9	18.7	25.6	-19.10	-233.8	1,144.8	427.8	399.2	28.61	14.954	
5,300.0	5,231.1	5,272.7	5,124.3	19.1	26.1	-19.07	-239.4	1,169.4	435.8	406.6	29.19	14.928	
5,400.0	5,329.5	5,372.4	5,220.8	19.5	26.7	-19.04	-245.1	1,193.9	443.7	413.9	29.77	14.903	
5,500.0	5,427.9	5,472.1	5,317.2	20.0	27.2	-19.01	-250.7	1,218.4	451.6	421.3	30.36	14.878	
5,600.0	5,526.4	5,571.7	5,413.7	20.4	27.7	-18.98	-256.4	1,242.9	459.6	428.7	30.94	14.855	
5,700.0	5,624.8	5,671.4	5,510.1	20.8	28.3	-18.96	-262.0	1,267.4	467.5	436.0	31.52	14.833	
5,800.0	5,723.2	5,771.1	5,606.6	21.2	28.8	-18.93	-267.7	1,291.9	475.5	443.4	32.10	14.811	
5,900.0	5,821.6	5,870.8	5,703.1	21.6	29.4	-18.91	-273.3	1,316.4	483.4	450.8	32.69	14.790	
6,000.0	5,920.0	5,970.5	5,799.5	22.0	29.9	-18.88	-279.0	1,340.9	491.4	458.1	33.27	14.770	
6,100.0	6,018.5	6,070.2	5,896.0	22.4	30.5	-18.86	-284.6	1,365.4	499.3	465.5	33.85	14.751	
6,200.0	6,116.9	6,169.8	5,992.4	22.8	31.0	-18.84	-290.3	1,389.9	507.3	472.9	34.43	14.732	
6,300.0	6,215.3	6,269.5	6,088.9	23.2	31.6	-18.81	-295.9	1,414.4	515.2	480.2	35.02	14.714	
6,400.0	6,313.7	6,369.2	6,185.3	23.6	32.1	-18.79	-301.6	1,439.0	523.2	487.6	35.60	14.697	
6,500.0	6,412.1	6,468.9	6,281.8	24.0	32.6	-18.77	-307.3	1,463.5	531.1	495.0	36.18	14.680	
6,600.0	6,510.6	6,568.6	6,378.3	24.4	33.2	-18.75	-312.9	1,488.0	539.1	502.3	36.77	14.663	
6,700.0	6,609.0	6,668.3	6,474.7	24.9	33.7	-18.73	-318.6	1,512.5	547.0	509.7	37.35	14.647	
6,800.0	6,707.4	6,767.9	6,571.2	25.3	34.3	-18.71	-324.2	1,537.0	555.0	517.1	37.93	14.632	
6,900.0	6,805.8	6,867.6	6,667.6	25.7	34.8	-18.69	-329.9	1,561.5	562.9	524.4	38.51	14.617	
7,000.0	6,904.2	6,967.3	6,764.1	26.1	35.4	-18.68	-335.5	1,586.0	570.9	531.8	39.10	14.602	
7,100.0	7,002.6	7,067.0	6,860.5	26.5	35.9	-18.66	-341.2	1,610.5	578.8	539.2	39.68	14.588	
7,200.0	7,101.1	7,166.7	6,957.0	26.9	36.4	-22.82	-346.8	1,635.0	586.8	546.6	40.24	14.581	
7,300.0	7,198.6	7,265.9	7,053.1	27.3	37.0	-51.19	-352.5	1,659.4	594.8	553.9	40.90	14.542	
7,400.0	7,293.2	7,365.4	7,149.2	27.8	37.5	-65.22	-359.7	1,683.9	603.3	561.3	42.01	14.361	
7,500.0	7,383.2	7,469.3	7,247.9	28.3	38.1	-73.14	-380.0	1,709.0	612.2	568.9	43.33	14.127	
7,600.0	7,466.6	7,576.9	7,345.9	28.9	38.7	-78.26	-416.2	1,734.0	621.3	576.4	44.84	13.856	
7,700.0	7,542.0	7,688.5	7,440.8	29.6	39.4	-81.89	-469.3	1,758.3	630.1	583.6	46.49	13.553	
7,800.0	7,607.8	7,804.0	7,529.4	30.3	40.2	-84.60	-539.7	1,781.1	638.5	590.2	48.27	13.227	
7,900.0	7,662.8	7,923.5	7,608.3	31.1	41.0	-86.66	-626.9	1,801.4	645.9	595.8	50.16	12.878	
8,000.0	7,705.9	8,046.5	7,673.7	32.0	41.9	-88.18	-729.6	1,818.4	652.1	600.0	52.11	12.513	
8,100.0	7,736.2	8,172.6	7,722.0	33.0	42.9	-89.23	-845.1	1,831.1	656.7	602.5	54.14	12.128	
8,200.0	7,753.2	8,300.7	7,750.2	34.0	44.0	-89.84	-969.7	1,838.8	659.4	603.1	56.23	11.726	
8,300.0	7,757.0	8,423.7	7,757.0	35.1	45.0	-90.00	-1,092.4	1,841.0	660.1	601.6	58.46	11.291	
8,400.0	7,756.7	8,523.7	7,756.8	36.2	45.8	-90.00	-1,192.4	1,841.3	660.1	598.9	61.15	10.794	
8,500.0	7,756.5	8,623.7	7,756.6	37.4	46.8	-90.00	-1,292.4	1,841.6	660.1	596.0	64.04	10.306	
8,600.0	7,756.3	8,723.7	7,756.4	38.7	47.8	-90.00	-1,392.4	1,842.0	660.1	593.0	67.03	9.848	
8,700.0	7,756.1	8,823.7	7,756.2	40.0	48.9	-90.00	-1,492.4	1,842.3	660.1	590.0	70.09	9.417	
8,800.0	7,755.9	8,923.7	7,756.0	41.4	50.0	-90.00	-1,592.4	1,842.6	660.1	586.8	73.23	9.013	
8,900.0	7,755.7	9,023.7	7,755.7	42.8	51.2	-90.00	-1,692.4	1,843.0	660.1	583.6	76.44	8.635	
9,000.0	7,755.5	9,123.7	7,755.5	44.3	52.4	-90.00	-1,792.4	1,843.3	660.0	580.4	79.69	8.282	
9,100.0	7,755.3	9,223.7	7,755.3	45.7	53.6	-90.00	-1,892.4	1,843.6	660.0	577.0	83.00	7.952	
9,200.0	7,755.1	9,323.7	7,755.1	47.3	54.9	-90.00	-1,992.4	1,843.9	660.0	573.7	86.35	7.644	
9,300.0	7,754.9	9,423.7	7,754.9	48.8	56.3	-90.00	-2,092.4	1,844.3	660.0	570.3	89.74	7.355	
9,400.0	7,754.7	9,523.7	7,754.7	50.4	57.6	-90.00	-2,192.4	1,844.6	660.0	566.9	93.16	7.085	
9,500.0	7,754.5	9,623.7	7,754.5	52.0	59.0	-90.00	-2,292.4	1,844.9	660.0	563.4	96.61	6.832	
9,600.0	7,754.3	9,723.7	7,754.3	53.6	60.4	-90.00	-2,392.4	1,845.3	660.0	559.9	100.10	6.594	
9,700.0	7,754.1	9,823.7	7,754.1	55.2	61.9	-90.00	-2,492.4	1,845.6	660.0	556.4	103.60	6.371	
9,800.0	7,753.9	9,923.7	7,753.9	56.9	63.4	-90.00	-2,592.3	1,845.9	660.0	552.9	107.13	6.161	
9,900.0	7,753.7	10,023.7	7,753.7	58.5	64.9	-90.00	-2,692.3	1,846.3	660.0	549.4	110.68	5.964	
10,000.0	7,753.5	10,123.7	7,753.5	60.2	66.4	-90.00	-2,792.3	1,846.6	660.0	545.8	114.24	5.777	
10,100.0	7,753.3	10,223.7	7,753.3	61.9	67.9	-90.00	-2,892.3	1,846.9	660.0	542.2	117.83	5.602	
10,200.0	7,753.1	10,323.7	7,753.1	63.6	69.5	-90.00	-2,992.3	1,847.3	660.0	538.6	121.43	5.436	
10,300.0	7,752.9	10,423.7	7,752.9	65.3	71.1	-90.00	-3,092.3	1,847.6	660.0	535.0	125.04	5.279	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey P-14-23HN - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWDD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	7,752.7	10,523.7	7,752.7	67.1	72.7	-90.00	-3,192.3	1,847.9	660.0	531.4	128.66	5.130	
10,500.0	7,752.5	10,623.7	7,752.5	68.8	74.3	-90.00	-3,292.3	1,848.3	660.0	527.7	132.30	4.989	
10,600.0	7,752.3	10,723.7	7,752.3	70.6	75.9	-90.00	-3,392.3	1,848.6	660.0	524.1	135.95	4.855	
10,700.0	7,752.1	10,823.7	7,752.1	72.3	77.5	-90.00	-3,492.3	1,848.9	660.0	520.4	139.60	4.728	
10,800.0	7,751.9	10,923.7	7,751.9	74.1	79.2	-90.00	-3,592.3	1,849.2	660.0	516.8	143.27	4.607	
10,900.0	7,751.7	11,023.7	7,751.7	75.9	80.9	-90.00	-3,692.3	1,849.6	660.0	513.1	146.95	4.492	
11,000.0	7,751.5	11,123.7	7,751.5	77.6	82.5	-90.00	-3,792.3	1,849.9	660.0	509.4	150.63	4.382	
11,100.0	7,751.3	11,223.7	7,751.3	79.4	84.2	-90.00	-3,892.3	1,850.2	660.0	505.7	154.32	4.277	
11,200.0	7,751.1	11,323.7	7,751.1	81.2	85.9	-90.00	-3,992.3	1,850.6	660.0	502.0	158.02	4.177	
11,300.0	7,750.9	11,423.7	7,750.9	83.0	87.6	-90.00	-4,092.3	1,850.9	660.0	498.3	161.72	4.081	
11,400.0	7,750.7	11,523.7	7,750.7	84.8	89.3	-90.00	-4,192.3	1,851.2	660.0	494.6	165.43	3.990	
11,500.0	7,750.5	11,623.7	7,750.5	86.6	91.1	-90.00	-4,292.3	1,851.6	660.0	490.9	169.14	3.902	
11,600.0	7,750.3	11,723.7	7,750.3	88.4	92.8	-90.00	-4,392.3	1,851.9	660.0	487.2	172.86	3.818	
11,700.0	7,750.1	11,823.7	7,750.1	90.3	94.5	-90.00	-4,492.3	1,852.2	660.0	483.4	176.59	3.738	
11,800.0	7,749.9	11,923.7	7,749.9	92.1	96.3	-90.00	-4,592.3	1,852.6	660.0	479.7	180.31	3.660	
11,900.0	7,749.7	12,023.7	7,749.7	93.9	98.0	-90.00	-4,692.3	1,852.9	660.0	476.0	184.05	3.586	
12,000.0	7,749.5	12,123.7	7,749.5	95.7	99.8	-90.00	-4,792.3	1,853.2	660.0	472.2	187.78	3.515	
12,100.0	7,749.3	12,223.7	7,749.3	97.6	101.5	-90.00	-4,892.3	1,853.6	660.0	468.5	191.52	3.446	
12,200.0	7,749.1	12,323.7	7,749.1	99.4	103.3	-90.00	-4,992.3	1,853.9	660.0	464.7	195.27	3.380	
12,300.0	7,748.9	12,423.7	7,748.9	101.2	105.1	-90.00	-5,092.3	1,854.2	660.0	461.0	199.02	3.316	
12,400.0	7,748.7	12,523.7	7,748.7	103.1	106.9	-90.00	-5,192.3	1,854.5	660.0	457.2	202.77	3.255	
12,500.0	7,748.5	12,623.7	7,748.5	104.9	108.7	-90.00	-5,292.3	1,854.9	660.0	453.5	206.52	3.196	
12,600.0	7,748.3	12,723.7	7,748.3	106.8	110.4	-90.00	-5,392.3	1,855.2	660.0	449.7	210.28	3.139	
12,700.0	7,748.1	12,823.7	7,748.1	108.6	112.2	-90.00	-5,492.3	1,855.5	660.0	446.0	214.04	3.084	
12,800.0	7,747.9	12,923.7	7,747.9	110.5	114.0	-90.00	-5,592.3	1,855.9	660.0	442.2	217.80	3.030	
12,900.0	7,747.7	13,023.7	7,747.7	112.3	115.8	-90.00	-5,692.3	1,856.2	660.0	438.4	221.56	2.979	
13,000.0	7,747.5	13,123.7	7,747.5	114.2	117.6	-90.00	-5,792.3	1,856.5	660.0	434.7	225.33	2.929	
13,100.0	7,747.3	13,223.7	7,747.3	116.0	119.4	-90.00	-5,892.3	1,856.9	660.0	430.9	229.10	2.881	
13,200.0	7,747.1	13,323.7	7,747.1	117.9	121.2	-90.00	-5,992.3	1,857.2	660.0	427.1	232.87	2.834	
13,300.0	7,746.9	13,423.7	7,746.9	119.8	123.1	-90.00	-6,092.3	1,857.5	660.0	423.3	236.64	2.789	
13,400.0	7,746.7	13,523.7	7,746.7	121.6	124.9	-90.00	-6,192.3	1,857.9	660.0	419.6	240.42	2.745	
13,500.0	7,746.5	13,623.7	7,746.5	123.5	126.7	-90.00	-6,292.3	1,858.2	660.0	415.8	244.19	2.703	
13,600.0	7,746.3	13,723.7	7,746.3	125.3	128.5	-90.00	-6,392.3	1,858.5	660.0	412.0	247.97	2.662	
13,700.0	7,746.1	13,823.7	7,746.1	127.2	130.3	-90.00	-6,492.3	1,858.9	660.0	408.2	251.75	2.622	
13,800.0	7,745.9	13,923.7	7,745.9	129.1	132.2	-90.00	-6,592.3	1,859.2	660.0	404.5	255.53	2.583	
13,900.0	7,745.7	14,023.7	7,745.7	131.0	134.0	-90.00	-6,692.3	1,859.5	660.0	400.7	259.31	2.545	
14,000.0	7,745.5	14,123.7	7,745.5	132.8	135.8	-90.00	-6,792.3	1,859.8	660.0	396.9	263.10	2.508	
14,100.0	7,745.3	14,223.7	7,745.3	134.7	137.7	-90.00	-6,892.3	1,860.2	660.0	393.1	266.88	2.473	
14,200.0	7,745.1	14,323.7	7,745.1	136.6	139.5	-90.00	-6,992.3	1,860.5	660.0	389.3	270.67	2.438	
14,300.0	7,744.9	14,423.7	7,744.9	138.4	141.4	-90.00	-7,092.3	1,860.8	660.0	385.5	274.46	2.405	
14,400.0	7,744.7	14,523.7	7,744.7	140.3	143.2	-90.00	-7,192.3	1,861.2	660.0	381.7	278.25	2.372	
14,500.0	7,744.5	14,623.7	7,744.5	142.2	145.0	-90.00	-7,292.3	1,861.5	660.0	377.9	282.04	2.340	
14,600.0	7,744.3	14,723.7	7,744.3	144.1	146.9	-90.00	-7,392.3	1,861.8	660.0	374.1	285.83	2.309	
14,700.0	7,744.1	14,823.7	7,744.1	146.0	148.7	-90.00	-7,492.3	1,862.2	660.0	370.3	289.62	2.279	
14,800.0	7,743.8	14,923.7	7,743.8	147.8	150.6	-90.00	-7,592.3	1,862.5	660.0	366.6	293.42	2.249	
14,900.0	7,743.6	15,023.7	7,743.6	149.7	152.4	-90.00	-7,692.3	1,862.8	660.0	362.8	297.21	2.221	
15,000.0	7,743.4	15,123.7	7,743.4	151.6	154.3	-90.00	-7,792.3	1,863.2	660.0	359.0	301.01	2.193	
15,100.0	7,743.2	15,223.7	7,743.2	153.5	156.1	-90.00	-7,892.3	1,863.5	660.0	355.2	304.80	2.165	
15,200.0	7,743.0	15,323.7	7,743.0	155.4	158.0	-90.00	-7,992.3	1,863.8	660.0	351.4	308.60	2.139	
15,300.0	7,742.8	15,423.7	7,742.8	157.2	159.9	-90.00	-8,092.3	1,864.2	660.0	347.6	312.40	2.113	
15,400.0	7,742.6	15,523.7	7,742.6	159.1	161.7	-90.00	-8,192.3	1,864.5	660.0	343.8	316.20	2.087	
15,500.0	7,742.4	15,623.7	7,742.4	161.0	163.6	-90.00	-8,292.3	1,864.8	660.0	340.0	320.00	2.062	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey P-14-23HN - Wellbore #1 - Plan #2 (11-5-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,600.0	7,742.2	15,723.7	7,742.3	162.9	165.4	-90.00	-8,392.3	1,865.1	660.0	336.2	323.80	2.038	
15,700.0	7,742.0	15,823.7	7,742.1	164.8	167.2	-90.00	-8,492.3	1,865.5	660.0	332.4	327.52	2.015	
15,717.4	7,742.0	15,841.1	7,742.0	165.1	167.5	-90.00	-8,509.7	1,865.5	660.0	331.9	328.05	2.012 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design North Washington Pad SEC.23-T1S-R68W - North Washington 1-23 (Exist.) - Wellbore #1 North Washi													Offset Site Error: 0.0 ft
Survey Program: 415-													Offset Well Error: 0.0 ft
Reference	Offset	Semi Major Axis		Distance									Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
13,000.0	7,747.5	8,220.6	7,892.9	114.2	40.0	-130.44	-6,777.1	1,322.9	996.0	879.4	116.66	8.538	
13,100.0	7,747.3	8,209.9	7,882.3	116.0	40.0	-127.59	-6,778.3	1,322.3	897.4	775.1	122.31	7.338	
13,200.0	7,747.1	8,201.0	7,873.5	117.9	40.0	-125.01	-6,779.3	1,321.9	799.0	671.6	127.48	6.268	
13,300.0	7,746.9	8,188.8	7,861.4	119.8	39.9	-121.15	-6,780.7	1,321.2	700.9	566.8	134.17	5.224	
13,400.0	7,746.7	8,178.1	7,850.8	121.6	39.9	-117.45	-6,781.9	1,320.7	603.2	462.9	140.32	4.299	
13,500.0	7,746.5	8,167.2	7,839.9	123.5	39.9	-113.36	-6,783.2	1,320.1	506.2	359.7	146.50	3.455	
13,600.0	7,746.3	8,156.0	7,828.8	125.3	39.8	-108.85	-6,784.5	1,319.6	410.3	257.8	152.51	2.690	
13,700.0	7,746.1	8,144.6	7,817.5	127.2	39.8	-103.91	-6,785.8	1,319.0	316.4	158.3	158.10	2.001	
13,800.0	7,745.9	8,132.9	7,805.9	129.1	39.8	-98.59	-6,787.2	1,318.4	227.3	64.3	162.93	1.395 Level 3	
13,900.0	7,745.7	8,120.9	7,794.0	131.0	39.7	-92.92	-6,788.7	1,317.8	151.3	-15.3	166.66	0.908 Level 1	
13,996.0	7,745.5	8,109.1	7,782.3	132.7	39.7	-87.23	-6,790.1	1,317.3	117.6	-51.3	168.90	0.696 Level 1, CC, ES, SF	
14,000.0	7,745.5	8,108.6	7,781.8	132.8	39.7	-86.99	-6,790.2	1,317.2	117.6	-51.3	168.96	0.696 Level 1	
14,100.0	7,745.3	8,096.0	7,769.3	134.7	39.7	-80.92	-6,791.7	1,316.6	156.4	-13.2	169.62	0.922 Level 1	
14,200.0	7,745.1	8,083.1	7,756.6	136.6	39.6	-74.88	-6,793.3	1,316.0	234.0	65.4	168.59	1.388 Level 3	
14,300.0	7,744.9	8,070.1	7,743.7	138.4	39.6	-69.03	-6,795.0	1,315.4	323.6	157.6	166.02	1.949	
14,400.0	7,744.7	8,056.9	7,730.6	140.3	39.6	-63.46	-6,796.7	1,314.8	417.6	255.4	162.19	2.575	
14,500.0	7,744.5	8,043.4	7,717.2	142.2	39.5	-58.25	-6,798.4	1,314.1	513.5	356.1	157.44	3.261	
14,600.0	7,744.3	8,029.8	7,703.7	144.1	39.5	-53.44	-6,800.1	1,313.5	610.4	458.3	152.14	4.012	
14,700.0	7,744.1	8,015.9	7,690.0	146.0	39.4	-49.06	-6,801.9	1,312.8	708.0	561.4	146.59	4.830	
14,800.0	7,743.8	8,001.7	7,675.9	147.8	39.4	-45.05	-6,803.8	1,312.2	805.9	664.9	140.98	5.716	
14,900.0	7,743.6	7,987.1	7,661.5	149.7	39.3	-41.42	-6,805.7	1,311.5	904.0	768.5	135.53	6.670	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 1421- North Washington Pad SEC.23-T1S-R68W - North Washington 8-23 (Exist.) - Wellbore #1 N Washington												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,200.0	7,745.1	7,962.5	7,788.4	136.6	25.7	-90.81	-7,889.3	1,393.0	915.3	758.8	156.54	5.847	
14,300.0	7,744.9	7,962.2	7,788.0	138.4	25.7	-90.69	-7,889.3	1,393.0	817.7	659.3	158.45	5.161	
14,400.0	7,744.7	7,961.8	7,787.7	140.3	25.7	-90.58	-7,889.3	1,393.0	720.8	560.5	160.36	4.495	
14,500.0	7,744.5	7,961.4	7,787.3	142.2	25.7	-90.47	-7,889.3	1,393.0	624.9	462.6	162.27	3.851	
14,600.0	7,744.3	7,961.1	7,787.0	144.1	25.7	-90.36	-7,889.3	1,393.0	530.5	366.3	164.17	3.231	
14,700.0	7,744.1	7,960.7	7,786.6	146.0	25.7	-90.26	-7,889.3	1,393.0	438.5	272.4	166.08	2.640	
14,800.0	7,743.8	7,960.4	7,786.2	147.8	25.7	-90.15	-7,889.3	1,393.0	351.0	183.0	167.99	2.089	
14,900.0	7,743.6	7,960.0	7,785.9	149.7	25.7	-90.04	-7,889.3	1,393.0	272.2	102.3	169.90	1.602	
15,000.0	7,743.4	7,959.7	7,785.5	151.6	25.7	-89.93	-7,889.3	1,393.0	212.2	40.4	171.81	1.235 Level 2	
15,095.5	7,743.3	7,959.3	7,785.2	153.4	25.7	-89.83	-7,889.3	1,393.0	189.5	15.8	173.63	1.091 Level 2, CC	
15,100.0	7,743.2	7,959.3	7,785.2	153.5	25.7	-89.83	-7,889.3	1,393.0	189.5	15.8	173.72	1.091 Level 2, ES, SF	
15,200.0	7,743.0	7,959.0	7,784.8	155.4	25.7	-89.72	-7,889.4	1,393.0	216.4	40.8	175.62	1.232 Level 2	
15,300.0	7,742.8	7,958.6	7,784.5	157.2	25.7	-89.62	-7,889.4	1,393.0	278.8	101.3	177.53	1.570	
15,400.0	7,742.6	7,958.3	7,784.2	159.1	25.7	-89.52	-7,889.4	1,393.0	358.6	179.2	179.44	1.999	
15,500.0	7,742.4	7,957.9	7,783.8	161.0	25.7	-89.42	-7,889.4	1,393.0	446.7	265.3	181.35	2.463	
15,600.0	7,742.2	7,957.6	7,783.5	162.9	25.7	-89.31	-7,889.4	1,393.0	538.9	355.7	183.25	2.941	
15,700.0	7,742.0	7,957.3	7,783.1	164.8	25.7	-89.21	-7,889.4	1,393.0	633.5	448.3	185.16	3.421	
15,717.4	7,742.0	7,957.2	7,783.1	165.1	25.7	-89.19	-7,889.4	1,393.0	650.1	464.7	185.43	3.506	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey N-14-23HN
Project:	SEC.11-T1S-R68W	TVD Reference:	WELL @ 5132.5ft (Original Well Elev)
Reference Site:	Ivey Pad Sec.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ivey N-14-23HN	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 #2 (11-5-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5132.5ft (Original Well Elev) Coordinates are relative to: Ivey N-14-23HN
 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: 0.34°



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