

Bayswater Exploration & Production, LLC

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

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

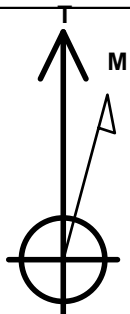
North American Datum 1983, US State Plane 1983, Colorado Northern Zone

Ground Elevation: 5110.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1233667.39	3149455.91	39.973567	-104.966725	
Original Well Elev WELL @ 5132.5ft (Original Well Elev)						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 562'FSL, 2047'FEL, SEC.11	1.0	0.0	0.0	Point
BHL 2602'FNL, 1510'FEL, SEC.23	7832.0	-8464.9	563.0	Point
LANDING PT. 465'FNL, 1510'FEL, SEC.14	7848.0	-1027.7	538.1	Point



Azimuths to True North
Magnetic North: 8.52°

Magnetic Field
Strength: 52562.2nT
Dip Angle: 66.57°
Date: 7/2/2014
Model: IGRF2010

Ivey Pad Sec.11-T1S-R68W
Ivey L-14-23HN
Plan #2 (11-4-14)
15:36, November 07 2014

ANNOTATIONS

TVD	MD	Annotation
1200.0	1200.0	KOP - Start Build 2.00
6678.2	6711.7	Start Drop -2.00
7131.8	7166.0	KOP #2 - Start Build 8.00
7832.0	15729.8	TD at 15729.8

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

SHL 562'FSL, 2047'FEL, SEC.11

SEC.11-T1S-R68W

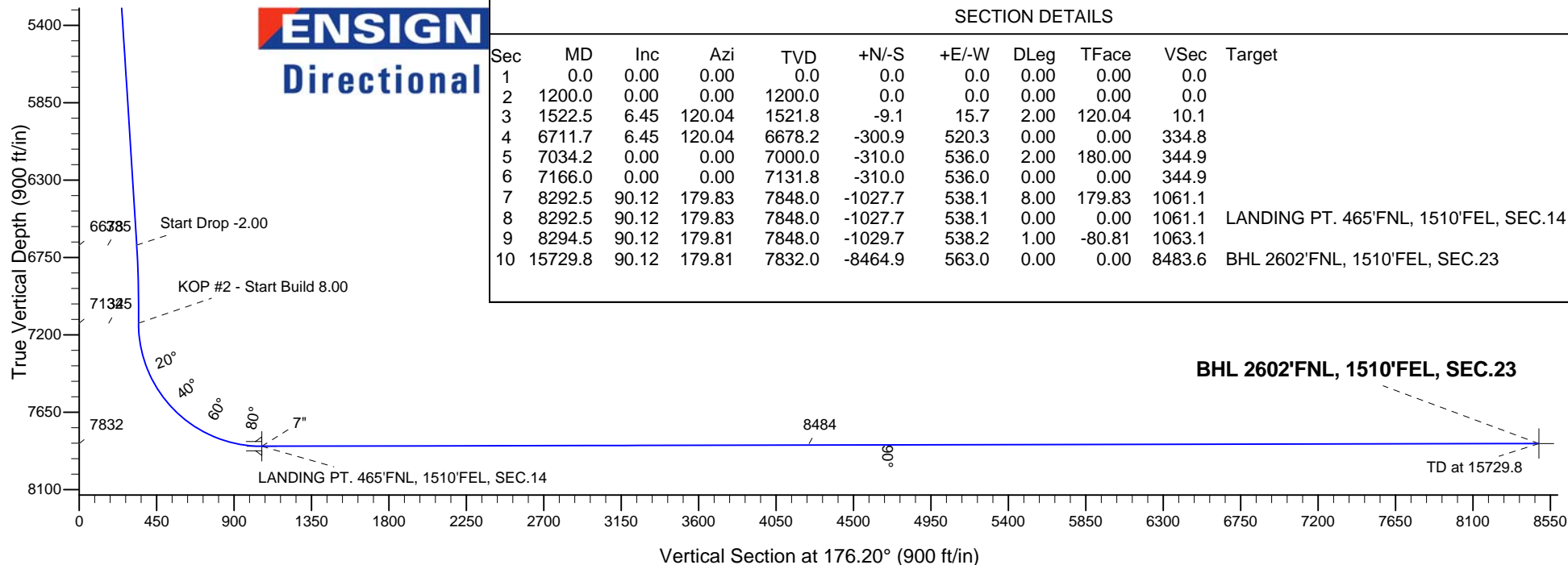
SEC.14-T1S-R68W

SEC.23-T1S-R68W

LANDING PT. 465'FNL, 1510'FEL, SEC.14

BHL 2602'FNL, 1510'FEL, SEC.23

West(-)/East(+) (3500 ft/in)





Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey L-14-23HN

Wellbore #1

Plan: Plan #2 (11-4-14)

Standard Planning Report

07 November, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	Landmark	Local Co-ordinate Reference:	Well Ivey L-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 L-14-23HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-4-14)		

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

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

Well		Ivey L-14-23HN				
Well Position	+N-S	-613.8 ft	Northing:	1,233,667.39 ft	Latitude:	39.973567
	+E-W	-352.9 ft	Easting:	3,149,455.91 ft	Longitude:	-104.966725
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	7/2/2014	8.53	66.57	52,562

Design	Plan #2 (11-4-14)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	176.20

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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,522.5	6.45	120.04	1,521.8	-9.1	15.7	2.00	2.00	0.00	120.04	
6,711.7	6.45	120.04	6,678.2	-300.9	520.3	0.00	0.00	0.00	0.00	
7,034.2	0.00	0.00	7,000.0	-310.0	536.0	2.00	-2.00	0.00	180.00	
7,166.0	0.00	0.00	7,131.8	-310.0	536.0	0.00	0.00	0.00	0.00	
8,292.5	90.12	179.83	7,848.0	-1,027.7	538.1	8.00	8.00	0.00	179.83	
8,292.5	90.12	179.83	7,848.0	-1,027.7	538.1	0.00	0.00	0.00	0.00	LANDING PT. 465'I
8,294.5	90.12	179.81	7,848.0	-1,029.7	538.2	1.00	0.16	-0.99	-80.81	
15,729.8	90.12	179.81	7,832.0	-8,464.9	563.0	0.00	0.00	0.00	0.00	BHL 2602'FNL, 151

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Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey L-14-23HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-4-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.00									
1,300.0	2.00	120.04	1,300.0	-0.9	1.5	1.0	2.00	2.00	0.00
1,400.0	4.00	120.04	1,399.8	-3.5	6.0	3.9	2.00	2.00	0.00
1,500.0	6.00	120.04	1,499.5	-7.9	13.6	8.7	2.00	2.00	0.00
1,522.5	6.45	120.04	1,521.8	-9.1	15.7	10.1	2.00	2.00	0.00
1,600.0	6.45	120.04	1,598.8	-13.4	23.2	14.9	0.00	0.00	0.00
1,700.0	6.45	120.04	1,698.2	-19.1	33.0	21.2	0.00	0.00	0.00
1,800.0	6.45	120.04	1,797.6	-24.7	42.7	27.5	0.00	0.00	0.00
1,900.0	6.45	120.04	1,896.9	-30.3	52.4	33.7	0.00	0.00	0.00
2,000.0	6.45	120.04	1,996.3	-35.9	62.1	40.0	0.00	0.00	0.00
2,100.0	6.45	120.04	2,095.7	-41.6	71.9	46.2	0.00	0.00	0.00
2,200.0	6.45	120.04	2,195.0	-47.2	81.6	52.5	0.00	0.00	0.00
2,300.0	6.45	120.04	2,294.4	-52.8	91.3	58.7	0.00	0.00	0.00
2,400.0	6.45	120.04	2,393.8	-58.4	101.0	65.0	0.00	0.00	0.00
2,500.0	6.45	120.04	2,493.1	-64.1	110.8	71.3	0.00	0.00	0.00
2,600.0	6.45	120.04	2,592.5	-69.7	120.5	77.5	0.00	0.00	0.00
2,700.0	6.45	120.04	2,691.9	-75.3	130.2	83.8	0.00	0.00	0.00
2,800.0	6.45	120.04	2,791.2	-80.9	139.9	90.0	0.00	0.00	0.00
2,900.0	6.45	120.04	2,890.6	-86.5	149.6	96.3	0.00	0.00	0.00
3,000.0	6.45	120.04	2,990.0	-92.2	159.4	102.5	0.00	0.00	0.00
3,100.0	6.45	120.04	3,089.3	-97.8	169.1	108.8	0.00	0.00	0.00
3,200.0	6.45	120.04	3,188.7	-103.4	178.8	115.1	0.00	0.00	0.00
3,300.0	6.45	120.04	3,288.1	-109.0	188.5	121.3	0.00	0.00	0.00
3,400.0	6.45	120.04	3,387.4	-114.7	198.3	127.6	0.00	0.00	0.00
3,500.0	6.45	120.04	3,486.8	-120.3	208.0	133.8	0.00	0.00	0.00
3,600.0	6.45	120.04	3,586.2	-125.9	217.7	140.1	0.00	0.00	0.00
3,700.0	6.45	120.04	3,685.5	-131.5	227.4	146.3	0.00	0.00	0.00
3,800.0	6.45	120.04	3,784.9	-137.2	237.2	152.6	0.00	0.00	0.00
3,900.0	6.45	120.04	3,884.3	-142.8	246.9	158.9	0.00	0.00	0.00
4,000.0	6.45	120.04	3,983.6	-148.4	256.6	165.1	0.00	0.00	0.00
4,100.0	6.45	120.04	4,083.0	-154.0	266.3	171.4	0.00	0.00	0.00
4,200.0	6.45	120.04	4,182.4	-159.7	276.1	177.6	0.00	0.00	0.00
4,300.0	6.45	120.04	4,281.7	-165.3	285.8	183.9	0.00	0.00	0.00
4,400.0	6.45	120.04	4,381.1	-170.9	295.5	190.1	0.00	0.00	0.00
4,500.0	6.45	120.04	4,480.5	-176.5	305.2	196.4	0.00	0.00	0.00
4,600.0	6.45	120.04	4,579.8	-182.2	315.0	202.7	0.00	0.00	0.00
4,700.0	6.45	120.04	4,679.2	-187.8	324.7	208.9	0.00	0.00	0.00
4,800.0	6.45	120.04	4,778.6	-193.4	334.4	215.2	0.00	0.00	0.00
4,900.0	6.45	120.04	4,877.9	-199.0	344.1	221.4	0.00	0.00	0.00
5,000.0	6.45	120.04	4,977.3	-204.7	353.9	227.7	0.00	0.00	0.00
5,100.0	6.45	120.04	5,076.7	-210.3	363.6	233.9	0.00	0.00	0.00

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Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey L-14-23HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-4-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	6.45	120.04	5,176.0	-215.9	373.3	240.2	0.00	0.00	0.00
5,300.0	6.45	120.04	5,275.4	-221.5	383.0	246.5	0.00	0.00	0.00
5,400.0	6.45	120.04	5,374.8	-227.2	392.8	252.7	0.00	0.00	0.00
5,500.0	6.45	120.04	5,474.1	-232.8	402.5	259.0	0.00	0.00	0.00
5,600.0	6.45	120.04	5,573.5	-238.4	412.2	265.2	0.00	0.00	0.00
5,700.0	6.45	120.04	5,672.9	-244.0	421.9	271.5	0.00	0.00	0.00
5,800.0	6.45	120.04	5,772.2	-249.6	431.6	277.7	0.00	0.00	0.00
5,900.0	6.45	120.04	5,871.6	-255.3	441.4	284.0	0.00	0.00	0.00
6,000.0	6.45	120.04	5,971.0	-260.9	451.1	290.3	0.00	0.00	0.00
6,100.0	6.45	120.04	6,070.3	-266.5	460.8	296.5	0.00	0.00	0.00
6,200.0	6.45	120.04	6,169.7	-272.1	470.5	302.8	0.00	0.00	0.00
6,300.0	6.45	120.04	6,269.1	-277.8	480.3	309.0	0.00	0.00	0.00
6,400.0	6.45	120.04	6,368.4	-283.4	490.0	315.3	0.00	0.00	0.00
6,500.0	6.45	120.04	6,467.8	-289.0	499.7	321.5	0.00	0.00	0.00
6,600.0	6.45	120.04	6,567.2	-294.6	509.4	327.8	0.00	0.00	0.00
6,700.0	6.45	120.04	6,666.5	-300.3	519.2	334.1	0.00	0.00	0.00
6,711.7	6.45	120.04	6,678.2	-300.9	520.3	334.8	0.00	0.00	0.00
Start Drop -2.00									
6,800.0	4.68	120.04	6,766.1	-305.2	527.7	339.6	2.00	-2.00	0.00
6,900.0	2.68	120.04	6,865.8	-308.4	533.3	343.1	2.00	-2.00	0.00
7,000.0	0.68	120.04	6,965.8	-309.9	535.8	344.8	2.00	-2.00	0.00
7,034.2	0.00	0.00	7,000.0	-310.0	536.0	344.9	2.00	-2.00	0.00
7,100.0	0.00	0.00	7,065.8	-310.0	536.0	344.9	0.00	0.00	0.00
7,166.0	0.00	0.00	7,131.8	-310.0	536.0	344.9	0.00	0.00	0.00
KOP #2 - Start Build 8.00									
7,200.0	2.72	179.83	7,165.8	-310.8	536.0	345.7	7.99	7.99	0.00
7,300.0	10.72	179.83	7,265.0	-322.5	536.0	357.4	8.00	8.00	0.00
7,400.0	18.72	179.83	7,361.7	-347.9	536.1	382.7	8.00	8.00	0.00
7,500.0	26.72	179.83	7,453.8	-386.5	536.2	421.2	8.00	8.00	0.00
7,600.0	34.72	179.83	7,539.7	-437.5	536.4	472.1	8.00	8.00	0.00
7,700.0	42.72	179.83	7,617.7	-500.0	536.6	534.5	8.00	8.00	0.00
7,800.0	50.72	179.83	7,686.2	-572.7	536.8	607.1	8.00	8.00	0.00
7,900.0	58.72	179.83	7,743.9	-654.3	537.0	688.5	8.00	8.00	0.00
8,000.0	66.72	179.83	7,789.7	-743.1	537.3	777.1	8.00	8.00	0.00
8,100.0	74.72	179.83	7,822.7	-837.4	537.6	871.3	8.00	8.00	0.00
8,200.0	82.72	179.83	7,842.2	-935.4	537.9	969.0	8.00	8.00	0.00
8,292.5	90.12	179.83	7,848.0	-1,027.7	538.1	1,061.1	8.00	8.00	0.00
7"									
8,294.5	90.12	179.81	7,848.0	-1,029.7	538.2	1,063.1	1.01	0.16	-0.99
8,300.0	90.12	179.81	7,848.0	-1,035.2	538.2	1,068.6	0.00	0.00	0.00
8,400.0	90.12	179.81	7,847.8	-1,135.2	538.5	1,168.4	0.00	0.00	0.00
8,500.0	90.12	179.81	7,847.6	-1,235.2	538.8	1,268.2	0.00	0.00	0.00
8,600.0	90.12	179.81	7,847.3	-1,335.2	539.2	1,368.0	0.00	0.00	0.00
8,700.0	90.12	179.81	7,847.1	-1,435.2	539.5	1,467.8	0.00	0.00	0.00
8,800.0	90.12	179.81	7,846.9	-1,535.2	539.8	1,567.6	0.00	0.00	0.00
8,900.0	90.12	179.81	7,846.7	-1,635.2	540.2	1,667.4	0.00	0.00	0.00
9,000.0	90.12	179.81	7,846.5	-1,735.2	540.5	1,767.2	0.00	0.00	0.00
9,100.0	90.12	179.81	7,846.3	-1,835.2	540.8	1,867.0	0.00	0.00	0.00
9,200.0	90.12	179.81	7,846.0	-1,935.2	541.2	1,966.8	0.00	0.00	0.00
9,300.0	90.12	179.81	7,845.8	-2,035.2	541.5	2,066.6	0.00	0.00	0.00
9,400.0	90.12	179.81	7,845.6	-2,135.2	541.8	2,166.4	0.00	0.00	0.00
9,500.0	90.12	179.81	7,845.4	-2,235.2	542.2	2,266.2	0.00	0.00	0.00
9,600.0	90.12	179.81	7,845.2	-2,335.2	542.5	2,366.0	0.00	0.00	0.00

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Well:	Ivey L-14-23HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-4-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,700.0	90.12	179.81	7,845.0	-2,435.2	542.8	2,465.8	0.00	0.00	0.00
9,800.0	90.12	179.81	7,844.8	-2,535.2	543.2	2,565.6	0.00	0.00	0.00
9,900.0	90.12	179.81	7,844.5	-2,635.2	543.5	2,665.4	0.00	0.00	0.00
10,000.0	90.12	179.81	7,844.3	-2,735.2	543.8	2,765.2	0.00	0.00	0.00
10,100.0	90.12	179.81	7,844.1	-2,835.2	544.2	2,865.0	0.00	0.00	0.00
10,200.0	90.12	179.81	7,843.9	-2,935.2	544.5	2,964.8	0.00	0.00	0.00
10,300.0	90.12	179.81	7,843.7	-3,035.2	544.8	3,064.6	0.00	0.00	0.00
10,400.0	90.12	179.81	7,843.5	-3,135.2	545.2	3,164.4	0.00	0.00	0.00
10,500.0	90.12	179.81	7,843.3	-3,235.2	545.5	3,264.2	0.00	0.00	0.00
10,600.0	90.12	179.81	7,843.0	-3,335.1	545.8	3,364.0	0.00	0.00	0.00
10,700.0	90.12	179.81	7,842.8	-3,435.1	546.2	3,463.8	0.00	0.00	0.00
10,800.0	90.12	179.81	7,842.6	-3,535.1	546.5	3,563.6	0.00	0.00	0.00
10,900.0	90.12	179.81	7,842.4	-3,635.1	546.9	3,663.4	0.00	0.00	0.00
11,000.0	90.12	179.81	7,842.2	-3,735.1	547.2	3,763.2	0.00	0.00	0.00
11,100.0	90.12	179.81	7,842.0	-3,835.1	547.5	3,863.0	0.00	0.00	0.00
11,200.0	90.12	179.81	7,841.7	-3,935.1	547.9	3,962.8	0.00	0.00	0.00
11,300.0	90.12	179.81	7,841.5	-4,035.1	548.2	4,062.6	0.00	0.00	0.00
11,400.0	90.12	179.81	7,841.3	-4,135.1	548.5	4,162.4	0.00	0.00	0.00
11,500.0	90.12	179.81	7,841.1	-4,235.1	548.9	4,262.2	0.00	0.00	0.00
11,600.0	90.12	179.81	7,840.9	-4,335.1	549.2	4,362.0	0.00	0.00	0.00
11,700.0	90.12	179.81	7,840.7	-4,435.1	549.5	4,461.8	0.00	0.00	0.00
11,800.0	90.12	179.81	7,840.5	-4,535.1	549.9	4,561.6	0.00	0.00	0.00
11,900.0	90.12	179.81	7,840.2	-4,635.1	550.2	4,661.4	0.00	0.00	0.00
12,000.0	90.12	179.81	7,840.0	-4,735.1	550.5	4,761.2	0.00	0.00	0.00
12,100.0	90.12	179.81	7,839.8	-4,835.1	550.9	4,861.0	0.00	0.00	0.00
12,200.0	90.12	179.81	7,839.6	-4,935.1	551.2	4,960.8	0.00	0.00	0.00
12,300.0	90.12	179.81	7,839.4	-5,035.1	551.5	5,060.6	0.00	0.00	0.00
12,400.0	90.12	179.81	7,839.2	-5,135.1	551.9	5,160.4	0.00	0.00	0.00
12,500.0	90.12	179.81	7,838.9	-5,235.1	552.2	5,260.2	0.00	0.00	0.00
12,600.0	90.12	179.81	7,838.7	-5,335.1	552.5	5,360.0	0.00	0.00	0.00
12,700.0	90.12	179.81	7,838.5	-5,435.1	552.9	5,459.8	0.00	0.00	0.00
12,800.0	90.12	179.81	7,838.3	-5,535.1	553.2	5,559.6	0.00	0.00	0.00
12,900.0	90.12	179.81	7,838.1	-5,635.1	553.5	5,659.4	0.00	0.00	0.00
13,000.0	90.12	179.81	7,837.9	-5,735.1	553.9	5,759.2	0.00	0.00	0.00
13,100.0	90.12	179.81	7,837.7	-5,835.1	554.2	5,859.0	0.00	0.00	0.00
13,200.0	90.12	179.81	7,837.4	-5,935.1	554.5	5,958.8	0.00	0.00	0.00
13,300.0	90.12	179.81	7,837.2	-6,035.1	554.9	6,058.6	0.00	0.00	0.00
13,400.0	90.12	179.81	7,837.0	-6,135.1	555.2	6,158.4	0.00	0.00	0.00
13,500.0	90.12	179.81	7,836.8	-6,235.1	555.5	6,258.2	0.00	0.00	0.00
13,600.0	90.12	179.81	7,836.6	-6,335.1	555.9	6,358.0	0.00	0.00	0.00
13,700.0	90.12	179.81	7,836.4	-6,435.1	556.2	6,457.8	0.00	0.00	0.00
13,800.0	90.12	179.81	7,836.2	-6,535.1	556.5	6,557.7	0.00	0.00	0.00
13,900.0	90.12	179.81	7,835.9	-6,635.1	556.9	6,657.5	0.00	0.00	0.00
14,000.0	90.12	179.81	7,835.7	-6,735.1	557.2	6,757.3	0.00	0.00	0.00
14,100.0	90.12	179.81	7,835.5	-6,835.1	557.5	6,857.1	0.00	0.00	0.00
14,200.0	90.12	179.81	7,835.3	-6,935.1	557.9	6,956.9	0.00	0.00	0.00
14,300.0	90.12	179.81	7,835.1	-7,035.1	558.2	7,056.7	0.00	0.00	0.00
14,400.0	90.12	179.81	7,834.9	-7,135.1	558.5	7,156.5	0.00	0.00	0.00
14,500.0	90.12	179.81	7,834.6	-7,235.1	558.9	7,256.3	0.00	0.00	0.00
14,600.0	90.12	179.81	7,834.4	-7,335.1	559.2	7,356.1	0.00	0.00	0.00
14,700.0	90.12	179.81	7,834.2	-7,435.1	559.5	7,455.9	0.00	0.00	0.00
14,800.0	90.12	179.81	7,834.0	-7,535.1	559.9	7,555.7	0.00	0.00	0.00
14,900.0	90.12	179.81	7,833.8	-7,635.1	560.2	7,655.5	0.00	0.00	0.00
15,000.0	90.12	179.81	7,833.6	-7,735.1	560.5	7,755.3	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Ivey L-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 L-14-23HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (11-4-14)		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
15,100.0	90.12	179.81	7,833.4	-7,835.1	560.9	7,855.1	0.00	0.00	0.00	
15,200.0	90.12	179.81	7,833.1	-7,935.1	561.2	7,954.9	0.00	0.00	0.00	
15,300.0	90.12	179.81	7,832.9	-8,035.1	561.5	8,054.7	0.00	0.00	0.00	
15,400.0	90.12	179.81	7,832.7	-8,135.1	561.9	8,154.5	0.00	0.00	0.00	
15,500.0	90.12	179.81	7,832.5	-8,235.1	562.2	8,254.3	0.00	0.00	0.00	
15,600.0	90.12	179.81	7,832.3	-8,335.1	562.5	8,354.1	0.00	0.00	0.00	
15,700.0	90.12	179.81	7,832.1	-8,435.1	562.9	8,453.9	0.00	0.00	0.00	
15,729.8	90.12	179.81	7,832.0	-8,464.9	563.0	8,483.6	0.00	0.00	0.00	

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
SHL 562'FSL, 2047'FI	0.00	0.00	1.0	0.0	0.0	1,233,667.39	3,149,455.91	39.973567	-104.966725	
- plan hits target center										
- Point										
LANDING PT. 465'FN	0.00	0.00	7,848.0	-1,027.7	538.1	1,232,643.02	3,150,000.21	39.970746	-104.964805	
- plan hits target center										
- Point										
BHL 2602'FNL, 1510'I	0.00	0.00	7,832.0	-8,464.9	563.0	1,225,206.34	3,150,069.76	39.950330	-104.964717	
- plan hits target center										
- Point										

Casing Points										
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (")	Hole Diameter (")					
8,292.5	7,848.0	7"		7	7-1/2					

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
1,200.0	1,200.0	0.0	0.0	KOP - Start Build 2.00	
6,711.7	6,678.2	-300.9	520.3	Start Drop -2.00	
7,166.0	7,131.8	-310.0	536.0	KOP #2 - Start Build 8.00	
15,729.8	7,832.0	-8,462.9	563.0	TD at 15729.8	



Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey L-14-23HN

Wellbore #1

Plan #2 (11-4-14)

Anticollision Report

07 November, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #2 (11-4-14)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 11/4/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	15,729.8	Plan #2 (11-4-14) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Existing Pad Sec.11-T1S-R68W						
Ehler 10-14 (P&A) - Wellbore #1 - Wellbore #1						Out of range
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	3,192.0	3,146.3	176.2	105.4	2.490	CC
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	3,500.0	3,452.3	179.6	101.8	2.310	ES
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	4,000.0	3,949.1	198.2	109.4	2.232	SF
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	5,683.5	5,624.0	320.4	192.5	2.505	CC
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	6,300.0	6,236.6	327.8	185.9	2.311	ES
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	7,200.0	7,133.3	347.9	186.5	2.155	SF
North York Land Assoc 1-14 (Exist.) - Wellbore #1 - Well	12,467.8	7,825.5	466.6	209.3	1.813	CC, ES, SF
Ivey Pad Sec.11-T1S-R68W						
Ivey J-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	1,345.0	1,345.0	29.9	24.1	5.161	CC
Ivey J-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	1,400.0	1,399.8	30.0	24.0	4.996	ES
Ivey J-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	15,729.8	15,615.0	666.4	344.5	2.071	SF
Ivey K-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	1,302.6	1,302.5	14.9	9.3	2.662	CC
Ivey K-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	15,729.8	15,716.7	330.3	5.4	1.017	Level 2, ES, SF
Ivey M-14-23HC - Wellbore #1 - Plan #2 (11-5-14)	800.0	800.0	30.0	26.6	8.891	CC
Ivey M-14-23HC - Wellbore #1 - Plan #2 (11-5-14)	900.0	899.9	30.1	26.3	7.914	ES
Ivey M-14-23HC - Wellbore #1 - Plan #2 (11-5-14)	15,729.8	15,915.1	519.1	207.6	1.666	SF
Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	1,036.1	1,036.1	14.9	10.5	3.374	CC
Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	1,100.0	1,100.0	15.0	10.3	3.193	ES
Ivey M-14-23HN - Wellbore #1 - Plan #2 (11-5-14)	15,729.8	15,667.0	342.0	25.4	1.080	Level 2, SF
Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	2,119.3	2,168.4	406.4	394.5	34.091	CC, ES
Ivey O-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	7,500.0	9,048.9	520.5	468.0	9.905	SF
Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	7,700.0	8,988.3	186.3	139.7	3.998	SF
Ivey P-11-12HN - Wellbore #1 - Plan #1 (8-21-14)	7,711.9	8,988.3	185.8	139.7	4.027	CC, ES
North Washington Pad SEC.23-T1S-R68W						
North Washington 1-23 (Exist.) - Wellbore #1 North Was	14,009.4	8,165.4	781.2	613.4	4.655	CC, ES
North Washington 1-23 (Exist.) - Wellbore #1 North Was	14,100.0	8,155.0	786.4	617.0	4.642	SF
North Washington 2-23 (Exist.) - North Washington 2-23	13,874.1	8,181.7	445.8	318.6	3.503	CC, ES
North Washington 2-23 (Exist.) - North Washington 2-23	13,900.0	8,177.2	446.6	318.9	3.497	SF
North Washington 8-23 (Exist.) - Wellbore #1 N Washing	15,115.5	8,047.2	849.7	676.9	4.918	CC, ES
North Washington 8-23 (Exist.) - Wellbore #1 N Washing	15,200.0	8,047.1	853.9	679.5	4.897	SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design		Existing Pad Sec.11-T1S-R68W - Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1											Offset Site Error:		0.0 ft	
Survey Program: 8707-UNKNOWN														Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth 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	79.46	49.5	266.3	273.0							
100.0	100.0	65.5	65.5	0.1	1.3	79.46	49.5	266.3	270.8	269.4	1.42	190.378				
200.0	200.0	165.5	165.5	0.3	3.3	79.46	49.5	266.3	270.8	267.2	3.65	74.253				
300.0	300.0	265.5	265.5	0.6	5.3	79.46	49.5	266.3	270.8	265.0	5.87	46.121				
400.0	400.0	365.5	365.5	0.8	7.3	79.46	49.5	266.3	270.8	262.7	8.10	33.448				
500.0	500.0	465.5	465.5	1.0	9.3	79.46	49.5	266.3	270.8	260.5	10.32	26.239				
600.0	600.0	565.5	565.5	1.2	11.3	79.46	49.5	266.3	270.8	258.3	12.55	21.586				
700.0	700.0	665.5	665.5	1.5	13.3	79.46	49.5	266.3	270.8	256.1	14.77	18.335				
800.0	800.0	765.5	765.5	1.7	15.3	79.46	49.5	266.3	270.8	253.8	17.00	15.935				
900.0	900.0	865.5	865.5	1.9	17.3	79.46	49.5	266.3	270.8	251.6	19.22	14.090				
1,000.0	1,000.0	965.5	965.5	2.1	19.3	79.46	49.5	266.3	270.8	249.4	21.45	12.629				
1,100.0	1,100.0	1,065.5	1,065.5	2.4	21.3	79.46	49.5	266.3	270.8	247.2	23.67	11.442				
1,200.0	1,200.0	1,165.5	1,165.5	2.6	23.3	79.46	49.5	266.3	270.8	244.9	25.89	10.459				
1,300.0	1,300.0	1,265.5	1,265.5	2.8	25.3	-40.84	49.5	266.3	269.5	241.4	28.09	9.595				
1,400.0	1,399.8	1,365.3	1,365.3	3.0	27.3	-41.63	49.5	266.3	265.6	235.3	30.24	8.781				
1,500.0	1,499.5	1,465.0	1,465.0	3.2	29.3	-43.00	49.5	266.3	259.1	226.7	32.38	8.002				
1,600.0	1,598.8	1,564.3	1,564.3	3.4	31.3	-44.75	49.5	266.3	251.1	216.5	34.56	7.264				
1,700.0	1,698.2	1,663.7	1,663.7	3.6	33.3	-46.61	49.5	266.3	243.2	206.4	36.77	6.613				
1,800.0	1,797.6	1,763.1	1,763.1	3.9	35.3	-48.59	49.5	266.3	235.6	196.6	39.00	6.041				
1,900.0	1,896.9	1,862.4	1,862.4	4.1	37.2	-50.70	49.5	266.3	228.3	187.0	41.23	5.537				
2,000.0	1,996.3	1,961.8	1,961.8	4.4	39.2	-52.94	49.5	266.3	221.3	177.8	43.47	5.090				
2,100.0	2,095.7	2,061.2	2,061.2	4.7	41.2	-55.32	49.5	266.3	214.7	169.0	45.73	4.695				
2,200.0	2,195.0	2,160.5	2,160.5	5.0	43.2	-57.85	49.5	266.3	208.5	160.5	48.00	4.344				
2,300.0	2,294.4	2,259.9	2,259.9	5.2	45.2	-60.53	49.5	266.3	202.7	152.4	50.27	4.032				
2,400.0	2,393.8	2,359.3	2,359.3	5.5	47.2	-63.35	49.5	266.3	197.4	144.8	52.55	3.756				
2,500.0	2,493.1	2,458.6	2,458.6	5.8	49.2	-66.33	49.5	266.3	192.6	137.7	54.85	3.511				
2,600.0	2,592.5	2,558.0	2,558.0	6.1	51.2	-69.44	49.5	266.3	188.3	131.2	57.14	3.296				
2,700.0	2,691.9	2,657.4	2,657.4	6.4	53.1	-72.69	49.5	266.3	184.7	125.2	59.45	3.106				
2,800.0	2,791.2	2,756.7	2,756.7	6.7	55.1	-76.05	49.5	266.3	181.6	119.9	61.75	2.941				
2,900.0	2,890.6	2,856.1	2,856.1	7.0	57.1	-79.52	49.5	266.3	179.2	115.2	64.05	2.798				
3,000.0	2,990.0	2,955.5	2,955.5	7.3	59.1	-83.06	49.5	266.3	177.5	111.2	66.35	2.675				
3,100.0	3,089.3	3,054.8	3,054.8	7.6	61.1	-86.66	49.5	266.3	176.5	107.8	68.65	2.571				
3,192.0	3,180.8	3,146.3	3,146.3	7.8	62.9	-90.00	49.5	266.3	176.2	105.4	70.76	2.490 CC				
3,200.0	3,188.7	3,154.2	3,154.2	7.9	63.1	-90.29	49.5	266.3	176.2	105.3	70.94	2.484				
3,300.0	3,288.1	3,253.6	3,253.6	8.2	65.1	-93.91	49.5	266.3	176.6	103.4	73.21	2.412				
3,400.0	3,387.4	3,352.9	3,352.9	8.5	67.1	-97.50	49.5	266.3	177.7	102.3	75.48	2.355				
3,500.0	3,486.8	3,452.3	3,452.3	8.8	69.0	-101.04	49.5	266.3	179.6	101.8	77.73	2.310 ES				
3,600.0	3,586.2	3,551.7	3,551.7	9.1	71.0	-104.49	49.5	266.3	182.1	102.1	79.97	2.276				
3,700.0	3,685.5	3,651.0	3,651.0	9.4	73.0	-107.84	49.5	266.3	185.2	103.0	82.20	2.253				
3,800.0	3,784.9	3,750.4	3,750.4	9.7	75.0	-111.06	49.5	266.3	189.0	104.5	84.41	2.239				
3,900.0	3,884.3	3,849.8	3,849.8	10.0	77.0	-114.16	49.5	266.3	193.3	106.7	86.62	2.232				
4,000.0	3,983.6	3,949.1	3,949.1	10.3	79.0	-117.11	49.5	266.3	198.2	109.4	88.81	2.232 SF				
4,100.0	4,083.0	4,048.5	4,048.5	10.6	81.0	-119.91	49.5	266.3	203.6	112.6	91.00	2.237				
4,200.0	4,182.4	4,147.9	4,147.9	10.9	83.0	-122.56	49.5	266.3	209.4	116.3	93.18	2.248				
4,300.0	4,281.7	4,247.2	4,247.2	11.2	84.9	-125.07	49.5	266.3	215.7	120.4	95.36	2.262				
4,400.0	4,381.1	4,346.6	4,346.6	11.5	86.9	-127.43	49.5	266.3	222.4	124.9	97.53	2.280				
4,500.0	4,480.5	4,446.0	4,446.0	11.8	88.9	-129.65	49.5	266.3	229.4	129.7	99.70	2.301				
4,600.0	4,579.8	4,545.3	4,545.3	12.1	90.9	-131.73	49.5	266.3	236.8	134.9	101.87	2.324				
4,700.0	4,679.2	4,644.7	4,644.7	12.4	92.9	-133.69	49.5	266.3	244.4	140.4	104.03	2.349				
4,800.0	4,778.6	4,744.1	4,744.1	12.7	94.9	-135.53	49.5	266.3	252.3	146.1	106.20	2.376				
4,900.0	4,877.9	4,843.4	4,843.4	13.0	96.9	-137.26	49.5	266.3	260.5	152.1	108.37	2.404				
5,000.0	4,977.3	4,942.8	4,942.8	13.3	98.9	-138.88	49.5	266.3	268.9	158.3	110.53	2.432				

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 L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8707-UNKNOWN												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
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	5,076.7	5,042.2	5,042.2	13.6	100.8	-140.40	49.5	266.3	277.5	164.7	112.70	2.462	
5,200.0	5,176.0	5,141.5	5,141.5	13.9	102.8	-141.83	49.5	266.3	286.2	171.3	114.87	2.492	
5,300.0	5,275.4	5,240.9	5,240.9	14.3	104.8	-143.17	49.5	266.3	295.2	178.1	117.04	2.522	
5,400.0	5,374.8	5,340.3	5,340.3	14.6	106.8	-144.44	49.5	266.3	304.2	185.0	119.21	2.552	
5,500.0	5,474.1	5,439.6	5,439.6	14.9	108.8	-145.63	49.5	266.3	313.5	192.1	121.39	2.582	
5,600.0	5,573.5	5,539.0	5,539.0	15.2	110.8	-146.75	49.5	266.3	322.8	199.3	123.56	2.613	
5,700.0	5,672.9	5,638.4	5,638.4	15.5	112.8	-147.81	49.5	266.3	332.3	206.5	125.74	2.643	
5,800.0	5,772.2	5,737.7	5,737.7	15.8	114.8	-148.82	49.5	266.3	341.9	213.9	127.92	2.673	
5,900.0	5,871.6	5,837.1	5,837.1	16.1	116.7	-149.76	49.5	266.3	351.5	221.4	130.10	2.702	
6,000.0	5,971.0	5,936.5	5,936.5	16.4	118.7	-150.66	49.5	266.3	361.3	229.0	132.28	2.731	
6,100.0	6,070.3	6,035.8	6,035.8	16.7	120.7	-151.51	49.5	266.3	371.1	236.7	134.46	2.760	
6,200.0	6,169.7	6,135.2	6,135.2	17.0	122.7	-152.31	49.5	266.3	381.1	244.4	136.64	2.789	
6,300.0	6,269.1	6,234.6	6,234.6	17.3	124.7	-153.08	49.5	266.3	391.1	252.2	138.83	2.817	
6,400.0	6,368.4	6,333.9	6,333.9	17.6	126.7	-153.80	49.5	266.3	401.1	260.1	141.02	2.845	
6,500.0	6,467.8	6,433.3	6,433.3	18.0	128.7	-154.49	49.5	266.3	411.2	268.0	143.20	2.872	
6,600.0	6,567.2	6,532.7	6,532.7	18.3	130.7	-155.15	49.5	266.3	421.4	276.0	145.39	2.899	
6,700.0	6,666.5	6,632.0	6,632.0	18.6	132.6	-155.77	49.5	266.3	431.7	284.1	147.58	2.925	
6,800.0	6,766.1	6,731.6	6,731.6	18.8	134.6	-156.36	49.5	266.3	440.7	290.6	150.09	2.936	
6,900.0	6,865.8	6,831.3	6,831.3	19.0	136.6	-156.74	49.5	266.3	446.6	294.1	152.50	2.928	
7,000.0	6,965.8	6,931.3	6,931.3	19.2	138.6	-156.91	49.5	266.3	449.3	294.5	154.77	2.903	
7,100.0	7,065.8	7,031.3	7,031.3	19.4	140.6	-156.88	49.5	266.3	449.5	292.5	156.96	2.864	
7,144.0	7,109.8	7,075.3	7,075.3	19.4	141.5	143.32	49.5	266.3	449.8	291.9	157.91	2.849	
7,200.0	7,165.8	7,131.3	7,131.3	19.5	142.6	143.32	49.5	266.3	450.1	291.1	159.06	2.830	
7,300.0	7,265.0	7,230.5	7,230.5	19.7	144.6	143.74	49.5	266.3	459.6	299.9	159.66	2.878	
7,400.0	7,361.7	7,327.2	7,327.2	20.1	146.5	144.54	49.5	266.3	480.4	322.3	158.09	3.039	
7,500.0	7,453.8	7,419.3	7,419.3	20.5	148.4	145.45	49.5	266.3	512.8	358.6	154.27	3.324	
7,600.0	7,539.7	7,505.2	7,505.2	21.0	150.1	146.18	49.5	266.3	556.9	408.6	148.31	3.755	
7,700.0	7,617.7	7,583.2	7,583.2	21.6	151.7	146.40	49.5	266.3	612.4	471.6	140.79	4.350	
7,800.0	7,686.2	7,651.7	7,651.7	22.3	153.0	145.74	49.5	266.3	678.5	545.6	132.99	5.102	
7,900.0	7,743.9	7,709.4	7,709.4	23.2	154.2	143.71	49.5	266.3	754.1	626.9	127.27	5.926	
8,000.0	7,789.7	7,755.2	7,755.2	24.2	155.1	139.41	49.5	266.3	837.7	710.1	127.62	6.564	
8,100.0	7,822.7	7,788.2	7,788.2	25.3	155.8	131.05	49.5	266.3	927.5	788.1	139.45	6.651	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 8250-UNKNOWN													Offset Well Error:	0.0 ft
Reference	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	86.63	34.2	580.7	582.6					
100.0	100.0	67.5	67.5	0.1	1.4	86.63	34.2	580.7	581.7	580.3	1.46	397.742		
200.0	200.0	167.5	167.5	0.3	3.4	86.63	34.2	580.7	581.7	578.0	3.69	157.764		
300.0	300.0	267.5	267.5	0.6	5.4	86.63	34.2	580.7	581.7	575.8	5.91	98.396		
400.0	400.0	367.5	367.5	0.8	7.4	86.63	34.2	580.7	581.7	573.6	8.14	71.493		
500.0	500.0	467.5	467.5	1.0	9.4	86.63	34.2	580.7	581.7	571.4	10.36	56.143		
600.0	600.0	567.5	567.5	1.2	11.4	86.63	34.2	580.7	581.7	569.1	12.59	46.219		
700.0	700.0	667.5	667.5	1.5	13.4	86.63	34.2	580.7	581.7	566.9	14.81	39.277		
800.0	800.0	767.5	767.5	1.7	15.4	86.63	34.2	580.7	581.7	564.7	17.04	34.147		
900.0	900.0	867.5	867.5	1.9	17.4	86.63	34.2	580.7	581.7	562.5	19.26	30.203		
1,000.0	1,000.0	967.5	967.5	2.1	19.4	86.63	34.2	580.7	581.7	560.2	21.49	27.076		
1,100.0	1,100.0	1,067.5	1,067.5	2.4	21.4	86.63	34.2	580.7	581.7	558.0	23.71	24.535		
1,200.0	1,200.0	1,167.5	1,167.5	2.6	23.4	86.63	34.2	580.7	581.7	555.8	25.93	22.430		
1,300.0	1,300.0	1,267.5	1,267.5	2.8	25.3	-33.53	34.2	580.7	580.3	552.1	28.13	20.631		
1,400.0	1,399.8	1,367.3	1,367.3	3.0	27.3	-33.87	34.2	580.7	575.9	545.6	30.27	19.024		
1,500.0	1,499.5	1,467.0	1,467.0	3.2	29.3	-34.44	34.2	580.7	568.7	536.3	32.39	17.557		
1,600.0	1,598.8	1,566.3	1,566.3	3.4	31.3	-35.10	34.2	580.7	559.5	525.0	34.56	16.190		
1,700.0	1,698.2	1,665.7	1,665.7	3.6	33.3	-35.77	34.2	580.7	550.4	513.6	36.76	14.973		
1,800.0	1,797.6	1,765.1	1,765.1	3.9	35.3	-36.47	34.2	580.7	541.3	502.3	38.96	13.892		
1,900.0	1,896.9	1,864.4	1,864.4	4.1	37.3	-37.18	34.2	580.7	532.2	491.1	41.17	12.927		
2,000.0	1,996.3	1,963.8	1,963.8	4.4	39.3	-37.93	34.2	580.7	523.3	479.9	43.39	12.061		
2,100.0	2,095.7	2,063.2	2,063.2	4.7	41.3	-38.69	34.2	580.7	514.5	468.9	45.62	11.279		
2,200.0	2,195.0	2,162.5	2,162.5	5.0	43.3	-39.49	34.2	580.7	505.7	457.9	47.85	10.570		
2,300.0	2,294.4	2,261.9	2,261.9	5.2	45.2	-40.31	34.2	580.7	497.1	447.0	50.08	9.926		
2,400.0	2,393.8	2,361.3	2,361.3	5.5	47.2	-41.16	34.2	580.7	488.6	436.2	52.32	9.338		
2,500.0	2,493.1	2,460.6	2,460.6	5.8	49.2	-42.04	34.2	580.7	480.1	425.6	54.57	8.799		
2,600.0	2,592.5	2,560.0	2,560.0	6.1	51.2	-42.95	34.2	580.7	471.8	415.0	56.82	8.304		
2,700.0	2,691.9	2,659.4	2,659.4	6.4	53.2	-43.89	34.2	580.7	463.7	404.6	59.07	7.849		
2,800.0	2,791.2	2,758.7	2,758.7	6.7	55.2	-44.87	34.2	580.7	455.6	394.3	61.34	7.428		
2,900.0	2,890.6	2,858.1	2,858.1	7.0	57.2	-45.88	34.2	580.7	447.7	384.1	63.60	7.039		
3,000.0	2,990.0	2,957.5	2,957.5	7.3	59.1	-46.93	34.2	580.7	439.9	374.0	65.87	6.678		
3,100.0	3,089.3	3,056.8	3,056.8	7.6	61.1	-48.01	34.2	580.7	432.3	364.1	68.15	6.344		
3,200.0	3,188.7	3,156.2	3,156.2	7.9	63.1	-49.13	34.2	580.7	424.8	354.4	70.42	6.032		
3,300.0	3,288.1	3,255.6	3,255.6	8.2	65.1	-50.29	34.2	580.7	417.5	344.8	72.71	5.743		
3,400.0	3,387.4	3,354.9	3,354.9	8.5	67.1	-51.49	34.2	580.7	410.4	335.4	75.00	5.472		
3,500.0	3,486.8	3,454.3	3,454.3	8.8	69.1	-52.74	34.2	580.7	403.5	326.2	77.29	5.220		
3,600.0	3,586.2	3,553.7	3,553.7	9.1	71.1	-54.02	34.2	580.7	396.8	317.2	79.59	4.985		
3,700.0	3,685.5	3,653.0	3,653.0	9.4	73.1	-55.35	34.2	580.7	390.2	308.4	81.89	4.765		
3,800.0	3,784.9	3,752.4	3,752.4	9.7	75.0	-56.73	34.2	580.7	383.9	299.7	84.20	4.560		
3,900.0	3,884.3	3,851.8	3,851.8	10.0	77.0	-58.14	34.2	580.7	377.9	291.4	86.51	4.368		
4,000.0	3,983.6	3,951.1	3,951.1	10.3	79.0	-59.61	34.2	580.7	372.0	283.2	88.83	4.188		
4,100.0	4,083.0	4,050.5	4,050.5	10.6	81.0	-61.11	34.2	580.7	366.5	275.3	91.15	4.021		
4,200.0	4,182.4	4,149.9	4,149.9	10.9	83.0	-62.67	34.2	580.7	361.1	267.7	93.47	3.864		
4,300.0	4,281.7	4,249.2	4,249.2	11.2	85.0	-64.27	34.2	580.7	356.1	260.3	95.79	3.717		
4,400.0	4,381.1	4,348.6	4,348.6	11.5	87.0	-65.91	34.2	580.7	351.3	253.2	98.12	3.581		
4,500.0	4,480.5	4,448.0	4,448.0	11.8	89.0	-67.59	34.2	580.7	346.9	246.4	100.45	3.453		
4,600.0	4,579.8	4,547.3	4,547.3	12.1	90.9	-69.32	34.2	580.7	342.7	239.9	102.78	3.334		
4,700.0	4,679.2	4,646.7	4,646.7	12.4	92.9	-71.09	34.2	580.7	338.9	233.8	105.12	3.224		
4,800.0	4,778.6	4,746.1	4,746.1	12.7	94.9	-72.89	34.2	580.7	335.4	228.0	107.45	3.122		
4,900.0	4,877.9	4,845.4	4,845.4	13.0	96.9	-74.73	34.2	580.7	332.3	222.5	109.78	3.027		
5,000.0	4,977.3	4,944.8	4,944.8	13.3	98.9	-76.61	34.2	580.7	329.5	217.3	112.11	2.939		
5,100.0	5,076.7	5,044.2	5,044.2	13.6	100.9	-78.51	34.2	580.7	327.0	212.6	114.43	2.858		

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 L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Pad Sec.11-T1S-R68W - Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1													Offset Site Error: 0.0 ft
Survey Program: 8250-UNKNOWN													Offset Well Error: 0.0 ft
Reference	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	5,176.0	5,143.5	5,143.5	13.9	102.9	-80.44	34.2	580.7	325.0	208.2	116.76	2.783	
5,300.0	5,275.4	5,242.9	5,242.9	14.3	104.9	-82.39	34.2	580.7	323.3	204.2	119.08	2.715	
5,400.0	5,374.8	5,342.3	5,342.3	14.6	106.8	-84.36	34.2	580.7	322.0	200.6	121.39	2.652	
5,500.0	5,474.1	5,441.6	5,441.6	14.9	108.8	-86.34	34.2	580.7	321.0	197.4	123.70	2.595	
5,600.0	5,573.5	5,541.0	5,541.0	15.2	110.8	-88.33	34.2	580.7	320.5	194.5	126.00	2.544	
5,683.5	5,656.5	5,624.0	5,624.0	15.4	112.5	-90.00	34.2	580.7	320.4	192.5	127.91	2.505 CC	
5,700.0	5,672.9	5,640.4	5,640.4	15.5	112.8	-90.33	34.2	580.7	320.4	192.1	128.29	2.497	
5,800.0	5,772.2	5,739.7	5,739.7	15.8	114.8	-92.32	34.2	580.7	320.7	190.1	130.57	2.456	
5,900.0	5,871.6	5,839.1	5,839.1	16.1	116.8	-94.31	34.2	580.7	321.3	188.5	132.85	2.419	
6,000.0	5,971.0	5,938.5	5,938.5	16.4	118.8	-96.29	34.2	580.7	322.4	187.2	135.12	2.386	
6,100.0	6,070.3	6,037.8	6,037.8	16.7	120.8	-98.26	34.2	580.7	323.8	186.4	137.38	2.357	
6,200.0	6,169.7	6,137.2	6,137.2	17.0	122.7	-100.20	34.2	580.7	325.6	186.0	139.63	2.332	
6,300.0	6,269.1	6,236.6	6,236.6	17.3	124.7	-102.12	34.2	580.7	327.8	185.9	141.87	2.311 ES	
6,400.0	6,368.4	6,335.9	6,335.9	17.6	126.7	-104.02	34.2	580.7	330.3	186.2	144.10	2.292	
6,500.0	6,467.8	6,435.3	6,435.3	18.0	128.7	-105.88	34.2	580.7	333.3	186.9	146.32	2.278	
6,600.0	6,567.2	6,534.7	6,534.7	18.3	130.7	-107.71	34.2	580.7	336.5	188.0	148.53	2.266	
6,700.0	6,666.5	6,634.0	6,634.0	18.6	132.7	-109.50	34.2	580.7	340.1	189.4	150.74	2.256	
6,800.0	6,766.1	6,733.6	6,733.6	18.8	134.7	-111.10	34.2	580.7	343.6	190.6	152.96	2.246	
6,900.0	6,865.8	6,833.3	6,833.3	19.0	136.7	-112.14	34.2	580.7	345.9	190.8	155.14	2.230	
7,000.0	6,965.8	6,933.3	6,933.3	19.2	138.7	-112.61	34.2	580.7	347.1	189.8	157.31	2.206	
7,100.0	7,065.8	7,033.3	7,033.3	19.4	140.7	7.40	34.2	580.7	347.1	187.7	159.47	2.177	
7,144.0	7,109.8	7,077.3	7,077.3	19.4	141.5	-172.44	34.2	580.7	347.6	187.2	160.39	2.167	
7,200.0	7,165.8	7,133.3	7,133.3	19.5	142.7	-172.44	34.2	580.7	347.9	186.5	161.47	2.155 SF	
7,300.0	7,265.0	7,232.5	7,232.5	19.7	144.7	-172.56	34.2	580.7	359.5	198.4	161.11	2.231	
7,400.0	7,361.7	7,329.2	7,329.2	20.1	146.6	-172.79	34.2	580.7	384.7	227.1	157.61	2.441	
7,500.0	7,453.8	7,421.3	7,421.3	20.5	148.4	-173.06	34.2	580.7	423.1	272.1	150.94	2.803	
7,600.0	7,539.7	7,507.2	7,507.2	21.0	150.1	-173.27	34.2	580.7	473.8	332.7	141.16	3.357	
7,700.0	7,617.7	7,585.2	7,585.2	21.6	151.7	-173.35	34.2	580.7	536.1	407.6	128.46	4.173	
7,800.0	7,686.2	7,653.7	7,653.7	22.3	153.1	-173.21	34.2	580.7	608.6	495.4	113.18	5.377	
7,900.0	7,743.9	7,711.4	7,711.4	23.2	154.2	-172.71	34.2	580.7	689.9	594.0	95.90	7.195	
8,000.0	7,789.7	7,757.2	7,757.2	24.2	155.1	-171.53	34.2	580.7	778.6	700.8	77.79	10.008	
8,100.0	7,822.7	7,790.2	7,790.2	25.3	155.8	-168.73	34.2	580.7	872.7	810.1	62.66	13.928	
8,200.0	7,842.2	7,809.7	7,809.7	26.5	156.2	-159.57	34.2	580.7	970.6	900.1	70.46	13.775	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Existing Pad Sec.11-T1S-R68W - North York Land Assoc 1-14 (Exist.) - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 8799-UNKNOWN													
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
11,600.0	7,840.9	7,827.4	7,827.4	85.0	156.5	90.23	-5,204.5	85.5	985.3	744.3	241.01	4.088	
11,700.0	7,840.7	7,827.2	7,827.2	86.9	156.5	90.20	-5,204.5	85.5	898.5	655.6	242.88	3.699	
11,800.0	7,840.5	7,827.0	7,827.0	88.7	156.5	90.18	-5,204.5	85.5	814.7	569.9	244.75	3.329	
11,900.0	7,840.2	7,826.7	7,826.7	90.6	156.5	90.15	-5,204.5	85.5	735.0	488.3	246.62	2.980	
12,000.0	7,840.0	7,826.5	7,826.5	92.5	156.5	90.12	-5,204.5	85.5	660.7	412.2	248.50	2.659	
12,100.0	7,839.8	7,826.3	7,826.3	94.3	156.5	90.10	-5,204.5	85.5	594.1	343.8	250.37	2.373	
12,200.0	7,839.6	7,826.1	7,826.1	96.2	156.5	90.07	-5,204.5	85.5	538.0	285.7	252.25	2.133	
12,300.0	7,839.4	7,825.9	7,825.9	98.1	156.5	90.04	-5,204.5	85.5	495.9	241.7	254.13	1.951	
12,400.0	7,839.2	7,825.7	7,825.7	100.0	156.5	90.02	-5,204.5	85.5	471.5	215.5	256.01	1.842	
12,467.8	7,839.0	7,825.5	7,825.5	101.2	156.5	90.00	-5,204.5	85.5	466.6	209.3	257.29	1.813 CC, ES, SF	
12,500.0	7,838.9	7,825.4	7,825.4	101.8	156.5	89.99	-5,204.5	85.5	467.7	209.8	257.89	1.814	
12,600.0	7,838.7	7,825.2	7,825.2	103.7	156.5	89.97	-5,204.5	85.5	484.9	225.2	259.77	1.867	
12,700.0	7,838.5	7,825.0	7,825.0	105.6	156.5	89.94	-5,204.5	85.5	521.2	259.5	261.66	1.992	
12,800.0	7,838.3	7,824.8	7,824.8	107.5	156.5	89.91	-5,204.5	85.5	572.7	309.2	263.54	2.173	
12,900.0	7,838.1	7,824.6	7,824.6	109.4	156.5	89.89	-5,204.5	85.5	636.0	370.5	265.43	2.396	
13,000.0	7,837.9	7,824.4	7,824.4	111.2	156.5	89.86	-5,204.5	85.5	707.7	440.4	267.31	2.648	
13,100.0	7,837.7	7,824.2	7,824.2	113.1	156.5	89.83	-5,204.5	85.5	785.7	516.5	269.20	2.919	
13,200.0	7,837.4	7,823.9	7,823.9	115.0	156.5	89.81	-5,204.5	85.5	868.2	597.1	271.09	3.203	
13,300.0	7,837.2	7,823.7	7,823.7	116.9	156.5	89.78	-5,204.5	85.5	954.0	681.1	272.98	3.495	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey J-14-23HN - Wellbore #1 - Plan #2 (11-4-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-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		
700.0	700.0	700.0	700.0	1.5	1.5	-156.97	-27.7	-11.8	30.1	27.2	2.92	10.296		
800.0	800.0	800.0	800.0	1.7	1.7	-156.97	-27.7	-11.8	30.1	26.7	3.37	8.923		
900.0	900.0	900.0	900.0	1.9	1.9	-156.97	-27.7	-11.8	30.1	26.3	3.82	7.873		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-156.97	-27.7	-11.8	30.1	25.8	4.27	7.045		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-156.97	-27.7	-11.8	30.1	25.4	4.72	6.374		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-156.97	-27.7	-11.8	30.1	24.9	5.17	5.819		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	86.31	-27.7	-11.8	29.9	24.3	5.60	5.344		
1,345.0	1,345.0	1,345.0	1,345.0	2.9	2.9	90.00	-27.7	-11.8	29.9	24.1	5.79	5.161 CC		
1,400.0	1,399.8	1,399.8	1,399.8	3.0	3.0	96.31	-27.7	-11.8	30.0	24.0	6.01	4.996 ES		
1,500.0	1,499.5	1,499.5	1,499.5	3.2	3.3	111.82	-27.7	-11.8	32.2	25.8	6.44	5.001		
1,600.0	1,598.8	1,598.8	1,598.8	3.4	3.5	127.63	-27.7	-11.8	37.8	30.9	6.86	5.509		
1,700.0	1,698.2	1,698.2	1,698.2	3.6	3.7	138.86	-27.7	-11.8	45.6	38.3	7.29	6.251		
1,800.0	1,797.6	1,797.6	1,797.6	3.9	3.9	146.64	-27.7	-11.8	54.5	46.8	7.71	7.069		
1,900.0	1,896.9	1,896.2	1,896.2	4.1	4.1	150.76	-29.2	-12.4	64.8	56.7	8.12	7.977		
2,000.0	1,996.3	1,994.7	1,994.5	4.4	4.3	151.31	-33.8	-14.2	76.4	67.9	8.52	8.970		
2,100.0	2,095.7	2,092.8	2,092.3	4.7	4.5	149.66	-41.6	-17.3	89.2	80.3	8.93	9.990		
2,200.0	2,195.0	2,191.7	2,190.7	5.0	4.7	147.44	-51.1	-21.1	102.8	93.5	9.36	10.982		
2,300.0	2,294.4	2,290.7	2,289.1	5.2	4.9	145.73	-60.7	-24.9	116.6	106.8	9.81	11.884		
2,400.0	2,393.8	2,389.7	2,387.6	5.5	5.1	144.39	-70.3	-28.7	130.4	120.1	10.27	12.701		
2,500.0	2,493.1	2,488.7	2,486.1	5.8	5.3	143.30	-79.9	-32.5	144.3	133.5	10.73	13.441		
2,600.0	2,592.5	2,587.7	2,584.5	6.1	5.5	142.40	-89.4	-36.3	158.2	147.0	11.21	14.113		
2,700.0	2,691.9	2,686.7	2,683.0	6.4	5.8	141.65	-99.0	-40.1	172.2	160.5	11.69	14.723		
2,800.0	2,791.2	2,785.7	2,781.5	6.7	6.0	141.02	-108.6	-43.9	186.1	174.0	12.18	15.279		
2,900.0	2,890.6	2,884.7	2,879.9	7.0	6.2	140.47	-118.1	-47.7	200.1	187.5	12.68	15.786		
3,000.0	2,990.0	2,983.7	2,978.4	7.3	6.5	139.99	-127.7	-51.5	214.2	201.0	13.18	16.250		
3,100.0	3,089.3	3,082.7	3,076.8	7.6	6.7	139.57	-137.3	-55.3	228.2	214.5	13.68	16.676		
3,200.0	3,188.7	3,181.7	3,175.3	7.9	7.0	139.20	-146.8	-59.1	242.2	228.0	14.19	17.067		
3,300.0	3,288.1	3,280.7	3,273.8	8.2	7.3	138.87	-156.4	-62.9	256.3	241.6	14.70	17.428		
3,400.0	3,387.4	3,379.7	3,372.2	8.5	7.5	138.57	-166.0	-66.7	270.3	255.1	15.22	17.760		
3,500.0	3,486.8	3,478.7	3,470.7	8.8	7.8	138.31	-175.6	-70.5	284.4	268.6	15.74	18.068		
3,600.0	3,586.2	3,577.7	3,569.1	9.1	8.1	138.07	-185.1	-74.3	298.4	282.2	16.26	18.354		
3,700.0	3,685.5	3,676.7	3,667.6	9.4	8.3	137.85	-194.7	-78.1	312.5	295.7	16.78	18.620		
3,800.0	3,784.9	3,775.7	3,766.1	9.7	8.6	137.65	-204.3	-81.9	326.6	309.3	17.31	18.867		
3,900.0	3,884.3	3,874.7	3,864.5	10.0	8.9	137.46	-213.8	-85.7	340.7	322.8	17.84	19.098		
4,000.0	3,983.6	3,973.7	3,963.0	10.3	9.2	137.29	-223.4	-89.5	354.8	336.4	18.37	19.314		
4,100.0	4,083.0	4,072.7	4,061.4	10.6	9.4	137.14	-233.0	-93.3	368.8	349.9	18.90	19.516		
4,200.0	4,182.4	4,171.7	4,159.9	10.9	9.7	136.99	-242.5	-97.1	382.9	363.5	19.43	19.706		
4,300.0	4,281.7	4,270.7	4,258.4	11.2	10.0	136.86	-252.1	-100.9	397.0	377.0	19.97	19.884		
4,400.0	4,381.1	4,369.7	4,356.8	11.5	10.3	136.73	-261.7	-104.7	411.1	390.6	20.50	20.052		
4,500.0	4,480.5	4,468.7	4,455.3	11.8	10.6	136.62	-271.3	-108.5	425.2	404.2	21.04	20.210		
4,600.0	4,579.8	4,567.7	4,553.8	12.1	10.8	136.51	-280.8	-112.3	439.3	417.7	21.58	20.359		
4,700.0	4,679.2	4,666.7	4,652.2	12.4	11.1	136.40	-290.4	-116.1	453.4	431.3	22.12	20.501		
4,800.0	4,778.6	4,770.7	4,755.7	12.7	11.4	136.35	-300.0	-119.9	467.2	444.6	22.65	20.624		
4,900.0	4,877.9	4,880.3	4,865.1	13.0	11.6	136.66	-306.7	-122.6	479.2	456.0	23.16	20.691		
5,000.0	4,977.3	4,990.2	4,974.9	13.3	11.9	137.36	-309.6	-123.7	489.0	465.4	23.63	20.693		

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 L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey J-14-23HN - Wellbore #1 - Plan #2 (11-4-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,076.7	5,092.0	5,076.7	13.6	12.0	138.25	-309.7	-123.8	497.4	473.3	24.08	20.659	
5,200.0	5,176.0	5,191.3	5,176.0	13.9	12.2	139.09	-309.7	-123.8	505.8	481.3	24.51	20.638	
5,300.0	5,275.4	5,290.7	5,275.4	14.3	12.4	139.91	-309.7	-123.8	514.4	489.5	24.94	20.622	
5,400.0	5,374.8	5,390.1	5,374.8	14.6	12.6	140.70	-309.7	-123.8	523.1	497.7	25.38	20.612	
5,500.0	5,474.1	5,489.4	5,474.1	14.9	12.8	141.46	-309.7	-123.8	531.8	506.0	25.81	20.606	
5,600.0	5,573.5	5,588.8	5,573.5	15.2	12.9	142.20	-309.7	-123.8	540.7	514.4	26.24	20.604	
5,700.0	5,672.9	5,688.2	5,672.9	15.5	13.1	142.92	-309.7	-123.8	549.6	523.0	26.67	20.606	
5,800.0	5,772.2	5,787.5	5,772.2	15.8	13.3	143.61	-309.7	-123.8	558.7	531.5	27.11	20.611	
5,900.0	5,871.6	5,886.9	5,871.6	16.1	13.5	144.28	-309.7	-123.8	567.8	540.2	27.54	20.618	
6,000.0	5,971.0	5,986.3	5,971.0	16.4	13.7	144.93	-309.7	-123.8	576.9	549.0	27.97	20.628	
6,100.0	6,070.3	6,085.6	6,070.3	16.7	13.9	145.56	-309.7	-123.8	586.2	557.8	28.40	20.641	
6,200.0	6,169.7	6,185.0	6,169.7	17.0	14.1	146.17	-309.7	-123.8	595.5	566.7	28.83	20.655	
6,300.0	6,269.1	6,284.4	6,269.1	17.3	14.2	146.77	-309.7	-123.8	604.9	575.6	29.26	20.671	
6,400.0	6,368.4	6,383.7	6,368.4	17.6	14.4	147.34	-309.7	-123.8	614.3	584.6	29.69	20.689	
6,500.0	6,467.8	6,483.1	6,467.8	18.0	14.6	147.89	-309.7	-123.8	623.8	593.7	30.13	20.707	
6,600.0	6,567.2	6,582.5	6,567.2	18.3	14.8	148.43	-309.7	-123.8	633.4	602.8	30.56	20.728	
6,700.0	6,666.5	6,681.8	6,666.5	18.6	15.0	148.96	-309.7	-123.8	643.0	612.0	30.99	20.749	
6,800.0	6,766.1	6,781.3	6,766.1	18.8	15.2	149.48	-309.7	-123.8	651.5	620.1	31.42	20.734	
6,900.0	6,865.8	6,881.1	6,865.8	19.0	15.4	149.82	-309.7	-123.8	657.1	625.2	31.80	20.660	
7,000.0	6,965.8	6,981.1	6,965.8	19.2	15.6	149.97	-309.7	-123.8	659.6	627.4	32.16	20.509	
7,100.0	7,065.8	7,081.1	7,065.8	19.4	15.8	-90.01	-310.1	-123.8	659.8	627.2	32.53	20.282	
7,126.6	7,092.4	7,107.7	7,092.4	19.4	15.9	90.06	-311.5	-123.8	659.8	627.1	32.65	20.206	
7,200.0	7,165.8	7,180.3	7,164.4	19.5	16.1	89.34	-320.3	-123.7	659.8	626.8	33.01	19.986	
7,300.0	7,265.0	7,277.6	7,258.9	19.7	16.4	88.28	-343.5	-123.7	660.1	626.4	33.65	19.615	
7,400.0	7,361.7	7,373.4	7,347.9	20.1	16.8	87.26	-378.6	-123.6	660.6	626.1	34.46	19.171	
7,500.0	7,453.8	7,467.8	7,430.3	20.5	17.3	86.29	-424.5	-123.5	661.2	625.8	35.44	18.658	
7,600.0	7,539.7	7,561.0	7,505.0	21.0	17.9	85.40	-480.0	-123.3	662.0	625.4	36.61	18.081	
7,700.0	7,617.7	7,653.0	7,571.1	21.6	18.6	84.59	-544.0	-123.2	662.8	624.8	38.00	17.445	
7,800.0	7,686.2	7,744.1	7,627.9	22.3	19.4	83.88	-615.2	-123.0	663.7	624.1	39.60	16.761	
7,900.0	7,743.9	7,834.5	7,674.9	23.2	20.4	83.29	-692.3	-122.8	664.5	623.1	41.42	16.043	
8,000.0	7,789.7	7,924.2	7,711.5	24.2	21.4	82.81	-774.1	-122.6	665.2	621.8	43.45	15.311	
8,100.0	7,822.7	8,013.4	7,737.6	25.3	22.5	82.46	-859.4	-122.4	665.8	620.1	45.66	14.580	
8,200.0	7,842.2	8,100.0	7,752.5	26.5	23.7	82.24	-944.6	-122.1	666.1	618.1	48.01	13.875	
8,300.0	7,848.0	8,192.7	7,757.0	27.8	25.0	82.15	-1,037.2	-121.9	666.3	615.7	50.57	13.175	
8,400.0	7,847.8	8,292.7	7,756.8	29.2	26.5	82.15	-1,137.2	-121.6	666.3	612.8	53.47	12.462	
8,500.0	7,847.6	8,392.7	7,756.6	30.6	28.0	82.15	-1,237.2	-121.2	666.3	609.8	56.47	11.799	
8,600.0	7,847.3	8,492.7	7,756.4	32.1	29.6	82.15	-1,337.2	-120.9	666.3	606.7	59.57	11.185	
8,700.0	7,847.1	8,592.7	7,756.2	33.6	31.2	82.15	-1,437.2	-120.6	666.3	603.6	62.74	10.620	
8,800.0	7,846.9	8,692.7	7,756.0	35.2	32.9	82.16	-1,537.2	-120.2	666.3	600.3	65.98	10.098	
8,900.0	7,846.7	8,792.7	7,755.8	36.8	34.5	82.16	-1,637.2	-119.9	666.3	597.0	69.28	9.617	
9,000.0	7,846.5	8,892.7	7,755.6	38.4	36.2	82.16	-1,737.2	-119.6	666.3	593.7	72.63	9.174	
9,100.0	7,846.3	8,992.7	7,755.4	40.0	38.0	82.16	-1,837.2	-119.2	666.3	590.3	76.02	8.765	
9,200.0	7,846.0	9,092.7	7,755.2	41.7	39.7	82.16	-1,937.2	-118.9	666.3	586.9	79.44	8.387	
9,300.0	7,845.8	9,192.7	7,755.0	43.4	41.4	82.16	-2,037.2	-118.6	666.3	583.4	82.90	8.037	
9,400.0	7,845.6	9,292.7	7,754.8	45.1	43.2	82.16	-2,137.2	-118.2	666.3	579.9	86.39	7.713	
9,500.0	7,845.4	9,392.7	7,754.6	46.8	45.0	82.16	-2,237.2	-117.9	666.3	576.4	89.91	7.411	
9,600.0	7,845.2	9,492.7	7,754.4	48.6	46.8	82.16	-2,337.2	-117.6	666.3	572.9	93.44	7.131	
9,700.0	7,845.0	9,592.7	7,754.2	50.3	48.6	82.17	-2,437.2	-117.2	666.3	569.3	97.00	6.869	
9,800.0	7,844.8	9,692.7	7,754.0	52.1	50.4	82.17	-2,537.2	-116.9	666.3	565.7	100.57	6.625	
9,900.0	7,844.5	9,792.7	7,753.7	53.9	52.2	82.17	-2,637.2	-116.6	666.3	562.2	104.16	6.397	
10,000.0	7,844.3	9,892.7	7,753.5	55.7	54.0	82.17	-2,737.2	-116.3	666.3	558.5	107.77	6.183	
10,100.0	7,844.1	9,992.7	7,753.3	57.5	55.8	82.17	-2,837.2	-115.9	666.3	554.9	111.38	5.982	

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 L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey J-14-23HN - Wellbore #1 - Plan #2 (11-4-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
10,200.0	7,843.9	10,092.7	7,753.1	59.3	57.7	82.17	-2,937.2	-115.6	666.3	551.3	115.01	5.793	
10,300.0	7,843.7	10,192.7	7,752.9	61.1	59.5	82.17	-3,037.2	-115.3	666.3	547.7	118.65	5.616	
10,400.0	7,843.5	10,292.7	7,752.7	62.9	61.4	82.17	-3,137.2	-114.9	666.3	544.0	122.31	5.448	
10,500.0	7,843.3	10,392.7	7,752.5	64.7	63.2	82.18	-3,237.2	-114.6	666.3	540.4	125.96	5.290	
10,600.0	7,843.0	10,492.7	7,752.3	66.5	65.1	82.18	-3,337.2	-114.3	666.3	536.7	129.63	5.140	
10,700.0	7,842.8	10,592.7	7,752.1	68.4	66.9	82.18	-3,437.2	-113.9	666.3	533.0	133.31	4.998	
10,800.0	7,842.6	10,692.7	7,751.9	70.2	68.8	82.18	-3,537.2	-113.6	666.3	529.3	136.99	4.864	
10,900.0	7,842.4	10,792.7	7,751.7	72.0	70.6	82.18	-3,637.2	-113.3	666.3	525.6	140.68	4.737	
11,000.0	7,842.2	10,892.7	7,751.5	73.9	72.5	82.18	-3,737.2	-112.9	666.3	521.9	144.37	4.615	
11,100.0	7,842.0	10,992.7	7,751.3	75.7	74.4	82.18	-3,837.2	-112.6	666.3	518.2	148.07	4.500	
11,200.0	7,841.7	11,092.7	7,751.1	77.6	76.2	82.18	-3,937.2	-112.3	666.3	514.5	151.78	4.390	
11,300.0	7,841.5	11,192.7	7,750.9	79.4	78.1	82.18	-4,037.1	-111.9	666.3	510.8	155.49	4.285	
11,400.0	7,841.3	11,292.7	7,750.7	81.3	80.0	82.19	-4,137.1	-111.6	666.3	507.1	159.20	4.185	
11,500.0	7,841.1	11,392.7	7,750.5	83.1	81.9	82.19	-4,237.1	-111.3	666.3	503.4	162.92	4.090	
11,600.0	7,840.9	11,492.7	7,750.3	85.0	83.7	82.19	-4,337.1	-110.9	666.3	499.7	166.64	3.999	
11,700.0	7,840.7	11,592.7	7,750.1	86.9	85.6	82.19	-4,437.1	-110.6	666.3	496.0	170.36	3.911	
11,800.0	7,840.5	11,692.7	7,749.9	88.7	87.5	82.19	-4,537.1	-110.3	666.3	492.2	174.09	3.827	
11,900.0	7,840.2	11,792.7	7,749.7	90.6	89.4	82.19	-4,637.1	-110.0	666.3	488.5	177.82	3.747	
12,000.0	7,840.0	11,892.7	7,749.5	92.5	91.3	82.19	-4,737.1	-109.6	666.3	484.8	181.56	3.670	
12,100.0	7,839.8	11,992.7	7,749.3	94.3	93.2	82.19	-4,837.1	-109.3	666.3	481.0	185.30	3.596	
12,200.0	7,839.6	12,092.7	7,749.1	96.2	95.0	82.20	-4,937.1	-109.0	666.3	477.3	189.04	3.525	
12,300.0	7,839.4	12,192.7	7,748.9	98.1	96.9	82.20	-5,037.1	-108.6	666.3	473.5	192.78	3.456	
12,400.0	7,839.2	12,292.7	7,748.7	100.0	98.8	82.20	-5,137.1	-108.3	666.3	469.8	196.52	3.391	
12,500.0	7,838.9	12,392.7	7,748.5	101.8	100.7	82.20	-5,237.1	-108.0	666.3	466.1	200.27	3.327	
12,600.0	7,838.7	12,492.7	7,748.3	103.7	102.6	82.20	-5,337.1	-107.6	666.3	462.3	204.02	3.266	
12,700.0	7,838.5	12,592.7	7,748.1	105.6	104.5	82.20	-5,437.1	-107.3	666.3	458.6	207.77	3.207	
12,800.0	7,838.3	12,692.7	7,747.9	107.5	106.4	82.20	-5,537.1	-107.0	666.3	454.8	211.52	3.150	
12,900.0	7,838.1	12,792.7	7,747.7	109.4	108.3	82.20	-5,637.1	-106.6	666.3	451.1	215.28	3.095	
13,000.0	7,837.9	12,892.7	7,747.5	111.2	110.2	82.20	-5,737.1	-106.3	666.3	447.3	219.03	3.042	
13,100.0	7,837.7	12,992.7	7,747.3	113.1	112.1	82.21	-5,837.1	-106.0	666.3	443.5	222.79	2.991	
13,200.0	7,837.4	13,092.7	7,747.1	115.0	114.0	82.21	-5,937.1	-105.6	666.3	439.8	226.55	2.941	
13,300.0	7,837.2	13,192.7	7,746.9	116.9	115.9	82.21	-6,037.1	-105.3	666.3	436.0	230.31	2.893	
13,400.0	7,837.0	13,292.7	7,746.7	118.8	117.8	82.21	-6,137.1	-105.0	666.3	432.3	234.07	2.847	
13,500.0	7,836.8	13,392.7	7,746.5	120.7	119.7	82.21	-6,237.1	-104.7	666.3	428.5	237.84	2.802	
13,600.0	7,836.6	13,492.7	7,746.3	122.6	121.6	82.21	-6,337.1	-104.3	666.3	424.7	241.60	2.758	
13,700.0	7,836.4	13,592.7	7,746.1	124.5	123.5	82.21	-6,437.1	-104.0	666.3	421.0	245.37	2.716	
13,800.0	7,836.2	13,692.7	7,745.9	126.3	125.4	82.21	-6,537.1	-103.7	666.3	417.2	249.13	2.675	
13,900.0	7,835.9	13,792.7	7,745.7	128.2	127.3	82.22	-6,637.1	-103.3	666.3	413.4	252.90	2.635	
14,000.0	7,835.7	13,892.7	7,745.5	130.1	129.2	82.22	-6,737.1	-103.0	666.3	409.7	256.67	2.596	
14,100.0	7,835.5	13,992.7	7,745.3	132.0	131.1	82.22	-6,837.1	-102.7	666.3	405.9	260.44	2.559	
14,200.0	7,835.3	14,092.7	7,745.1	133.9	133.0	82.22	-6,937.1	-102.3	666.3	402.1	264.21	2.522	
14,300.0	7,835.1	14,192.7	7,744.9	135.8	134.9	82.22	-7,037.1	-102.0	666.3	398.4	267.98	2.487	
14,400.0	7,834.9	14,292.7	7,744.7	137.7	136.8	82.22	-7,137.1	-101.7	666.3	394.6	271.75	2.452	
14,500.0	7,834.6	14,392.7	7,744.5	139.6	138.7	82.22	-7,237.1	-101.3	666.3	390.8	275.53	2.418	
14,600.0	7,834.4	14,492.7	7,744.3	141.5	140.6	82.22	-7,337.1	-101.0	666.3	387.0	279.30	2.386	
14,700.0	7,834.2	14,592.7	7,744.1	143.4	142.5	82.22	-7,437.1	-100.7	666.3	383.3	283.08	2.354	
14,800.0	7,834.0	14,692.7	7,743.9	145.3	144.4	82.23	-7,537.1	-100.3	666.3	379.5	286.85	2.323	
14,900.0	7,833.8	14,792.7	7,743.7	147.2	146.3	82.23	-7,637.1	-100.0	666.3	375.7	290.63	2.293	
15,000.0	7,833.6	14,892.7	7,743.5	149.1	148.2	82.23	-7,737.1	-99.7	666.3	371.9	294.41	2.263	
15,100.0	7,833.4	14,992.7	7,743.3	151.0	150.1	82.23	-7,837.1	-99.3	666.3	368.2	298.18	2.235	
15,200.0	7,833.1	15,092.7	7,743.1	152.9	152.0	82.23	-7,937.1	-99.0	666.3	364.4	301.96	2.207	
15,300.0	7,832.9	15,192.7	7,742.9	154.8	153.9	82.23	-8,037.1	-98.7	666.3	360.6	305.74	2.179	

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 L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey J-14-23HN - Wellbore #1 - Plan #2 (11-4-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,400.0	7,832.7	15,292.7	7,742.7	156.7	155.8	82.23	-8,137.1	-98.4	666.3	356.8	309.52	2.153	
15,500.0	7,832.5	15,392.7	7,742.4	158.6	157.7	82.23	-8,237.1	-98.0	666.3	353.0	313.30	2.127	
15,600.0	7,832.3	15,492.7	7,742.2	160.5	159.6	82.23	-8,337.1	-97.7	666.3	349.3	317.08	2.101	
15,700.0	7,832.1	15,592.7	7,742.0	162.4	161.5	82.24	-8,437.1	-97.4	666.3	345.5	320.86	2.077	
15,711.0	7,832.0	15,603.7	7,742.0	162.6	161.7	82.24	-8,448.1	-97.3	666.3	345.1	321.28	2.074	
15,729.8	7,832.0	15,615.0	7,742.0	163.0	161.9	82.24	-8,459.4	-97.3	666.4	344.5	321.85	2.071 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey K-14-23HN - Wellbore #1 - Plan #2 (11-4-14)													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	-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	66.924		
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	9.561		
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		
700.0	700.0	700.0	700.0	1.5	1.5	-156.97	-13.8	-5.9	15.0	12.1	2.92	5.148		
800.0	800.0	800.0	800.0	1.7	1.7	-156.97	-13.8	-5.9	15.0	11.7	3.37	4.462		
900.0	900.0	900.0	900.0	1.9	1.9	-156.97	-13.8	-5.9	15.0	11.2	3.82	3.937		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-156.97	-13.8	-5.9	15.0	10.8	4.27	3.522		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-156.97	-13.8	-5.9	15.0	10.3	4.72	3.187		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-156.97	-13.8	-5.9	15.0	9.9	5.17	2.910		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	89.65	-13.8	-5.9	14.9	9.3	5.60	2.667		
1,302.6	1,302.5	1,302.5	1,302.5	2.8	2.8	90.00	-13.8	-5.9	14.9	9.3	5.61	2.662 CC		
1,400.0	1,399.8	1,399.8	1,399.8	3.0	3.0	108.96	-13.8	-5.9	15.8	9.8	6.01	2.627		
1,500.0	1,499.5	1,499.5	1,499.5	3.2	3.3	132.71	-13.8	-5.9	20.4	13.9	6.42	3.171		
1,600.0	1,598.8	1,598.8	1,598.8	3.4	3.5	149.00	-13.8	-5.9	29.1	22.3	6.84	4.260		
1,700.0	1,698.2	1,698.2	1,698.2	3.6	3.7	157.48	-13.8	-5.9	39.2	31.9	7.26	5.400		
1,800.0	1,797.6	1,797.6	1,797.6	3.9	3.9	162.44	-13.8	-5.9	49.8	42.1	7.69	6.475		
1,900.0	1,896.9	1,896.9	1,896.9	4.1	4.2	165.64	-13.8	-5.9	60.6	52.5	8.12	7.463		
2,000.0	1,996.3	1,996.3	1,996.3	4.4	4.4	167.88	-13.8	-5.9	71.5	63.0	8.55	8.363		
2,100.0	2,095.7	2,097.9	2,097.9	4.7	4.6	168.87	-15.2	-4.9	81.2	72.2	8.97	9.054		
2,200.0	2,195.0	2,200.2	2,200.0	5.0	4.8	168.30	-19.5	-1.8	88.0	78.6	9.37	9.396		
2,300.0	2,294.4	2,302.6	2,302.1	5.2	5.0	166.46	-26.8	3.4	92.0	82.2	9.78	9.406		
2,400.0	2,393.8	2,404.9	2,403.6	5.5	5.2	163.35	-37.1	10.7	93.3	83.1	10.21	9.138		
2,500.0	2,493.1	2,504.7	2,502.4	5.8	5.4	159.73	-48.4	18.8	93.8	83.1	10.67	8.791		
2,600.0	2,592.5	2,604.6	2,601.3	6.1	5.6	156.16	-59.7	26.8	94.6	83.4	11.14	8.488		
2,700.0	2,691.9	2,704.4	2,700.1	6.4	5.8	152.67	-71.0	34.9	95.8	84.1	11.65	8.223		
2,800.0	2,791.2	2,804.2	2,799.0	6.7	6.1	149.27	-82.3	43.0	97.3	85.1	12.17	7.994		
2,900.0	2,890.6	2,904.0	2,897.8	7.0	6.4	145.99	-93.6	51.0	99.1	86.4	12.72	7.795		
3,000.0	2,990.0	3,003.9	2,996.7	7.3	6.6	142.84	-104.8	59.1	101.3	88.0	13.29	7.625		
3,100.0	3,089.3	3,103.7	3,095.6	7.6	6.9	139.83	-116.1	67.1	103.8	89.9	13.87	7.481		
3,200.0	3,188.7	3,203.5	3,194.4	7.9	7.2	136.97	-127.4	75.2	106.5	92.0	14.48	7.359		
3,300.0	3,288.1	3,303.3	3,293.3	8.2	7.5	134.25	-138.7	83.3	109.5	94.4	15.09	7.258		
3,400.0	3,387.4	3,403.2	3,392.1	8.5	7.8	131.69	-150.0	91.3	112.7	97.0	15.71	7.174		
3,500.0	3,486.8	3,503.0	3,491.0	8.8	8.1	129.27	-161.3	99.4	116.2	99.8	16.35	7.107		
3,600.0	3,586.2	3,602.8	3,589.8	9.1	8.4	126.99	-172.6	107.4	119.8	102.8	16.99	7.054		
3,700.0	3,685.5	3,702.6	3,688.7	9.4	8.7	124.86	-183.9	115.5	123.6	106.0	17.63	7.012		
3,800.0	3,784.9	3,802.5	3,787.5	9.7	9.0	122.85	-195.2	123.6	127.6	109.3	18.27	6.982		
3,900.0	3,884.3	3,902.3	3,886.4	10.0	9.3	120.96	-206.5	131.6	131.7	112.8	18.92	6.960		
4,000.0	3,983.6	4,002.1	3,985.2	10.3	9.6	119.19	-217.8	139.7	136.0	116.4	19.57	6.946		
4,100.0	4,083.0	4,101.9	4,084.1	10.6	10.0	117.53	-229.1	147.7	140.3	120.1	20.22	6.939		
4,200.0	4,182.4	4,201.7	4,183.0	10.9	10.3	115.97	-240.4	155.8	144.8	124.0	20.87	6.938		
4,300.0	4,281.7	4,301.6	4,281.8	11.2	10.6	114.51	-251.7	163.9	149.4	127.9	21.52	6.942		
4,400.0	4,381.1	4,401.4	4,380.7	11.5	10.9	113.13	-262.9	171.9	154.1	131.9	22.17	6.950		
4,500.0	4,480.5	4,501.2	4,479.5	11.8	11.2	111.84	-274.2	180.0	158.9	136.0	22.82	6.961		
4,600.0	4,579.8	4,601.0	4,578.4	12.1	11.6	110.62	-285.5	188.0	163.7	140.2	23.47	6.975		
4,700.0	4,679.2	4,701.2	4,677.7	12.4	11.9	109.81	-296.0	195.5	168.5	144.4	24.08	6.999		
4,800.0	4,778.6	4,801.6	4,777.6	12.7	12.1	110.18	-303.8	201.1	173.1	148.5	24.61	7.033		
4,900.0	4,877.9	4,901.7	4,877.6	13.0	12.3	111.65	-308.7	204.6	177.5	152.4	25.10	7.072		
5,000.0	4,977.3	5,001.5	4,977.3	13.3	12.5	114.14	-310.8	206.1	181.9	156.4	25.52	7.129		

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 L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey K-14-23HN - Wellbore #1 - Plan #2 (11-4-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,076.7	5,100.9	5,076.7	13.6	12.7	117.24	-310.8	206.1	186.8	160.9	25.90	7.214	
5,200.0	5,176.0	5,200.2	5,176.0	13.9	12.9	120.21	-310.8	206.1	192.3	166.0	26.26	7.321	
5,300.0	5,275.4	5,299.6	5,275.4	14.3	13.0	123.00	-310.8	206.1	198.2	171.6	26.61	7.447	
5,400.0	5,374.8	5,399.0	5,374.8	14.6	13.2	125.63	-310.8	206.1	204.5	177.6	26.95	7.589	
5,500.0	5,474.1	5,498.3	5,474.1	14.9	13.4	128.10	-310.8	206.1	211.3	184.0	27.28	7.745	
5,600.0	5,573.5	5,597.7	5,573.5	15.2	13.6	130.41	-310.8	206.1	218.4	190.8	27.62	7.910	
5,700.0	5,672.9	5,697.1	5,672.9	15.5	13.7	132.57	-310.8	206.1	225.9	198.0	27.95	8.084	
5,800.0	5,772.2	5,796.4	5,772.2	15.8	13.9	134.59	-310.8	206.1	233.7	205.4	28.28	8.264	
5,900.0	5,871.6	5,895.8	5,871.6	16.1	14.1	136.48	-310.8	206.1	241.7	213.1	28.61	8.449	
6,000.0	5,971.0	5,995.2	5,971.0	16.4	14.3	138.25	-310.8	206.1	250.0	221.1	28.95	8.638	
6,100.0	6,070.3	6,094.5	6,070.3	16.7	14.5	139.91	-310.8	206.1	258.5	229.2	29.29	8.828	
6,200.0	6,169.7	6,193.9	6,169.7	17.0	14.7	141.45	-310.8	206.1	267.2	237.6	29.63	9.020	
6,300.0	6,269.1	6,293.3	6,269.1	17.3	14.9	142.90	-310.8	206.1	276.1	246.2	29.98	9.212	
6,400.0	6,368.4	6,392.6	6,368.4	17.6	15.0	144.26	-310.8	206.1	285.2	254.9	30.33	9.403	
6,500.0	6,467.8	6,492.0	6,467.8	18.0	15.2	145.54	-310.8	206.1	294.4	263.7	30.69	9.594	
6,600.0	6,567.2	6,591.4	6,567.2	18.3	15.4	146.73	-310.8	206.1	303.8	272.7	31.05	9.783	
6,700.0	6,666.5	6,690.7	6,666.5	18.6	15.6	147.86	-310.8	206.1	313.2	281.8	31.42	9.971	
6,800.0	6,766.1	6,790.2	6,766.1	18.8	15.8	148.87	-310.8	206.1	321.7	289.9	31.77	10.123	
6,900.0	6,865.8	6,890.0	6,865.8	19.0	16.0	149.51	-310.8	206.1	327.2	295.1	32.10	10.192	
7,000.0	6,965.8	6,990.0	6,965.8	19.2	16.2	149.79	-310.8	206.1	329.7	297.3	32.43	10.168	
7,100.0	7,065.8	7,090.0	7,065.8	19.4	16.4	-90.15	-310.8	206.1	329.9	297.1	32.78	10.064	
7,127.3	7,093.1	7,117.3	7,093.1	19.4	16.4	90.06	-310.8	206.1	329.9	297.0	32.90	10.028	
7,200.0	7,165.8	7,190.0	7,165.8	19.5	16.6	90.04	-311.6	206.1	329.9	296.7	33.18	9.942	
7,300.0	7,265.0	7,290.0	7,265.1	19.7	16.8	90.07	-323.1	206.2	329.9	296.2	33.70	9.790	
7,400.0	7,361.7	7,390.1	7,361.8	20.1	17.2	90.10	-348.3	206.2	329.9	295.5	34.39	9.592	
7,500.0	7,453.8	7,490.2	7,454.1	20.5	17.6	90.12	-386.8	206.3	329.9	294.6	35.29	9.348	
7,600.0	7,539.7	7,590.3	7,540.1	21.0	18.2	90.13	-437.9	206.5	329.9	293.5	36.41	9.061	
7,700.0	7,617.7	7,690.4	7,618.2	21.6	18.8	90.13	-500.4	206.7	329.9	292.1	37.78	8.731	
7,800.0	7,686.2	7,790.5	7,686.8	22.3	19.6	90.13	-573.3	206.9	329.9	290.5	39.43	8.366	
7,900.0	7,743.9	7,890.6	7,744.5	23.2	20.6	90.12	-654.9	207.1	329.9	288.5	41.37	7.974	
8,000.0	7,789.7	7,990.7	7,790.2	24.2	21.7	90.10	-743.9	207.4	329.9	286.3	43.58	7.570	
8,100.0	7,822.7	8,090.7	7,823.1	25.3	22.9	90.07	-838.3	207.7	329.9	283.9	46.03	7.166	
8,200.0	7,842.2	8,190.8	7,842.4	26.5	24.2	90.04	-936.4	208.0	329.9	281.2	48.69	6.775	
8,267.3	7,847.8	8,258.0	7,847.7	27.4	25.1	89.97	-1,003.4	208.2	329.9	279.3	50.57	6.523	
8,300.0	7,848.0	8,290.9	7,848.0	27.8	25.6	90.00	-1,036.3	208.3	329.9	278.4	51.49	6.406	
8,400.0	7,847.8	8,390.9	7,847.8	29.2	27.1	90.00	-1,136.3	208.6	329.9	275.5	54.41	6.063	
8,500.0	7,847.6	8,490.9	7,847.5	30.6	28.6	90.00	-1,236.3	208.9	329.9	272.5	57.44	5.744	
8,600.0	7,847.3	8,590.9	7,847.3	32.1	30.1	90.00	-1,336.3	209.3	329.9	269.4	60.55	5.448	
8,700.0	7,847.1	8,690.9	7,847.1	33.6	31.7	90.00	-1,436.2	209.6	329.9	266.2	63.75	5.175	
8,800.0	7,846.9	8,790.9	7,846.9	35.2	33.3	90.00	-1,536.2	209.9	329.9	262.9	67.01	4.923	
8,900.0	7,846.7	8,890.9	7,846.7	36.8	35.0	90.00	-1,636.2	210.3	329.9	259.6	70.33	4.691	
9,000.0	7,846.5	8,990.9	7,846.5	38.4	36.7	90.00	-1,736.2	210.6	329.9	256.2	73.70	4.477	
9,100.0	7,846.3	9,090.9	7,846.3	40.0	38.4	90.00	-1,836.2	210.9	329.9	252.8	77.11	4.279	
9,200.0	7,846.0	9,190.9	7,846.0	41.7	40.1	90.00	-1,936.2	211.2	329.9	249.4	80.56	4.096	
9,300.0	7,845.8	9,290.9	7,845.8	43.4	41.9	90.00	-2,036.2	211.6	329.9	245.9	84.04	3.926	
9,400.0	7,845.6	9,390.9	7,845.6	45.1	43.6	90.00	-2,136.2	211.9	329.9	242.4	87.55	3.768	
9,500.0	7,845.4	9,490.9	7,845.4	46.8	45.4	90.00	-2,236.2	212.2	329.9	238.9	91.09	3.622	
9,600.0	7,845.2	9,590.9	7,845.2	48.6	47.2	90.00	-2,336.2	212.6	330.0	235.3	94.65	3.486	
9,700.0	7,845.0	9,690.9	7,845.0	50.3	48.9	90.00	-2,436.2	212.9	330.0	231.7	98.23	3.359	
9,800.0	7,844.8	9,790.9	7,844.8	52.1	50.7	90.00	-2,536.2	213.2	330.0	228.1	101.83	3.240	
9,900.0	7,844.5	9,890.9	7,844.5	53.9	52.6	90.00	-2,636.2	213.5	330.0	224.5	105.45	3.129	
10,000.0	7,844.3	9,990.9	7,844.3	55.7	54.4	90.00	-2,736.2	213.9	330.0	220.9	109.08	3.025	

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 L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey K-14-23HN - Wellbore #1 - Plan #2 (11-4-14)												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
10,100.0	7,844.1	10,090.9	7,844.1	57.5	56.2	90.00	-2,836.2	214.2	330.0	217.3	112.72	2.927	
10,200.0	7,843.9	10,190.9	7,843.9	59.3	58.0	90.00	-2,936.2	214.5	330.0	213.6	116.38	2.835	
10,300.0	7,843.7	10,290.9	7,843.7	61.1	59.9	90.00	-3,036.2	214.9	330.0	209.9	120.05	2.749	
10,400.0	7,843.5	10,390.9	7,843.5	62.9	61.7	90.00	-3,136.2	215.2	330.0	206.3	123.72	2.667	
10,500.0	7,843.3	10,490.9	7,843.2	64.7	63.5	90.00	-3,236.2	215.5	330.0	202.6	127.41	2.590	
10,600.0	7,843.0	10,590.9	7,843.0	66.5	65.4	90.00	-3,336.2	215.8	330.0	198.9	131.10	2.517	
10,700.0	7,842.8	10,690.9	7,842.8	68.4	67.2	90.00	-3,436.2	216.2	330.0	195.2	134.81	2.448	
10,800.0	7,842.6	10,790.9	7,842.6	70.2	69.1	90.00	-3,536.2	216.5	330.0	191.5	138.52	2.383	
10,900.0	7,842.4	10,890.9	7,842.4	72.0	70.9	90.00	-3,636.2	216.8	330.0	187.8	142.23	2.320	
11,000.0	7,842.2	10,990.9	7,842.2	73.9	72.8	90.00	-3,736.2	217.2	330.0	184.1	145.95	2.261	
11,100.0	7,842.0	11,090.9	7,842.0	75.7	74.7	90.00	-3,836.2	217.5	330.0	180.3	149.68	2.205	
11,200.0	7,841.7	11,190.9	7,841.7	77.6	76.5	90.00	-3,936.2	217.8	330.0	176.6	153.41	2.151	
11,300.0	7,841.5	11,290.9	7,841.5	79.4	78.4	90.00	-4,036.2	218.1	330.0	172.9	157.15	2.100	
11,400.0	7,841.3	11,390.9	7,841.3	81.3	80.3	90.00	-4,136.2	218.5	330.0	169.2	160.89	2.051	
11,500.0	7,841.1	11,490.9	7,841.1	83.1	82.1	90.00	-4,236.2	218.8	330.0	165.4	164.64	2.005	
11,600.0	7,840.9	11,590.9	7,840.9	85.0	84.0	90.00	-4,336.2	219.1	330.1	161.7	168.39	1.960	
11,700.0	7,840.7	11,690.9	7,840.7	86.9	85.9	90.00	-4,436.2	219.5	330.1	157.9	172.14	1.917	
11,800.0	7,840.5	11,790.9	7,840.4	88.7	87.8	90.00	-4,536.2	219.8	330.1	154.2	175.90	1.876	
11,900.0	7,840.2	11,890.9	7,840.2	90.6	89.7	90.00	-4,636.2	220.1	330.1	150.4	179.66	1.837	
12,000.0	7,840.0	11,990.9	7,840.0	92.5	91.5	90.00	-4,736.2	220.5	330.1	146.7	183.42	1.800	
12,100.0	7,839.8	12,090.9	7,839.8	94.3	93.4	90.00	-4,836.2	220.8	330.1	142.9	187.19	1.763	
12,200.0	7,839.6	12,190.9	7,839.6	96.2	95.3	90.00	-4,936.2	221.1	330.1	139.1	190.95	1.729	
12,300.0	7,839.4	12,290.9	7,839.4	98.1	97.2	90.00	-5,036.2	221.4	330.1	135.4	194.73	1.695	
12,400.0	7,839.2	12,390.9	7,839.2	100.0	99.1	90.00	-5,136.2	221.8	330.1	131.6	198.50	1.663	
12,500.0	7,838.9	12,490.9	7,838.9	101.8	101.0	90.00	-5,236.2	222.1	330.1	127.8	202.27	1.632	
12,600.0	7,838.7	12,590.9	7,838.7	103.7	102.9	90.00	-5,336.2	222.4	330.1	124.1	206.05	1.602	
12,700.0	7,838.5	12,690.9	7,838.5	105.6	104.7	90.00	-5,436.2	222.8	330.1	120.3	209.83	1.573	
12,800.0	7,838.3	12,790.9	7,838.3	107.5	106.6	90.00	-5,536.2	223.1	330.1	116.5	213.61	1.545	
12,900.0	7,838.1	12,890.9	7,838.1	109.4	108.5	90.00	-5,636.2	223.4	330.1	112.7	217.40	1.519	
13,000.0	7,837.9	12,990.9	7,837.9	111.2	110.4	90.00	-5,736.2	223.7	330.1	108.9	221.18	1.493 Level 3	
13,100.0	7,837.7	13,090.9	7,837.7	113.1	112.3	90.00	-5,836.2	224.1	330.1	105.2	224.97	1.467 Level 3	
13,200.0	7,837.4	13,190.9	7,837.4	115.0	114.2	90.00	-5,936.2	224.4	330.1	101.4	228.75	1.443 Level 3	
13,300.0	7,837.2	13,290.9	7,837.2	116.9	116.1	90.00	-6,036.2	224.7	330.1	97.6	232.54	1.420 Level 3	
13,400.0	7,837.0	13,390.9	7,837.0	118.8	118.0	90.00	-6,136.2	225.1	330.1	93.8	236.33	1.397 Level 3	
13,500.0	7,836.8	13,490.9	7,836.8	120.7	119.9	90.00	-6,236.2	225.4	330.1	90.0	240.13	1.375 Level 3	
13,600.0	7,836.6	13,590.9	7,836.6	122.6	121.8	90.00	-6,336.2	225.7	330.2	86.2	243.92	1.354 Level 3	
13,700.0	7,836.4	13,690.9	7,836.4	124.5	123.7	90.00	-6,436.2	226.0	330.2	82.4	247.71	1.333 Level 3	
13,800.0	7,836.2	13,790.9	7,836.1	126.3	125.6	90.00	-6,536.2	226.4	330.2	78.7	251.51	1.313 Level 3	
13,900.0	7,835.9	13,890.9	7,835.9	128.2	127.5	90.00	-6,636.2	226.7	330.2	74.9	255.31	1.293 Level 3	
14,000.0	7,835.7	13,990.9	7,835.7	130.1	129.4	90.00	-6,736.2	227.0	330.2	71.1	259.10	1.274 Level 3	
14,100.0	7,835.5	14,090.9	7,835.5	132.0	131.3	90.00	-6,836.2	227.4	330.2	67.3	262.90	1.256 Level 3	
14,200.0	7,835.3	14,190.9	7,835.3	133.9	133.2	90.00	-6,936.2	227.7	330.2	63.5	266.70	1.238 Level 2	
14,300.0	7,835.1	14,290.9	7,835.1	135.8	135.1	90.00	-7,036.2	228.0	330.2	59.7	270.50	1.221 Level 2	
14,400.0	7,834.9	14,390.9	7,834.9	137.7	137.0	90.00	-7,136.2	228.3	330.2	55.9	274.31	1.204 Level 2	
14,500.0	7,834.6	14,490.9	7,834.6	139.6	138.9	90.00	-7,236.2	228.7	330.2	52.1	278.11	1.187 Level 2	
14,600.0	7,834.4	14,590.9	7,834.4	141.5	140.8	90.00	-7,336.2	229.0	330.2	48.3	281.91	1.171 Level 2	
14,700.0	7,834.2	14,690.9	7,834.2	143.4	142.7	90.00	-7,436.2	229.3	330.2	44.5	285.71	1.156 Level 2	
14,800.0	7,834.0	14,790.9	7,834.0	145.3	144.6	90.00	-7,536.2	229.7	330.2	40.7	289.52	1.141 Level 2	
14,900.0	7,833.8	14,890.9	7,833.8	147.2	146.5	90.00	-7,636.2	230.0	330.2	36.9	293.32	1.126 Level 2	
15,000.0	7,833.6	14,990.9	7,833.6	149.1	148.4	90.00	-7,736.2	230.3	330.2	33.1	297.13	1.111 Level 2	
15,100.0	7,833.4	15,090.9	7,833.3	151.0	150.3	90.00	-7,836.2	230.6	330.2	29.3	300.94	1.097 Level 2	
15,200.0	7,833.1	15,190.9	7,833.1	152.9	152.2	90.00	-7,936.2	231.0	330.2	25.5	304.74	1.084 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 L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey K-14-23HN - Wellbore #1 - Plan #2 (11-4-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,300.0	7,832.9	15,290.9	7,832.9	154.8	154.1	90.00	-8,036.2	231.3	330.2	21.7	308.55	1.070	Level 2
15,400.0	7,832.7	15,390.9	7,832.7	156.7	156.0	90.00	-8,136.2	231.6	330.2	17.9	312.36	1.057	Level 2
15,500.0	7,832.5	15,490.9	7,832.5	158.6	157.9	90.00	-8,236.2	232.0	330.2	14.1	316.17	1.045	Level 2
15,600.0	7,832.3	15,590.9	7,832.3	160.5	159.8	90.00	-8,336.2	232.3	330.3	10.3	319.98	1.032	Level 2
15,700.0	7,832.1	15,690.9	7,832.1	162.4	161.7	90.00	-8,436.2	232.6	330.3	6.5	323.79	1.020	Level 2
15,712.7	7,832.0	15,703.6	7,832.0	162.6	162.0	90.00	-8,448.9	232.7	330.3	6.0	324.27	1.018	Level 2
15,729.8	7,832.0	15,716.7	7,832.0	163.0	162.2	90.00	-8,462.0	232.7	330.3	5.4	324.85	1.017	Level 2, ES, SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	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	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	29.8	0.22	133.364		
200.0	200.0	200.0	200.0	0.3	0.3	22.54	27.7	11.5	30.0	29.3	0.67	44.455		
300.0	300.0	300.0	300.0	0.6	0.6	22.54	27.7	11.5	30.0	28.9	1.12	26.673		
400.0	400.0	400.0	400.0	0.8	0.8	22.54	27.7	11.5	30.0	28.4	1.57	19.052		
500.0	500.0	500.0	500.0	1.0	1.0	22.54	27.7	11.5	30.0	28.0	2.02	14.818		
600.0	600.0	600.0	600.0	1.2	1.2	22.54	27.7	11.5	30.0	27.5	2.47	12.124		
700.0	700.0	700.0	700.0	1.5	1.5	22.54	27.7	11.5	30.0	27.1	2.92	10.259		
800.0	800.0	800.0	800.0	1.7	1.7	22.54	27.7	11.5	30.0	26.6	3.37	8.891 CC		
900.0	900.0	899.9	899.9	1.9	1.9	25.86	27.1	13.1	30.1	26.3	3.80	7.914 ES		
1,000.0	1,000.0	999.6	999.4	2.1	2.1	35.47	25.3	18.0	31.0	26.8	4.22	7.348		
1,100.0	1,100.0	1,098.8	1,098.2	2.4	2.3	49.50	22.3	26.1	34.4	29.7	4.65	7.383		
1,200.0	1,200.0	1,197.3	1,196.0	2.6	2.5	64.06	18.1	37.3	41.7	36.6	5.09	8.182		
1,300.0	1,300.0	1,295.9	1,293.5	2.8	2.8	-45.47	13.0	51.2	52.0	46.5	5.54	9.390		
1,400.0	1,399.8	1,395.3	1,391.7	3.0	3.1	-40.38	7.7	65.6	61.1	55.2	5.95	10.275		
1,500.0	1,499.5	1,495.1	1,490.3	3.2	3.4	-38.40	2.3	80.0	67.8	61.4	6.37	10.639		
1,600.0	1,598.8	1,594.9	1,589.0	3.4	3.7	-37.99	-3.0	94.4	72.6	65.8	6.83	10.638		
1,700.0	1,698.2	1,694.8	1,687.7	3.6	4.1	-37.69	-8.4	108.9	77.4	70.1	7.30	10.605		
1,800.0	1,797.6	1,794.7	1,786.4	3.9	4.4	-37.42	-13.7	123.3	82.1	74.4	7.78	10.564		
1,900.0	1,896.9	1,894.6	1,885.0	4.1	4.8	-37.18	-19.1	137.8	86.9	78.6	8.26	10.516		
2,000.0	1,996.3	1,994.5	1,983.7	4.4	5.1	-36.97	-24.4	152.2	91.7	82.9	8.76	10.466		
2,100.0	2,095.7	2,094.4	2,082.4	4.7	5.4	-36.77	-29.8	166.6	96.4	87.2	9.26	10.415		
2,200.0	2,195.0	2,194.3	2,181.1	5.0	5.8	-36.60	-35.1	181.1	101.2	91.4	9.76	10.364		
2,300.0	2,294.4	2,294.1	2,279.8	5.2	6.2	-36.44	-40.5	195.5	106.0	95.7	10.27	10.315		
2,400.0	2,393.8	2,394.0	2,378.5	5.5	6.5	-36.29	-45.8	210.0	110.7	99.9	10.79	10.267		
2,500.0	2,493.1	2,493.9	2,477.2	5.8	6.9	-36.16	-51.2	224.4	115.5	104.2	11.30	10.220		
2,600.0	2,592.5	2,593.8	2,575.9	6.1	7.2	-36.04	-56.5	238.9	120.3	108.4	11.82	10.176		
2,700.0	2,691.9	2,693.7	2,674.6	6.4	7.6	-35.92	-61.9	253.3	125.0	112.7	12.34	10.134		
2,800.0	2,791.2	2,793.6	2,773.3	6.7	8.0	-35.82	-67.2	267.7	129.8	116.9	12.86	10.093		
2,900.0	2,890.6	2,893.5	2,872.0	7.0	8.3	-35.72	-72.6	282.2	134.6	121.2	13.38	10.055		
3,000.0	2,990.0	2,993.3	2,970.7	7.3	8.7	-35.63	-77.9	296.6	139.3	125.4	13.91	10.018		
3,100.0	3,089.3	3,093.2	3,069.3	7.6	9.0	-35.54	-83.2	311.1	144.1	129.7	14.43	9.984		
3,200.0	3,188.7	3,193.1	3,168.0	7.9	9.4	-35.46	-88.6	325.5	148.9	133.9	14.96	9.950		
3,300.0	3,288.1	3,293.0	3,266.7	8.2	9.8	-35.39	-93.9	340.0	153.6	138.2	15.49	9.919		
3,400.0	3,387.4	3,392.9	3,365.4	8.5	10.1	-35.32	-99.3	354.4	158.4	142.4	16.02	9.889		
3,500.0	3,486.8	3,492.8	3,464.1	8.8	10.5	-35.25	-104.6	368.8	163.2	146.6	16.55	9.861		
3,600.0	3,586.2	3,592.7	3,562.8	9.1	10.9	-35.19	-110.0	383.3	168.0	150.9	17.08	9.833		
3,700.0	3,685.5	3,692.6	3,661.5	9.4	11.2	-35.13	-115.3	397.7	172.7	155.1	17.61	9.808		
3,800.0	3,784.9	3,792.4	3,760.2	9.7	11.6	-35.07	-120.7	412.2	177.5	159.4	18.14	9.783		
3,900.0	3,884.3	3,892.3	3,858.9	10.0	12.0	-35.02	-126.0	426.6	182.3	163.6	18.68	9.759		
4,000.0	3,983.6	3,992.2	3,957.6	10.3	12.3	-34.97	-131.4	441.0	187.0	167.8	19.21	9.737		
4,100.0	4,083.0	4,092.1	4,056.3	10.6	12.7	-34.92	-136.7	455.5	191.8	172.1	19.74	9.715		
4,200.0	4,182.4	4,192.0	4,155.0	10.9	13.1	-34.88	-142.1	469.9	196.6	176.3	20.28	9.695		
4,300.0	4,281.7	4,291.9	4,253.6	11.2	13.4	-34.84	-147.4	484.4	201.4	180.5	20.81	9.675		
4,400.0	4,381.1	4,391.8	4,352.3	11.5	13.8	-34.79	-152.8	498.8	206.1	184.8	21.35	9.656		
4,500.0	4,480.5	4,491.6	4,451.0	11.8	14.2	-34.75	-158.1	513.3	210.9	189.0	21.88	9.638		
4,600.0	4,579.8	4,591.5	4,549.7	12.1	14.6	-34.72	-163.5	527.7	215.7	193.3	22.42	9.621		
4,700.0	4,679.2	4,691.4	4,648.4	12.4	14.9	-34.68	-168.8	542.1	220.4	197.5	22.95	9.604		
4,800.0	4,778.6	4,791.3	4,747.1	12.7	15.3	-34.65	-174.2	556.6	225.2	201.7	23.49	9.588		
4,900.0	4,877.9	4,891.2	4,845.8	13.0	15.7	-34.61	-179.5	571.0	230.0	206.0	24.03	9.573		
5,000.0	4,977.3	4,991.1	4,944.5	13.3	16.0	-34.58	-184.9	585.5	234.8	210.2	24.56	9.558		
5,100.0	5,076.7	5,091.0	5,043.2	13.6	16.4	-34.55	-190.2	599.9	239.5	214.4	25.10	9.544		

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 L-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 L-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 (11-4-14)	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:	0.0ft
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	5,176.0	5,190.8	5,141.9	13.9	16.8	-34.52	-195.6	614.4	244.3	218.7	25.64	9.530	
5,300.0	5,275.4	5,290.7	5,240.6	14.3	17.1	-34.49	-200.9	628.8	249.1	222.9	26.17	9.517	
5,400.0	5,374.8	5,390.6	5,339.3	14.6	17.5	-34.47	-206.2	643.2	253.9	227.1	26.71	9.504	
5,500.0	5,474.1	5,490.5	5,437.9	14.9	17.9	-34.44	-211.6	657.7	258.6	231.4	27.25	9.492	
5,600.0	5,573.5	5,590.4	5,536.6	15.2	18.3	-34.42	-216.9	672.1	263.4	235.6	27.79	9.480	
5,700.0	5,672.9	5,690.3	5,635.3	15.5	18.6	-34.39	-222.3	686.6	268.2	239.8	28.32	9.468	
5,800.0	5,772.2	5,790.2	5,734.0	15.8	19.0	-34.37	-227.6	701.0	272.9	244.1	28.86	9.457	
5,900.0	5,871.6	5,890.0	5,832.7	16.1	19.4	-34.35	-233.0	715.4	277.7	248.3	29.40	9.446	
6,000.0	5,971.0	5,989.9	5,931.4	16.4	19.7	-34.32	-238.3	729.9	282.5	252.6	29.94	9.436	
6,100.0	6,070.3	6,089.8	6,030.1	16.7	20.1	-34.30	-243.7	744.3	287.3	256.8	30.48	9.426	
6,200.0	6,169.7	6,189.7	6,128.8	17.0	20.5	-34.28	-249.0	758.8	292.0	261.0	31.01	9.416	
6,300.0	6,269.1	6,289.6	6,227.5	17.3	20.8	-34.26	-254.4	773.2	296.8	265.3	31.55	9.407	
6,400.0	6,368.4	6,389.5	6,326.2	17.6	21.2	-34.24	-259.7	787.7	301.6	269.5	32.09	9.398	
6,500.0	6,467.8	6,489.4	6,424.9	18.0	21.6	-34.23	-265.1	802.1	306.4	273.7	32.63	9.389	
6,600.0	6,567.2	6,589.2	6,523.6	18.3	22.0	-34.21	-270.4	816.5	311.1	278.0	33.17	9.380	
6,700.0	6,666.5	6,689.1	6,622.2	18.6	22.3	-34.19	-275.8	831.0	315.9	282.2	33.71	9.372	
6,800.0	6,766.1	6,788.9	6,720.9	18.8	22.7	-34.10	-281.1	845.4	321.8	287.6	34.19	9.413	
6,900.0	6,865.8	6,888.5	6,819.2	19.0	23.1	-33.71	-286.4	859.8	330.6	296.0	34.55	9.569	
7,000.0	6,965.8	6,987.7	6,917.3	19.2	23.4	-33.06	-291.8	874.2	342.3	307.4	34.83	9.828	
7,100.0	7,065.8	7,086.6	7,014.9	19.4	23.8	87.90	-297.0	888.4	356.3	321.3	35.08	10.159	
7,200.0	7,165.8	7,185.4	7,112.6	19.5	24.2	-90.76	-302.3	902.7	370.7	335.3	35.36	10.482	
7,300.0	7,265.0	7,284.1	7,210.1	19.7	24.5	-90.49	-307.6	917.0	385.2	349.4	35.85	10.746	
7,400.0	7,361.7	7,380.9	7,305.8	20.1	24.9	-92.05	-312.8	931.0	400.4	363.7	36.68	10.915	
7,500.0	7,453.8	7,482.0	7,405.1	20.5	25.3	-94.63	-323.6	945.6	417.0	379.2	37.75	11.047	
7,600.0	7,539.7	7,588.5	7,507.1	21.0	25.7	-97.02	-350.0	960.6	434.3	395.4	38.93	11.158	
7,700.0	7,617.7	7,700.4	7,608.8	21.6	26.3	-99.18	-393.9	975.6	451.7	411.5	40.21	11.233	
7,800.0	7,686.2	7,818.2	7,707.2	22.3	27.0	-101.08	-456.8	990.1	468.4	426.8	41.62	11.255	
7,900.0	7,743.9	7,942.1	7,798.2	23.2	27.8	-102.70	-539.5	1,003.7	483.6	440.5	43.15	11.209	
8,000.0	7,789.7	8,072.0	7,876.9	24.2	28.8	-104.03	-641.9	1,015.5	496.6	451.7	44.83	11.076	
8,100.0	7,822.7	8,207.1	7,938.1	25.3	30.1	-105.03	-761.8	1,024.8	506.4	459.7	46.69	10.846	
8,200.0	7,842.2	8,346.3	7,976.6	26.5	31.5	-105.66	-895.2	1,030.9	512.6	463.8	48.76	10.513	
8,300.0	7,848.0	8,485.4	7,989.0	27.8	33.0	-105.90	-1,033.5	1,033.1	514.7	463.6	51.08	10.076	
8,400.0	7,847.8	8,585.4	7,989.0	29.2	34.2	-105.93	-1,133.5	1,033.5	514.7	460.9	53.79	9.568	
8,500.0	7,847.6	8,685.4	7,989.0	30.6	35.4	-105.95	-1,233.5	1,033.8	514.8	458.2	56.62	9.092	
8,600.0	7,847.3	8,785.4	7,989.0	32.1	36.8	-105.97	-1,333.5	1,034.1	514.8	455.3	59.55	8.646	
8,700.0	7,847.1	8,885.4	7,989.0	33.6	38.1	-105.99	-1,433.5	1,034.5	514.9	452.3	62.55	8.232	
8,800.0	7,846.9	8,985.4	7,989.0	35.2	39.5	-106.02	-1,533.5	1,034.8	515.0	449.3	65.62	7.847	
8,900.0	7,846.7	9,085.4	7,989.0	36.8	41.0	-106.04	-1,633.5	1,035.1	515.0	446.3	68.76	7.490	
9,000.0	7,846.5	9,185.4	7,989.0	38.4	42.5	-106.06	-1,733.5	1,035.5	515.1	443.1	71.95	7.159	
9,100.0	7,846.3	9,285.4	7,989.0	40.0	44.0	-106.09	-1,833.5	1,035.8	515.1	439.9	75.18	6.852	
9,200.0	7,846.0	9,385.4	7,989.0	41.7	45.5	-106.11	-1,933.5	1,036.1	515.2	436.7	78.46	6.567	
9,300.0	7,845.8	9,485.4	7,989.0	43.4	47.1	-106.13	-2,033.5	1,036.5	515.2	433.5	81.77	6.301	
9,400.0	7,845.6	9,585.4	7,989.0	45.1	48.7	-106.16	-2,133.5	1,036.8	515.3	430.2	85.11	6.055	
9,500.0	7,845.4	9,685.4	7,989.0	46.8	50.3	-106.18	-2,233.5	1,037.1	515.4	426.9	88.47	5.825	
9,600.0	7,845.2	9,785.4	7,989.0	48.6	52.0	-106.20	-2,333.5	1,037.5	515.4	423.6	91.87	5.611	
9,700.0	7,845.0	9,885.4	7,989.0	50.3	53.6	-106.22	-2,433.5	1,037.8	515.5	420.2	95.28	5.410	
9,800.0	7,844.8	9,985.4	7,989.0	52.1	55.3	-106.25	-2,533.5	1,038.1	515.5	416.8	98.71	5.223	
9,900.0	7,844.5	10,085.4	7,989.0	53.9	57.0	-106.27	-2,633.5	1,038.5	515.6	413.4	102.16	5.047	
10,000.0	7,844.3	10,185.4	7,989.0	55.7	58.7	-106.29	-2,733.5	1,038.8	515.7	410.0	105.63	4.882	
10,100.0	7,844.1	10,285.4	7,989.0	57.5	60.4	-106.32	-2,833.5	1,039.1	515.7	406.6	109.11	4.727	
10,200.0	7,843.9	10,385.4	7,989.0	59.3	62.2	-106.34	-2,933.5	1,039.4	515.8	403.2	112.60	4.581	
10,300.0	7,843.7	10,485.4	7,989.0	61.1	63.9	-106.36	-3,033.5	1,039.8	515.8	399.7	116.10	4.443	

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 L-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 L-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 (11-4-14)	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:	0.0ft
Survey Program: 0-MWID												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
10,400.0	7,843.5	10,585.4	7,989.0	62.9	65.7	-106.39	-3,133.5	1,040.1	515.9	396.3	119.62	4.313	
10,500.0	7,843.3	10,685.4	7,989.0	64.7	67.4	-106.41	-3,233.5	1,040.4	515.9	392.8	123.14	4.190	
10,600.0	7,843.0	10,785.4	7,989.0	66.5	69.2	-106.43	-3,333.5	1,040.8	516.0	389.3	126.67	4.074	
10,700.0	7,842.8	10,885.4	7,989.0	68.4	71.0	-106.45	-3,433.5	1,041.1	516.1	385.9	130.21	3.963	
10,800.0	7,842.6	10,985.4	7,989.0	70.2	72.8	-106.48	-3,533.5	1,041.4	516.1	382.4	133.76	3.859	
10,900.0	7,842.4	11,085.4	7,989.0	72.0	74.5	-106.50	-3,633.5	1,041.8	516.2	378.9	137.31	3.759	
11,000.0	7,842.2	11,185.4	7,989.0	73.9	76.3	-106.52	-3,733.5	1,042.1	516.2	375.4	140.87	3.665	
11,100.0	7,842.0	11,285.4	7,989.0	75.7	78.1	-106.55	-3,833.5	1,042.4	516.3	371.9	144.43	3.575	
11,200.0	7,841.7	11,385.4	7,989.0	77.6	79.9	-106.57	-3,933.5	1,042.8	516.4	368.4	148.00	3.489	
11,300.0	7,841.5	11,485.4	7,989.0	79.4	81.8	-106.59	-4,033.5	1,043.1	516.4	364.8	151.57	3.407	
11,400.0	7,841.3	11,585.4	7,989.0	81.3	83.6	-106.62	-4,133.5	1,043.4	516.5	361.3	155.15	3.329	
11,500.0	7,841.1	11,685.4	7,989.0	83.1	85.4	-106.64	-4,233.5	1,043.8	516.5	357.8	158.73	3.254	
11,600.0	7,840.9	11,785.4	7,989.0	85.0	87.2	-106.66	-4,333.5	1,044.1	516.6	354.3	162.32	3.183	
11,700.0	7,840.7	11,885.4	7,989.0	86.9	89.0	-106.68	-4,433.5	1,044.4	516.7	350.8	165.91	3.114	
11,800.0	7,840.5	11,985.4	7,989.0	88.7	90.9	-106.71	-4,533.5	1,044.8	516.7	347.2	169.50	3.049	
11,900.0	7,840.2	12,085.4	7,989.0	90.6	92.7	-106.73	-4,633.5	1,045.1	516.8	343.7	173.09	2.986	
12,000.0	7,840.0	12,185.4	7,989.0	92.5	94.6	-106.75	-4,733.5	1,045.4	516.8	340.1	176.69	2.925	
12,100.0	7,839.8	12,285.4	7,989.0	94.3	96.4	-106.78	-4,833.5	1,045.8	516.9	336.6	180.29	2.867	
12,200.0	7,839.6	12,385.4	7,989.0	96.2	98.2	-106.80	-4,933.5	1,046.1	517.0	333.1	183.89	2.811	
12,300.0	7,839.4	12,485.4	7,989.0	98.1	100.1	-106.82	-5,033.5	1,046.4	517.0	329.5	187.49	2.758	
12,400.0	7,839.2	12,585.4	7,989.0	100.0	101.9	-106.84	-5,133.5	1,046.7	517.1	326.0	191.10	2.706	
12,500.0	7,838.9	12,685.4	7,989.0	101.8	103.8	-106.87	-5,233.5	1,047.1	517.1	322.4	194.70	2.656	
12,600.0	7,838.7	12,785.4	7,989.0	103.7	105.6	-106.89	-5,333.5	1,047.4	517.2	318.9	198.31	2.608	
12,700.0	7,838.5	12,885.4	7,989.0	105.6	107.5	-106.91	-5,433.5	1,047.7	517.3	315.3	201.92	2.562	
12,800.0	7,838.3	12,985.4	7,989.0	107.5	109.4	-106.94	-5,533.5	1,048.1	517.3	311.8	205.53	2.517	
12,900.0	7,838.1	13,085.4	7,989.0	109.4	111.2	-106.96	-5,633.5	1,048.4	517.4	308.2	209.14	2.474	
13,000.0	7,837.9	13,185.4	7,989.0	111.2	113.1	-106.98	-5,733.5	1,048.7	517.4	304.7	212.76	2.432	
13,100.0	7,837.7	13,285.4	7,989.0	113.1	114.9	-107.00	-5,833.5	1,049.1	517.5	301.1	216.37	2.392	
13,200.0	7,837.4	13,385.4	7,989.0	115.0	116.8	-107.03	-5,933.5	1,049.4	517.6	297.6	219.99	2.353	
13,300.0	7,837.2	13,485.4	7,989.0	116.9	118.7	-107.05	-6,033.5	1,049.7	517.6	294.0	223.60	2.315	
13,400.0	7,837.0	13,585.4	7,989.0	118.8	120.6	-107.07	-6,133.5	1,050.1	517.7	290.5	227.22	2.278	
13,500.0	7,836.8	13,685.4	7,989.0	120.7	122.4	-107.10	-6,233.5	1,050.4	517.7	286.9	230.84	2.243	
13,600.0	7,836.6	13,785.4	7,989.0	122.6	124.3	-107.12	-6,333.5	1,050.7	517.8	283.4	234.46	2.209	
13,700.0	7,836.4	13,885.4	7,989.0	124.5	126.2	-107.14	-6,433.5	1,051.1	517.9	279.8	238.07	2.175	
13,800.0	7,836.2	13,985.4	7,989.0	126.3	128.0	-107.16	-6,533.5	1,051.4	517.9	276.2	241.69	2.143	
13,900.0	7,835.9	14,085.4	7,989.0	128.2	129.9	-107.19	-6,633.5	1,051.7	518.0	272.7	245.31	2.112	
14,000.0	7,835.7	14,185.4	7,989.0	130.1	131.8	-107.21	-6,733.5	1,052.1	518.1	269.1	248.93	2.081	
14,100.0	7,835.5	14,285.4	7,989.0	132.0	133.7	-107.23	-6,833.5	1,052.4	518.1	265.6	252.55	2.052	
14,200.0	7,835.3	14,385.4	7,989.0	133.9	135.6	-107.26	-6,933.5	1,052.7	518.2	262.0	256.17	2.023	
14,300.0	7,835.1	14,485.4	7,989.0	135.8	137.4	-107.28	-7,033.5	1,053.1	518.2	258.4	259.79	1.995	
14,400.0	7,834.9	14,585.4	7,989.0	137.7	139.3	-107.30	-7,133.5	1,053.4	518.3	254.9	263.41	1.968	
14,500.0	7,834.6	14,685.4	7,989.0	139.6	141.2	-107.32	-7,233.5	1,053.7	518.4	251.3	267.03	1.941	
14,600.0	7,834.4	14,785.4	7,989.0	141.5	143.1	-107.35	-7,333.5	1,054.1	518.4	247.8	270.66	1.915	
14,700.0	7,834.2	14,885.4	7,989.0	143.4	145.0	-107.37	-7,433.5	1,054.4	518.5	244.2	274.28	1.890	
14,800.0	7,834.0	14,985.4	7,989.0	145.3	146.8	-107.39	-7,533.5	1,054.7	518.6	240.7	277.90	1.866	
14,900.0	7,833.8	15,085.4	7,989.0	147.2	148.7	-107.41	-7,633.5	1,055.0	518.6	237.1	281.52	1.842	
15,000.0	7,833.6	15,185.4	7,989.0	149.1	150.6	-107.44	-7,733.5	1,055.4	518.7	233.5	285.14	1.819	
15,100.0	7,833.4	15,285.4	7,989.0	151.0	152.5	-107.46	-7,833.5	1,055.7	518.7	230.0	288.76	1.796	
15,200.0	7,833.1	15,385.4	7,989.0	152.9	154.4	-107.48	-7,933.5	1,056.0	518.8	226.4	292.38	1.774	
15,300.0	7,832.9	15,485.4	7,989.0	154.8	156.3	-107.51	-8,033.5	1,056.4	518.9	222.9	296.00	1.753	
15,400.0	7,832.7	15,585.4	7,989.0	156.7	158.2	-107.53	-8,133.5	1,056.7	518.9	219.3	299.62	1.732	
15,500.0	7,832.5	15,685.4	7,989.0	158.6	160.1	-107.55	-8,233.5	1,057.0	519.0	215.7	303.24	1.711	

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 L-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 L-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 (11-4-14)	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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	+N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)					
15,600.0	7,832.3	15,785.4	7,989.0	160.5	161.9	-107.57	-8,333.5	1,057.4		519.1	212.2	306.86	1.691				
15,700.0	7,832.1	15,885.4	7,989.0	162.4	163.8	-107.60	-8,433.5	1,057.7		519.1	208.6	310.48	1.672				
15,729.8	7,832.0	15,915.1	7,989.0	163.0	164.4	-107.60	-8,463.2	1,057.8		519.1	207.6	311.56	1.666 SF				

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	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
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	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		
500.0	500.0	500.0	500.0	1.0	1.0	22.04	13.8	5.6	14.9	12.9	2.02	7.383		
600.0	600.0	600.0	600.0	1.2	1.2	22.04	13.8	5.6	14.9	12.5	2.47	6.041		
700.0	700.0	700.0	700.0	1.5	1.5	22.04	13.8	5.6	14.9	12.0	2.92	5.111		
800.0	800.0	800.0	800.0	1.7	1.7	22.04	13.8	5.6	14.9	11.6	3.37	4.430		
900.0	900.0	900.0	900.0	1.9	1.9	22.04	13.8	5.6	14.9	11.1	3.82	3.909		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	22.04	13.8	5.6	14.9	10.7	4.27	3.497		
1,036.1	1,036.1	1,036.1	1,036.1	2.2	2.2	22.92	13.8	5.8	14.9	10.5	4.43	3.374 CC		
1,100.0	1,100.0	1,100.0	1,099.9	2.4	2.3	28.72	13.2	7.2	15.0	10.3	4.70	3.193 ES		
1,200.0	1,200.0	1,199.7	1,199.5	2.6	2.5	47.17	11.1	12.0	16.4	11.3	5.12	3.202		
1,300.0	1,300.0	1,299.1	1,298.5	2.8	2.7	-55.04	7.8	20.0	20.4	14.9	5.53	3.699		
1,400.0	1,399.8	1,398.3	1,397.0	3.0	3.0	-44.55	3.1	31.1	26.0	20.1	5.92	4.398		
1,500.0	1,499.5	1,498.0	1,495.8	3.2	3.2	-39.95	-2.4	44.0	31.1	24.8	6.33	4.923		
1,600.0	1,598.8	1,598.0	1,594.7	3.4	3.5	-39.11	-7.9	57.0	34.5	27.7	6.76	5.098		
1,700.0	1,698.2	1,697.9	1,693.7	3.6	3.8	-38.52	-13.3	70.0	37.7	30.5	7.21	5.232		
1,800.0	1,797.6	1,797.9	1,792.6	3.9	4.1	-38.02	-18.8	83.0	41.0	33.3	7.68	5.341		
1,900.0	1,896.9	1,897.8	1,891.6	4.1	4.4	-37.59	-24.3	95.9	44.3	36.1	8.15	5.432		
2,000.0	1,996.3	1,997.8	1,990.5	4.4	4.7	-37.22	-29.8	108.9	47.6	38.9	8.63	5.509		
2,100.0	2,095.7	2,097.7	2,089.4	4.7	5.0	-36.90	-35.3	121.9	50.8	41.7	9.12	5.573		
2,200.0	2,195.0	2,197.7	2,188.4	5.0	5.4	-36.62	-40.7	134.9	54.1	44.5	9.61	5.628		
2,300.0	2,294.4	2,297.6	2,287.3	5.2	5.7	-36.37	-46.2	147.9	57.4	47.3	10.11	5.676		
2,400.0	2,393.8	2,397.6	2,386.3	5.5	6.0	-36.15	-51.7	160.9	60.7	50.1	10.61	5.716		
2,500.0	2,493.1	2,497.5	2,485.2	5.8	6.3	-35.95	-57.2	173.8	63.9	52.8	11.12	5.752		
2,600.0	2,592.5	2,597.4	2,584.2	6.1	6.7	-35.77	-62.7	186.8	67.2	55.6	11.63	5.783		
2,700.0	2,691.9	2,697.4	2,683.1	6.4	7.0	-35.61	-68.2	199.8	70.5	58.4	12.14	5.810		
2,800.0	2,791.2	2,797.3	2,782.1	6.7	7.3	-35.46	-73.6	212.8	73.8	61.1	12.65	5.834		
2,900.0	2,890.6	2,897.3	2,881.0	7.0	7.7	-35.32	-79.1	225.8	77.1	63.9	13.16	5.855		
3,000.0	2,990.0	2,997.2	2,980.0	7.3	8.0	-35.20	-84.6	238.7	80.4	66.7	13.68	5.874		
3,100.0	3,089.3	3,097.2	3,078.9	7.6	8.4	-35.08	-90.1	251.7	83.6	69.4	14.20	5.891		
3,200.0	3,188.7	3,197.1	3,177.9	7.9	8.7	-34.98	-95.6	264.7	86.9	72.2	14.72	5.907		
3,300.0	3,288.1	3,297.1	3,276.8	8.2	9.0	-34.88	-101.0	277.7	90.2	75.0	15.24	5.921		
3,400.0	3,387.4	3,397.0	3,375.8	8.5	9.4	-34.79	-106.5	290.7	93.5	77.7	15.76	5.933		
3,500.0	3,486.8	3,497.0	3,474.7	8.8	9.7	-34.70	-112.0	303.7	96.8	80.5	16.28	5.945		
3,600.0	3,586.2	3,596.9	3,573.7	9.1	10.1	-34.62	-117.5	316.6	100.1	83.3	16.80	5.955		
3,700.0	3,685.5	3,696.8	3,672.6	9.4	10.4	-34.55	-123.0	329.6	103.3	86.0	17.33	5.964		
3,800.0	3,784.9	3,796.8	3,771.6	9.7	10.8	-34.48	-128.5	342.6	106.6	88.8	17.85	5.973		
3,900.0	3,884.3	3,896.7	3,870.5	10.0	11.1	-34.41	-133.9	355.6	109.9	91.5	18.38	5.981		
4,000.0	3,983.6	3,996.7	3,969.4	10.3	11.5	-34.35	-139.4	368.6	113.2	94.3	18.90	5.989		
4,100.0	4,083.0	4,096.6	4,068.4	10.6	11.8	-34.29	-144.9	381.5	116.5	97.1	19.43	5.995		
4,200.0	4,182.4	4,196.6	4,167.3	10.9	12.2	-34.23	-150.4	394.5	119.8	99.8	19.96	6.002		
4,300.0	4,281.7	4,296.5	4,266.3	11.2	12.5	-34.18	-155.9	407.5	123.1	102.6	20.48	6.008		
4,400.0	4,381.1	4,396.5	4,365.2	11.5	12.8	-34.13	-161.3	420.5	126.3	105.3	21.01	6.013		
4,500.0	4,480.5	4,496.4	4,464.2	11.8	13.2	-34.09	-166.8	433.5	129.6	108.1	21.54	6.018		
4,600.0	4,579.8	4,596.4	4,563.1	12.1	13.5	-34.04	-172.3	446.5	132.9	110.8	22.07	6.023		
4,700.0	4,679.2	4,696.3	4,662.1	12.4	13.9	-34.00	-177.8	459.4	136.2	113.6	22.60	6.027		
4,800.0	4,778.6	4,796.3	4,761.0	12.7	14.2	-33.96	-183.3	472.4	139.5	116.4	23.13	6.031		
4,900.0	4,877.9	4,896.2	4,860.0	13.0	14.6	-33.92	-188.7	485.4	142.8	119.1	23.66	6.035		
5,000.0	4,977.3	4,996.1	4,958.9	13.3	14.9	-33.88	-194.2	498.4	146.1	121.9	24.19	6.039		

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 L-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 L-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 (11-4-14)	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
5,100.0	5,076.7	5,096.1	5,057.9	13.6	15.3	-33.85	-199.7	511.4	149.3	124.6	24.72	6.042	
5,200.0	5,176.0	5,196.0	5,156.8	13.9	15.6	-33.81	-205.2	524.3	152.6	127.4	25.25	6.045	
5,300.0	5,275.4	5,296.0	5,255.8	14.3	16.0	-33.78	-210.7	537.3	155.9	130.1	25.78	6.048	
5,400.0	5,374.8	5,395.9	5,354.7	14.6	16.3	-33.75	-216.2	550.3	159.2	132.9	26.31	6.051	
5,500.0	5,474.1	5,495.9	5,453.7	14.9	16.7	-33.72	-221.6	563.3	162.5	135.7	26.84	6.054	
5,600.0	5,573.5	5,595.8	5,552.6	15.2	17.0	-33.69	-227.1	576.3	165.8	138.4	27.37	6.057	
5,700.0	5,672.9	5,695.8	5,651.6	15.5	17.4	-33.66	-232.6	589.3	169.1	141.2	27.90	6.059	
5,800.0	5,772.2	5,795.7	5,750.5	15.8	17.7	-33.64	-238.1	602.2	172.4	143.9	28.44	6.061	
5,900.0	5,871.6	5,895.7	5,849.5	16.1	18.1	-33.61	-243.6	615.2	175.6	146.7	28.97	6.063	
6,000.0	5,971.0	5,995.6	5,948.4	16.4	18.4	-33.58	-249.0	628.2	178.9	149.4	29.50	6.066	
6,100.0	6,070.3	6,095.6	6,047.3	16.7	18.8	-33.56	-254.5	641.2	182.2	152.2	30.03	6.068	
6,200.0	6,169.7	6,195.5	6,146.3	17.0	19.1	-33.54	-260.0	654.2	185.5	154.9	30.56	6.069	
6,300.0	6,269.1	6,295.4	6,245.2	17.3	19.5	-33.52	-265.5	667.1	188.8	157.7	31.10	6.071	
6,400.0	6,368.4	6,395.4	6,344.2	17.6	19.8	-33.49	-271.0	680.1	192.1	160.4	31.63	6.073	
6,500.0	6,467.8	6,495.3	6,443.1	18.0	20.2	-33.47	-276.5	693.1	195.4	163.2	32.16	6.075	
6,600.0	6,567.2	6,595.3	6,542.1	18.3	20.5	-33.45	-281.9	706.1	198.6	166.0	32.69	6.076	
6,700.0	6,666.5	6,695.2	6,641.0	18.6	20.9	-33.43	-287.4	719.1	201.9	168.7	33.23	6.078	
6,800.0	6,766.1	6,795.1	6,739.9	18.8	21.2	-33.25	-292.9	732.0	206.4	172.7	33.69	6.125	
6,900.0	6,865.8	6,894.8	6,838.6	19.0	21.6	-32.61	-298.4	745.0	213.7	179.7	34.02	6.281	
7,000.0	6,965.8	6,994.2	6,937.0	19.2	21.9	-31.57	-303.8	757.9	224.0	189.8	34.26	6.539	
7,100.0	7,065.8	7,093.2	7,035.0	19.4	22.3	89.82	-309.2	770.8	236.8	202.3	34.46	6.870	
7,200.0	7,165.8	7,191.9	7,132.6	19.5	22.6	-88.22	-316.2	783.6	249.8	215.2	34.68	7.203	
7,300.0	7,265.0	7,289.4	7,227.5	19.7	23.0	-85.71	-334.5	796.1	263.0	228.0	34.94	7.526	
7,400.0	7,361.7	7,386.2	7,318.4	20.1	23.4	-83.47	-365.3	808.1	275.9	240.5	35.42	7.791	
7,500.0	7,453.8	7,482.2	7,403.6	20.5	24.0	-81.49	-407.8	819.4	288.4	252.3	36.10	7.988	
7,600.0	7,539.7	7,577.6	7,482.0	21.0	24.5	-79.78	-461.0	829.9	300.0	263.0	37.01	8.108	
7,700.0	7,617.7	7,672.5	7,552.4	21.6	25.2	-78.32	-523.9	839.3	310.7	272.5	38.16	8.140	
7,800.0	7,686.2	7,767.1	7,613.6	22.3	25.9	-77.12	-595.4	847.6	320.0	280.4	39.63	8.075	
7,900.0	7,743.9	7,861.3	7,664.9	23.2	26.7	-76.15	-674.1	854.6	327.9	286.4	41.45	7.911	
8,000.0	7,789.7	7,955.4	7,705.4	24.2	27.7	-75.41	-758.7	860.3	334.2	290.5	43.65	7.656	
8,100.0	7,822.7	8,050.0	7,734.6	25.3	28.7	-74.91	-848.5	864.4	338.7	292.5	46.23	7.326	
8,200.0	7,842.2	8,143.1	7,751.8	26.5	29.7	-74.63	-939.9	867.0	341.4	292.2	49.15	6.946	
8,300.0	7,848.0	8,237.2	7,757.0	27.8	30.8	-74.58	-1,033.9	868.1	342.2	289.9	52.29	6.545	
8,400.0	7,847.8	8,337.2	7,756.8	29.2	32.0	-74.58	-1,133.9	868.4	342.2	287.2	55.01	6.220	
8,500.0	7,847.6	8,437.2	7,756.6	30.6	33.3	-74.58	-1,233.9	868.7	342.2	284.3	57.92	5.908	
8,600.0	7,847.3	8,537.2	7,756.4	32.1	34.7	-74.59	-1,333.9	869.1	342.2	281.3	60.92	5.617	
8,700.0	7,847.1	8,637.2	7,756.2	33.6	36.1	-74.59	-1,433.9	869.4	342.2	278.2	63.99	5.347	
8,800.0	7,846.9	8,737.2	7,756.0	35.2	37.6	-74.59	-1,533.9	869.7	342.2	275.1	67.13	5.097	
8,900.0	7,846.7	8,837.2	7,755.8	36.8	39.1	-74.59	-1,633.9	870.1	342.2	271.9	70.33	4.866	
9,000.0	7,846.5	8,937.2	7,755.6	38.4	40.6	-74.59	-1,733.9	870.4	342.2	268.6	73.57	4.651	
9,100.0	7,846.3	9,037.2	7,755.4	40.0	42.2	-74.60	-1,833.9	870.7	342.2	265.3	76.85	4.452	
9,200.0	7,846.0	9,137.2	7,755.2	41.7	43.8	-74.60	-1,933.9	871.1	342.2	262.0	80.18	4.268	
9,300.0	7,845.8	9,237.2	7,755.0	43.4	45.4	-74.60	-2,033.9	871.4	342.2	258.6	83.54	4.096	
9,400.0	7,845.6	9,337.2	7,754.8	45.1	47.1	-74.60	-2,133.9	871.7	342.2	255.3	86.92	3.937	
9,500.0	7,845.4	9,437.2	7,754.6	46.8	48.7	-74.61	-2,233.9	872.1	342.2	251.8	90.33	3.788	
9,600.0	7,845.2	9,537.2	7,754.4	48.6	50.4	-74.61	-2,333.9	872.4	342.2	248.4	93.77	3.649	
9,700.0	7,845.0	9,637.2	7,754.2	50.3	52.1	-74.61	-2,433.9	872.7	342.2	245.0	97.23	3.519	
9,800.0	7,844.8	9,737.2	7,754.0	52.1	53.8	-74.61	-2,533.9	873.1	342.2	241.5	100.70	3.398	
9,900.0	7,844.5	9,837.2	7,753.8	53.9	55.6	-74.61	-2,633.9	873.4	342.2	238.0	104.19	3.284	
10,000.0	7,844.3	9,937.2	7,753.6	55.7	57.3	-74.62	-2,733.9	873.8	342.2	234.5	107.70	3.177	
10,100.0	7,844.1	10,037.2	7,753.4	57.5	59.1	-74.62	-2,833.9	874.1	342.2	230.9	111.22	3.077	
10,200.0	7,843.9	10,137.2	7,753.2	59.3	60.8	-74.62	-2,933.9	874.4	342.2	227.4	114.75	2.982	

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 L-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 L-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 (11-4-14)	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:	0.0ft
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	
10,300.0	7,843.7	10,237.2	7,753.0	61.1	62.6	-74.62	-3,033.9	874.8	342.2	223.9	118.30	2.892	
10,400.0	7,843.5	10,337.2	7,752.8	62.9	64.4	-74.63	-3,133.9	875.1	342.2	220.3	121.85	2.808	
10,500.0	7,843.3	10,437.2	7,752.6	64.7	66.1	-74.63	-3,233.9	875.4	342.2	216.7	125.41	2.728	
10,600.0	7,843.0	10,537.2	7,752.4	66.5	67.9	-74.63	-3,333.9	875.8	342.2	213.2	128.99	2.653	
10,700.0	7,842.8	10,637.2	7,752.1	68.4	69.7	-74.63	-3,433.9	876.1	342.2	209.6	132.57	2.581	
10,800.0	7,842.6	10,737.2	7,751.9	70.2	71.5	-74.64	-3,533.9	876.4	342.1	206.0	136.16	2.513	
10,900.0	7,842.4	10,837.2	7,751.7	72.0	73.4	-74.64	-3,633.9	876.8	342.1	202.4	139.75	2.448	
11,000.0	7,842.2	10,937.2	7,751.5	73.9	75.2	-74.64	-3,733.9	877.1	342.1	198.8	143.35	2.387	
11,100.0	7,842.0	11,037.2	7,751.3	75.7	77.0	-74.64	-3,833.9	877.4	342.1	195.2	146.96	2.328	
11,200.0	7,841.7	11,137.2	7,751.1	77.6	78.8	-74.64	-3,933.9	877.8	342.1	191.6	150.57	2.272	
11,300.0	7,841.5	11,237.2	7,750.9	79.4	80.6	-74.65	-4,033.9	878.1	342.1	187.9	154.19	2.219	
11,400.0	7,841.3	11,337.2	7,750.7	81.3	82.5	-74.65	-4,133.9	878.4	342.1	184.3	157.81	2.168	
11,500.0	7,841.1	11,437.2	7,750.5	83.1	84.3	-74.65	-4,233.9	878.8	342.1	180.7	161.44	2.119	
11,600.0	7,840.9	11,537.2	7,750.3	85.0	86.2	-74.65	-4,333.9	879.1	342.1	177.1	165.07	2.073	
11,700.0	7,840.7	11,637.2	7,750.1	86.9	88.0	-74.66	-4,433.9	879.4	342.1	173.4	168.70	2.028	
11,800.0	7,840.5	11,737.2	7,749.9	88.7	89.8	-74.66	-4,533.9	879.8	342.1	169.8	172.34	1.985	
11,900.0	7,840.2	11,837.2	7,749.7	90.6	91.7	-74.66	-4,633.9	880.1	342.1	166.1	175.98	1.944	
12,000.0	7,840.0	11,937.2	7,749.5	92.5	93.5	-74.66	-4,733.9	880.5	342.1	162.5	179.63	1.905	
12,100.0	7,839.8	12,037.2	7,749.3	94.3	95.4	-74.66	-4,833.8	880.8	342.1	158.8	183.27	1.867	
12,200.0	7,839.6	12,137.2	7,749.1	96.2	97.3	-74.67	-4,933.8	881.1	342.1	155.2	186.93	1.830	
12,300.0	7,839.4	12,237.2	7,748.9	98.1	99.1	-74.67	-5,033.8	881.5	342.1	151.5	190.58	1.795	
12,400.0	7,839.2	12,337.2	7,748.7	100.0	101.0	-74.67	-5,133.8	881.8	342.1	147.9	194.23	1.761	
12,500.0	7,838.9	12,437.2	7,748.5	101.8	102.8	-74.67	-5,233.8	882.1	342.1	144.2	197.89	1.729	
12,600.0	7,838.7	12,537.2	7,748.3	103.7	104.7	-74.68	-5,333.8	882.5	342.1	140.6	201.55	1.697	
12,700.0	7,838.5	12,637.2	7,748.1	105.6	106.6	-74.68	-5,433.8	882.8	342.1	136.9	205.22	1.667	
12,800.0	7,838.3	12,737.2	7,747.9	107.5	108.4	-74.68	-5,533.8	883.1	342.1	133.2	208.88	1.638	
12,900.0	7,838.1	12,837.2	7,747.7	109.4	110.3	-74.68	-5,633.8	883.5	342.1	129.6	212.55	1.610	
13,000.0	7,837.9	12,937.2	7,747.5	111.2	112.2	-74.68	-5,733.8	883.8	342.1	125.9	216.22	1.582	
13,100.0	7,837.7	13,037.2	7,747.3	113.1	114.1	-74.69	-5,833.8	884.1	342.1	122.2	219.89	1.556	
13,200.0	7,837.4	13,137.2	7,747.1	115.0	115.9	-74.69	-5,933.8	884.5	342.1	118.5	223.56	1.530	
13,300.0	7,837.2	13,237.2	7,746.9	116.9	117.8	-74.69	-6,033.8	884.8	342.1	114.9	227.23	1.505	
13,400.0	7,837.0	13,337.2	7,746.7	118.8	119.7	-74.69	-6,133.8	885.1	342.1	111.2	230.91	1.481 Level 3	
13,500.0	7,836.8	13,437.2	7,746.5	120.7	121.6	-74.70	-6,233.8	885.5	342.1	107.5	234.58	1.458 Level 3	
13,600.0	7,836.6	13,537.2	7,746.3	122.6	123.4	-74.70	-6,333.8	885.8	342.1	103.8	238.26	1.436 Level 3	
13,700.0	7,836.4	13,637.2	7,746.1	124.5	125.3	-74.70	-6,433.8	886.2	342.1	100.1	241.94	1.414 Level 3	
13,800.0	7,836.2	13,737.2	7,745.9	126.3	127.2	-74.70	-6,533.8	886.5	342.1	96.5	245.62	1.393 Level 3	
13,900.0	7,835.9	13,837.2	7,745.7	128.2	129.1	-74.70	-6,633.8	886.8	342.1	92.8	249.30	1.372 Level 3	
14,000.0	7,835.7	13,937.2	7,745.5	130.1	131.0	-74.71	-6,733.8	887.2	342.1	89.1	252.98	1.352 Level 3	
14,100.0	7,835.5	14,037.2	7,745.3	132.0	132.9	-74.71	-6,833.8	887.5	342.1	85.4	256.67	1.333 Level 3	
14,200.0	7,835.3	14,137.2	7,745.1	133.9	134.7	-74.71	-6,933.8	887.8	342.1	81.7	260.35	1.314 Level 3	
14,300.0	7,835.1	14,237.2	7,744.9	135.8	136.6	-74.71	-7,033.8	888.2	342.1	78.0	264.04	1.296 Level 3	
14,400.0	7,834.9	14,337.2	7,744.7	137.7	138.5	-74.72	-7,133.8	888.5	342.1	74.3	267.73	1.278 Level 3	
14,500.0	7,834.6	14,437.2	7,744.5	139.6	140.4	-74.72	-7,233.8	888.8	342.1	70.6	271.41	1.260 Level 3	
14,600.0	7,834.4	14,537.2	7,744.3	141.5	142.3	-74.72	-7,333.8	889.2	342.1	67.0	275.10	1.243 Level 2	
14,700.0	7,834.2	14,637.2	7,744.1	143.4	144.2	-74.72	-7,433.8	889.5	342.1	63.3	278.79	1.227 Level 2	
14,800.0	7,834.0	14,737.2	7,743.9	145.3	146.1	-74.72	-7,533.8	889.8	342.1	59.6	282.48	1.211 Level 2	
14,900.0	7,833.8	14,837.2	7,743.7	147.2	148.0	-74.73	-7,633.8	890.2	342.1	55.9	286.17	1.195 Level 2	
15,000.0	7,833.6	14,937.2	7,743.5	149.1	149.9	-74.73	-7,733.8	890.5	342.0	52.2	289.87	1.180 Level 2	
15,100.0	7,833.4	15,037.2	7,743.3	151.0	151.7	-74.73	-7,833.8	890.8	342.0	48.5	293.56	1.165 Level 2	
15,200.0	7,833.1	15,137.2	7,743.1	152.9	153.6	-74.73	-7,933.8	891.2	342.0	44.8	297.25	1.151 Level 2	
15,300.0	7,832.9	15,237.2	7,742.9	154.8	155.5	-74.74	-8,033.8	891.5	342.0	41.1	300.95	1.137 Level 2	
15,400.0	7,832.7	15,337.2	7,742.7	156.7	157.4	-74.74	-8,133.8	891.8	342.0	37.4	304.64	1.123 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 L-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 L-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 (11-4-14)	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
15,500.0	7,832.5	15,437.2	7,742.5	158.6	159.3	-74.74	-8,233.8	892.2	342.0	33.7	308.34	1.109	Level 2
15,600.0	7,832.3	15,537.2	7,742.3	160.5	161.2	-74.74	-8,333.8	892.5	342.0	30.0	312.04	1.096	Level 2
15,700.0	7,832.1	15,637.2	7,742.1	162.4	163.0	-74.74	-8,433.8	892.9	342.0	26.4	315.60	1.084	Level 2
15,729.8	7,832.0	15,667.0	7,742.0	163.0	163.5	-74.75	-8,463.6	893.0	342.0	25.4	316.59	1.080	Level 2, SF

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	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
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	32.21	486.7	306.6	575.2					
100.0	100.0	97.0	97.0	0.1	0.1	32.21	486.7	306.6	575.2	575.0	0.22	2,598.083		
200.0	200.0	197.0	197.0	0.3	0.3	32.21	486.7	306.6	575.2	574.5	0.67	861.677		
300.0	300.0	297.0	297.0	0.6	0.6	32.21	486.7	306.6	575.2	574.1	1.12	514.926		
400.0	400.0	397.0	397.0	0.8	0.8	32.21	486.7	306.6	575.2	573.7	1.57	367.171		
500.0	500.0	516.5	516.5	1.0	1.0	32.08	485.7	304.5	573.6	571.5	2.04	281.286		
600.0	600.0	636.2	636.0	1.2	1.3	31.67	482.6	297.8	568.4	565.9	2.51	226.058		
700.0	700.0	755.1	754.2	1.5	1.6	30.97	477.5	286.6	559.9	556.9	3.01	186.058		
800.0	800.0	872.8	870.7	1.7	1.9	29.96	470.5	271.2	548.0	544.5	3.52	155.655		
900.0	900.0	988.9	984.8	1.9	2.3	28.61	461.6	251.8	533.1	529.0	4.05	131.709		
1,000.0	1,000.0	1,087.6	1,081.4	2.1	2.7	27.24	453.2	233.2	516.6	512.1	4.53	113.971		
1,100.0	1,100.0	1,185.5	1,177.1	2.4	3.1	25.79	444.8	214.9	500.4	495.4	5.01	99.894		
1,200.0	1,200.0	1,283.4	1,272.9	2.6	3.6	24.25	436.4	196.5	484.6	479.1	5.48	88.346		
1,300.0	1,300.0	1,381.0	1,368.4	2.8	4.0	-97.95	428.0	178.2	469.3	463.0	6.29	74.568		
1,400.0	1,399.8	1,478.1	1,463.4	3.0	4.4	-100.60	419.7	160.0	455.2	448.4	6.87	66.240		
1,500.0	1,499.5	1,574.5	1,557.8	3.2	4.8	-103.77	411.4	141.9	442.8	435.3	7.49	59.096		
1,600.0	1,598.8	1,670.4	1,651.6	3.4	5.3	-107.15	403.2	124.0	432.3	424.1	8.15	53.023		
1,700.0	1,698.2	1,766.3	1,745.5	3.6	5.7	-110.65	395.0	106.0	423.4	414.6	8.84	47.880		
1,800.0	1,797.6	1,862.2	1,839.3	3.9	6.1	-114.26	386.8	88.0	416.4	406.8	9.56	43.555		
1,900.0	1,896.9	1,958.1	1,933.1	4.1	6.6	-117.97	378.5	70.0	411.1	400.8	10.29	39.946		
2,000.0	1,996.3	2,054.0	2,026.9	4.4	7.0	-121.76	370.3	52.0	407.8	396.7	11.03	36.959		
2,100.0	2,095.7	2,149.9	2,120.8	4.7	7.4	-125.59	362.1	34.1	406.4	394.6	11.78	34.510		
2,119.3	2,114.9	2,168.4	2,138.9	4.7	7.5	-126.33	360.5	30.6	406.4	394.5	11.92	34.091 CC, ES		
2,200.0	2,195.0	2,245.8	2,214.6	5.0	7.9	-129.42	353.9	16.1	407.0	394.5	12.51	32.525		
2,300.0	2,294.4	2,341.6	2,308.4	5.2	8.3	-133.22	345.7	-1.9	409.6	396.4	13.24	30.937		
2,400.0	2,393.8	2,437.5	2,402.3	5.5	8.8	-136.97	337.5	-19.9	414.1	400.2	13.95	29.688		
2,500.0	2,493.1	2,533.4	2,496.1	5.8	9.2	-140.62	329.2	-37.9	420.5	405.8	14.64	28.729		
2,600.0	2,592.5	2,629.3	2,589.9	6.1	9.6	-144.17	321.0	-55.9	428.6	413.3	15.30	28.013		
2,700.0	2,691.9	2,725.2	2,683.8	6.4	10.1	-147.57	312.8	-73.8	438.5	422.6	15.94	27.503		
2,800.0	2,791.2	2,821.1	2,777.6	6.7	10.5	-150.83	304.6	-91.8	449.9	433.4	16.56	27.164		
2,900.0	2,890.6	2,917.0	2,871.4	7.0	11.0	-153.92	296.4	-109.8	462.8	445.7	17.16	26.969		
3,000.0	2,990.0	3,012.9	2,965.2	7.3	11.4	-156.85	288.1	-127.8	477.0	459.3	17.74	26.892		
3,100.0	3,089.3	3,108.8	3,059.1	7.6	11.8	-159.61	279.9	-145.8	492.5	474.2	18.30	26.911		
3,200.0	3,188.7	3,204.7	3,152.9	7.9	12.3	-162.21	271.7	-163.7	509.1	490.2	18.85	27.010		
3,300.0	3,288.1	3,300.5	3,246.7	8.2	12.7	-164.65	263.5	-181.7	526.6	507.3	19.38	27.172		
3,400.0	3,387.4	3,396.4	3,340.6	8.5	13.2	-166.94	255.3	-199.7	545.1	525.2	19.91	27.386		
3,500.0	3,486.8	3,492.3	3,434.4	8.8	13.6	-169.08	247.1	-217.7	564.4	544.0	20.42	27.640		
3,600.0	3,586.2	3,588.2	3,528.2	9.1	14.0	-171.08	238.8	-235.7	584.5	563.6	20.93	27.925		
3,700.0	3,685.5	3,684.1	3,622.1	9.4	14.5	-172.95	230.6	-253.7	605.2	583.8	21.43	28.235		
3,800.0	3,784.9	3,780.0	3,715.9	9.7	14.9	-174.70	222.4	-271.6	626.5	604.6	21.94	28.562		
3,900.0	3,884.3	3,875.9	3,809.7	10.0	15.4	-176.34	214.2	-289.6	648.4	625.9	22.43	28.902		
4,000.0	3,983.6	3,971.8	3,903.6	10.3	15.8	-177.87	206.0	-307.6	670.7	647.8	22.93	29.251		
4,100.0	4,083.0	4,067.7	3,997.4	10.6	16.2	-179.31	197.7	-325.6	693.5	670.1	23.43	29.605		
4,200.0	4,182.4	4,163.6	4,091.2	10.9	16.7	-179.35	189.5	-343.6	716.7	692.8	23.92	29.961		
4,300.0	4,281.7	4,259.5	4,185.0	11.2	17.1	-178.08	181.3	-361.5	740.2	715.8	24.42	30.318		
4,400.0	4,381.1	4,355.3	4,278.9	11.5	17.6	-176.89	173.1	-379.5	764.1	739.2	24.91	30.673		
4,500.0	4,480.5	4,451.2	4,372.7	11.8	18.0	-175.78	164.9	-397.5	788.3	762.9	25.41	31.026		
4,600.0	4,579.8	4,547.1	4,466.5	12.1	18.5	-174.73	156.6	-415.5	812.7	786.8	25.90	31.374		
4,700.0	4,679.2	4,643.0	4,560.4	12.4	18.9	-173.73	148.4	-433.5	837.4	811.0	26.40	31.718		
4,800.0	4,778.6	4,738.9	4,654.2	12.7	19.3	-172.80	140.2	-451.5	862.3	835.4	26.90	32.055		
4,900.0	4,877.9	4,834.8	4,748.0	13.0	19.8	-171.92	132.0	-469.4	887.4	860.0	27.40	32.387		
5,000.0	4,977.3	4,930.7	4,841.9	13.3	20.2	-171.08	123.8	-487.4	912.8	884.9	27.90	32.712		

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 L-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 L-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 (11-4-14)	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	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)			
5,100.0	5,076.7	5,026.6	4,935.7	13.6	20.7	170.29	115.6	-505.4	938.3	909.8	28.41	33.030		
5,200.0	5,176.0	5,122.5	5,029.5	13.9	21.1	169.54	107.3	-523.4	963.9	935.0	28.91	33.341		
5,300.0	5,275.4	5,218.4	5,123.3	14.3	21.6	168.83	99.1	-541.4	989.7	960.3	29.42	33.645		
7,000.0	6,965.8	9,050.1	7,842.5	19.2	37.7	-121.09	-43.7	539.9	919.1	863.3	55.90	16.443		
7,100.0	7,065.8	9,049.9	7,842.5	19.4	37.7	0.80	-43.7	539.7	824.0	767.9	56.10	14.686		
7,200.0	7,165.8	9,049.5	7,842.5	19.5	37.7	-179.20	-43.7	539.4	730.4	674.1	56.29	12.976		
7,300.0	7,265.0	9,049.2	7,842.5	19.7	37.7	-179.42	-43.7	539.1	644.0	588.1	55.92	11.516		
7,400.0	7,361.7	9,049.0	7,842.5	20.1	37.7	-179.52	-43.7	538.9	571.6	516.9	54.66	10.456		
7,500.0	7,453.8	9,048.9	7,842.5	20.5	37.7	-179.57	-43.7	538.8	520.5	468.0	52.55	9.905 SF		
7,600.0	7,539.7	9,048.9	7,842.5	21.0	37.7	-179.59	-43.7	538.8	498.6	449.0	49.66	10.041		
7,616.0	7,552.8	9,049.0	7,842.5	21.1	37.7	-179.59	-43.7	538.8	498.2	449.0	49.13	10.140		
7,700.0	7,617.7	9,049.0	7,842.5	21.6	37.7	-179.57	-43.7	538.9	510.0	463.9	46.09	11.065		
7,800.0	7,686.2	9,049.3	7,842.5	22.3	37.7	-179.51	-43.7	539.1	552.5	510.5	42.00	13.154		
7,900.0	7,743.9	9,049.5	7,842.5	23.2	37.7	-179.40	-43.7	539.4	619.0	581.4	37.60	16.464		
8,000.0	7,789.7	9,049.9	7,842.5	24.2	37.7	-179.20	-43.7	539.8	701.6	668.5	33.17	21.153		
8,100.0	7,822.7	9,050.4	7,842.5	25.3	37.7	-178.75	-43.7	540.3	794.1	764.9	29.16	27.235		
8,200.0	7,842.2	9,050.9	7,842.5	26.5	37.7	-177.24	-43.7	540.8	891.7	865.5	26.24	33.984		
8,300.0	7,848.0	9,051.6	7,842.5	27.8	37.7	-55.06	-43.7	541.4	991.5	952.6	38.86	25.513		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	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	32.50	472.8	301.3	560.7					
100.0	100.0	97.0	97.0	0.1	0.1	32.50	472.8	301.3	560.7	560.4	0.22	2,532.379		
200.0	200.0	197.0	197.0	0.3	0.3	32.50	472.8	301.3	560.7	560.0	0.67	839.886		
300.0	300.0	318.6	318.6	0.6	0.6	32.41	471.4	299.3	558.8	557.7	1.15	487.393		
400.0	400.0	440.4	440.1	0.8	0.9	32.13	466.9	293.2	553.0	551.3	1.64	336.801		
500.0	500.0	561.4	560.4	1.0	1.2	31.63	459.4	282.9	543.2	541.1	2.17	250.721		
600.0	600.0	681.1	678.8	1.2	1.6	30.91	449.0	268.8	529.7	526.9	2.72	194.746		
700.0	700.0	799.1	794.7	1.5	2.0	29.94	435.9	251.0	512.4	509.1	3.30	155.241		
800.0	800.0	906.9	899.8	1.7	2.5	28.78	421.6	231.7	491.9	488.1	3.88	126.802		
900.0	900.0	1,004.2	994.5	1.9	3.0	27.62	408.4	213.7	471.1	466.7	4.42	106.702		
1,000.0	1,000.0	1,101.5	1,089.3	2.1	3.4	26.34	395.2	195.7	450.5	445.6	4.95	91.045		
1,100.0	1,100.0	1,198.9	1,184.0	2.4	3.9	24.95	382.0	177.7	430.2	424.7	5.48	78.573		
1,200.0	1,200.0	1,296.2	1,278.8	2.6	4.4	23.42	368.8	159.7	410.1	404.1	5.99	68.445		
1,300.0	1,300.0	1,393.4	1,373.3	2.8	4.9	-98.95	355.6	141.8	390.6	384.0	6.55	59.638		
1,400.0	1,399.8	1,490.1	1,467.5	3.0	5.3	-101.95	342.4	123.9	372.2	365.1	7.16	51.962		
1,500.0	1,499.5	1,586.2	1,561.1	3.2	5.8	-105.68	329.4	106.2	355.6	347.8	7.84	45.358		
1,600.0	1,598.8	1,681.9	1,654.2	3.4	6.3	-109.79	316.4	88.5	341.2	332.7	8.58	39.787		
1,700.0	1,698.2	1,777.6	1,747.4	3.6	6.8	-114.16	303.4	70.8	328.8	319.5	9.36	35.126		
1,800.0	1,797.6	1,873.3	1,840.5	3.9	7.2	-118.81	290.4	53.1	318.6	308.4	10.19	31.276		
1,900.0	1,896.9	1,969.0	1,933.6	4.1	7.7	-123.72	277.4	35.5	310.7	299.7	11.04	28.148		
2,000.0	1,996.3	2,064.7	2,026.8	4.4	8.2	-128.82	264.4	17.8	305.4	293.5	11.90	25.657		
2,100.0	2,095.7	2,160.4	2,119.9	4.7	8.7	-134.04	251.4	0.1	302.8	290.1	12.76	23.723		
2,143.1	2,138.5	2,201.6	2,160.1	4.8	8.9	-136.31	245.8	-7.5	302.6	289.4	13.13	23.042		
2,200.0	2,195.0	2,256.1	2,213.1	5.0	9.1	-139.30	238.4	-17.6	303.0	289.4	13.61	22.270		
2,300.0	2,294.4	2,351.8	2,306.2	5.2	9.6	-144.51	225.4	-35.2	306.0	291.6	14.41	21.227		
2,400.0	2,393.8	2,447.5	2,399.3	5.5	10.1	-149.59	212.4	-52.9	311.6	296.5	15.18	20.528		
2,500.0	2,493.1	2,543.1	2,492.5	5.8	10.6	-154.46	199.4	-70.6	319.8	303.9	15.90	20.114		
2,600.0	2,592.5	2,638.8	2,585.6	6.1	11.1	-159.08	186.4	-88.3	330.4	313.8	16.58	19.933		
2,700.0	2,691.9	2,734.5	2,678.8	6.4	11.5	-163.40	173.4	-105.9	343.1	325.9	17.21	19.938		
2,800.0	2,791.2	2,830.2	2,771.9	6.7	12.0	-167.42	160.4	-123.6	357.7	339.9	17.80	20.091		
2,900.0	2,890.6	2,925.9	2,865.0	7.0	12.5	-171.12	147.4	-141.3	374.0	355.6	18.37	20.359		
3,000.0	2,990.0	3,021.6	2,958.2	7.3	13.0	-174.52	134.4	-159.0	391.8	372.9	18.91	20.714		
3,100.0	3,089.3	3,117.3	3,051.3	7.6	13.5	-177.63	121.4	-176.6	410.9	391.4	19.44	21.134		
3,200.0	3,188.7	3,213.0	3,144.5	7.9	13.9	-179.54	108.4	-194.3	431.0	411.1	19.95	21.602		
3,300.0	3,288.1	3,308.6	3,237.6	8.2	14.4	-176.95	95.4	-212.0	452.2	431.7	20.46	22.101		
3,400.0	3,387.4	3,404.3	3,330.7	8.5	14.9	-174.58	82.4	-229.7	474.2	453.2	20.96	22.622		
3,500.0	3,486.8	3,500.0	3,423.9	8.8	15.4	-172.43	69.4	-247.3	496.9	475.4	21.46	23.156		
3,600.0	3,586.2	3,595.7	3,517.0	9.1	15.9	-170.46	56.4	-265.0	520.2	498.3	21.96	23.695		
3,700.0	3,685.5	3,691.4	3,610.2	9.4	16.3	-168.65	43.4	-282.7	544.1	521.7	22.45	24.234		
3,800.0	3,784.9	3,787.1	3,703.3	9.7	16.8	-166.99	30.5	-300.4	568.5	545.6	22.95	24.769		
3,900.0	3,884.3	3,882.8	3,796.4	10.0	17.3	-165.47	17.5	-318.0	593.3	569.8	23.45	25.297		
4,000.0	3,983.6	3,978.5	3,889.6	10.3	17.8	-164.07	4.5	-335.7	618.5	594.5	23.96	25.817		
4,100.0	4,083.0	4,074.1	3,982.7	10.6	18.3	-162.78	-8.5	-353.4	644.0	619.5	24.46	26.325		
4,200.0	4,182.4	4,169.8	4,075.8	10.9	18.7	-161.58	-21.5	-371.1	669.7	644.8	24.97	26.821		
4,300.0	4,281.7	4,265.5	4,169.0	11.2	19.2	-160.47	-34.5	-388.7	695.8	670.3	25.48	27.305		
4,400.0	4,381.1	4,361.2	4,262.1	11.5	19.7	-159.44	-47.5	-406.4	722.0	696.1	26.00	27.775		
4,500.0	4,480.5	4,456.9	4,355.3	11.8	20.2	-158.48	-60.5	-424.1	748.5	722.0	26.51	28.232		
4,600.0	4,579.8	4,552.6	4,448.4	12.1	20.7	-157.59	-73.5	-441.7	775.2	748.1	27.03	28.675		
4,700.0	4,679.2	4,648.3	4,541.5	12.4	21.1	-156.75	-86.5	-459.4	802.0	774.4	27.56	29.105		
4,800.0	4,778.6	4,744.0	4,634.7	12.7	21.6	-155.97	-99.5	-477.1	829.0	800.9	28.08	29.522		
4,900.0	4,877.9	4,839.6	4,727.8	13.0	22.1	-155.24	-112.5	-494.8	856.1	827.5	28.61	29.925		
5,000.0	4,977.3	4,935.3	4,821.0	13.3	22.6	-154.55	-125.5	-512.4	883.3	854.2	29.14	30.316		

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 L-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 L-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 (11-4-14)	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						
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	5,076.7	5,031.0	4,914.1	13.6	23.1	153.90	-138.5	-530.1	910.7	881.0	29.67	30.695	
5,200.0	5,176.0	5,126.7	5,007.2	13.9	23.5	153.29	-151.5	-547.8	938.1	907.9	30.20	31.061	
5,300.0	5,275.4	5,222.4	5,100.4	14.3	24.0	152.71	-164.5	-565.5	965.7	934.9	30.74	31.416	
5,400.0	5,374.8	5,318.1	5,193.5	14.6	24.5	152.17	-177.5	-583.1	993.3	962.0	31.28	31.759	
6,800.0	6,766.1	8,981.7	7,751.7	18.8	37.4	127.20	-373.7	530.9	991.1	948.3	42.79	23.159	
6,900.0	6,865.8	8,987.0	7,751.7	19.0	37.5	96.73	-373.7	536.1	891.3	840.2	51.09	17.446	
7,000.0	6,965.8	8,989.2	7,751.7	19.2	37.5	65.41	-373.7	538.3	791.5	735.8	55.71	14.208	
7,100.0	7,065.8	8,989.0	7,751.7	19.4	37.5	178.05	-373.7	538.2	691.9	636.0	55.83	12.392	
7,200.0	7,165.8	8,988.7	7,751.7	19.5	37.5	-2.68	-373.7	537.8	592.3	536.3	56.02	10.572	
7,300.0	7,265.0	8,988.4	7,751.7	19.7	37.5	-178.08	-373.7	537.6	492.4	436.4	55.92	8.805	
7,400.0	7,361.7	8,988.2	7,751.7	20.1	37.5	-179.33	-373.7	537.4	393.9	339.1	54.79	7.190	
7,500.0	7,453.8	8,988.1	7,751.7	20.5	37.5	-179.56	-373.7	537.3	301.2	248.3	52.81	5.703	
7,600.0	7,539.7	8,988.2	7,751.7	21.0	37.5	-179.63	-373.7	537.3	224.2	174.2	50.05	4.480	
7,700.0	7,617.7	8,988.3	7,751.7	21.6	37.5	-179.61	-373.7	537.5	186.3	139.7	46.61	3.998 SF	
7,711.9	7,626.4	8,988.3	7,751.7	21.7	37.5	-179.60	-373.7	537.5	185.8	139.7	46.16	4.027 CC, ES	
7,800.0	7,686.2	8,988.5	7,751.7	22.3	37.5	-179.53	-373.7	537.7	210.5	167.8	42.62	4.938	
7,900.0	7,743.9	8,988.8	7,751.7	23.2	37.5	-179.34	-373.7	538.0	280.8	242.5	38.30	7.331	
8,000.0	7,789.7	8,989.2	7,751.7	24.2	37.5	-178.90	-373.7	538.4	371.0	337.1	33.93	10.935	
8,100.0	7,822.7	8,989.7	7,751.7	25.3	37.5	-177.30	-373.7	538.9	468.6	438.6	30.02	15.610	
8,200.0	7,842.2	8,990.2	7,751.7	26.5	37.5	-11.61	-373.7	539.4	568.4	541.6	26.86	21.163	
8,300.0	7,848.0	8,990.8	7,751.7	27.8	37.6	-2.45	-373.7	540.0	668.0	643.2	24.80	26.939	
8,400.0	7,847.8	8,991.5	7,751.7	29.2	37.6	-2.85	-373.7	540.7	767.1	741.9	25.17	30.481	
8,500.0	7,847.6	8,992.2	7,751.7	30.6	37.6	-3.25	-373.8	541.3	866.4	840.8	25.58	33.867	
8,600.0	7,847.3	8,992.8	7,751.7	32.1	37.6	-3.65	-373.8	542.0	965.9	939.8	26.04	37.090	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 415- North Washington Pad SEC.23-T1S-R68W - North Washington 1-23 (Exist.) - Wellbore #1 North Washi												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	
13,400.0	7,837.0	8,230.8	7,903.1	118.8	40.1	-91.82	-6,734.5	1,340.8	988.4	832.1	156.34	6.322	
13,500.0	7,836.8	8,220.4	7,892.7	120.7	40.0	-91.06	-6,735.6	1,340.3	930.9	772.6	158.28	5.881	
13,600.0	7,836.6	8,209.9	7,882.3	122.6	40.0	-90.30	-6,736.8	1,339.7	880.8	720.6	160.21	5.498	
13,700.0	7,836.4	8,201.0	7,873.5	124.5	40.0	-89.65	-6,737.8	1,339.2	839.5	677.4	162.11	5.179	
13,800.0	7,836.2	8,188.6	7,861.2	126.3	39.9	-88.75	-6,739.2	1,338.6	808.4	644.5	163.98	4.930	
13,900.0	7,835.9	8,177.7	7,850.3	128.2	39.9	-87.95	-6,740.4	1,338.0	788.7	622.9	165.83	4.756	
14,000.0	7,835.7	8,166.5	7,839.2	130.1	39.9	-87.14	-6,741.7	1,337.5	781.3	613.6	167.64	4.660	
14,009.4	7,835.7	8,165.4	7,838.1	130.3	39.9	-87.06	-6,741.8	1,337.4	781.2	613.4	167.81	4.655 CC, ES	
14,100.0	7,835.5	8,155.0	7,827.8	132.0	39.8	-86.30	-6,743.1	1,336.9	786.4	617.0	169.42	4.642 SF	
14,200.0	7,835.3	8,143.2	7,816.2	133.9	39.8	-85.45	-6,744.4	1,336.3	803.8	632.7	171.16	4.696	
14,300.0	7,835.1	8,131.2	7,804.2	135.8	39.8	-84.57	-6,745.9	1,335.7	832.8	659.9	172.86	4.818	
14,400.0	7,834.9	8,118.9	7,792.0	137.7	39.7	-83.68	-6,747.4	1,335.1	872.2	697.7	174.52	4.998	
14,500.0	7,834.6	8,106.2	7,779.5	139.6	39.7	-82.76	-6,748.9	1,334.5	920.6	744.5	176.12	5.227	
14,600.0	7,834.4	8,093.0	7,766.4	141.5	39.7	-81.81	-6,750.6	1,333.9	976.8	799.1	177.67	5.498	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 186- North Washington Pad SEC.23-T1S-R68W - North Washington 2-23 (Exist.) - North Washington 2-23 -												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
13,000.0	7,837.9	8,327.9	8,007.3	111.2		105.96	-6,586.2	106.4	969.9	862.3	107.57	9.016	
13,100.0	7,837.7	8,310.5	7,990.2	113.1		103.94	-6,589.0	107.0	883.5	773.2	110.23	8.015	
13,200.0	7,837.4	8,295.0	7,974.9	115.0		102.10	-6,591.6	107.5	799.9	687.1	112.74	7.095	
13,300.0	7,837.2	8,278.2	7,958.3	116.9		100.08	-6,594.3	108.0	720.1	604.9	115.23	6.249	
13,400.0	7,837.0	8,262.3	7,942.7	118.8		98.15	-6,596.9	108.5	645.6	528.0	117.59	5.490	
13,500.0	7,836.8	8,246.1	7,926.7	120.7		96.14	-6,599.6	109.1	578.3	458.4	119.87	4.824	
13,600.0	7,836.6	8,229.5	7,910.4	122.6		94.07	-6,602.4	109.6	521.1	399.1	122.04	4.270	
13,700.0	7,836.4	8,212.5	7,893.6	124.5		91.94	-6,605.4	110.2	477.6	353.6	124.08	3.849	
13,800.0	7,836.2	8,194.9	7,876.3	126.3		89.71	-6,608.4	110.8	451.8	325.8	125.98	3.586	
13,874.1	7,836.0	8,181.7	7,863.3	127.8		88.04	-6,610.7	111.2	445.8	318.6	127.27	3.503 CC, ES	
13,900.0	7,835.9	8,177.2	7,858.8	128.2		87.47	-6,611.5	111.4	446.6	318.9	127.71	3.497 SF	
14,000.0	7,835.7	8,159.9	7,841.8	130.1		85.29	-6,614.4	112.0	462.8	333.5	129.27	3.580	
14,100.0	7,835.5	8,143.1	7,825.3	132.0		83.17	-6,617.2	112.6	498.3	367.6	130.68	3.813	
14,200.0	7,835.3	8,126.8	7,809.2	133.9		81.12	-6,619.9	113.1	549.4	417.5	131.95	4.164	
14,300.0	7,835.1	8,110.9	7,793.5	135.8		79.15	-6,622.4	113.7	612.3	479.2	133.08	4.601	
14,400.0	7,834.9	8,095.3	7,778.1	137.7		77.22	-6,625.0	114.3	683.7	549.6	134.08	5.099	
14,500.0	7,834.6	8,079.8	7,762.8	139.6		75.34	-6,627.4	114.9	761.3	626.3	134.95	5.641	
14,600.0	7,834.4	8,064.6	7,747.8	141.5		73.51	-6,629.8	115.4	843.2	707.5	135.71	6.214	
14,700.0	7,834.2	8,049.5	7,732.9	143.4		71.73	-6,632.2	116.0	928.5	792.1	136.36	6.809	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	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
14,600.0	7,834.4	8,048.2	7,874.1	141.5	25.8	-89.88	-7,847.7	1,410.6	993.8	830.9	162.96	6.099	
14,700.0	7,834.2	8,048.0	7,873.9	143.4	25.8	-89.87	-7,847.7	1,410.6	945.8	781.0	164.86	5.737	
14,800.0	7,834.0	8,047.8	7,873.7	145.3	25.8	-89.86	-7,847.7	1,410.6	906.4	739.6	166.76	5.435	
14,900.0	7,833.8	8,047.6	7,873.5	147.2	25.8	-89.84	-7,847.7	1,410.6	876.6	707.9	168.66	5.197	
15,000.0	7,833.6	8,047.4	7,873.3	149.1	25.8	-89.83	-7,847.7	1,410.6	857.5	686.9	170.57	5.027	
15,100.0	7,833.4	8,047.2	7,873.1	151.0	25.8	-89.82	-7,847.7	1,410.6	849.8	677.4	172.47	4.928	
15,115.5	7,833.3	8,047.2	7,873.1	151.3	25.8	-89.82	-7,847.7	1,410.6	849.7	676.9	172.76	4.918 CC, ES	
15,200.0	7,833.1	8,047.1	7,872.9	152.9	25.8	-89.80	-7,847.7	1,410.6	853.9	679.5	174.37	4.897 SF	
15,300.0	7,832.9	8,046.9	7,872.7	154.8	25.8	-89.79	-7,847.7	1,410.6	869.5	693.2	176.28	4.933	
15,400.0	7,832.7	8,046.7	7,872.5	156.7	25.8	-89.78	-7,847.7	1,410.6	896.1	717.9	178.18	5.029	
15,500.0	7,832.5	8,046.5	7,872.3	158.6	25.8	-89.77	-7,847.7	1,410.6	932.7	752.6	180.08	5.179	
15,600.0	7,832.3	8,046.3	7,872.2	160.5	25.8	-89.75	-7,847.7	1,410.6	978.2	796.2	181.99	5.375	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5132.5ft (Original Well Elev) Coordinates are relative to: Ivey L-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°



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey L-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 L-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 (11-4-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5132.5ft (Original Well Elev) Coordinates are relative to: Ivey L-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°

