

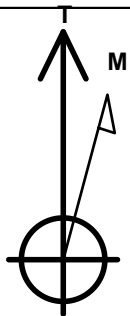
Bayswater Exploration & Production, LLC

Well Name: **Ivey I-14-23HC**

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 1233625.75 3149438.79 39.973453 -104.966787
 Original Well Elev WELL @ 5132.5ft (Original Well Elev)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 520'FSL, 2064'FEL, SEC.11	1.0	0.0	0.0	Point
BHL 2600'FNL, 2335'FEL, SEC.23	7989.0	-8416.4	-244.8	Point
LANDING PT. 465'FNL, 2335'FEL, SEC.14	7989.0	-984.7	-269.6	Point



Azimuths to True North
 Magnetic North: 8.52°

Magnetic Field
 Strength: 52559.8srT
 Dip Angle: 66.57°
 Date: 7/10/2014
 Model: IGRF2010

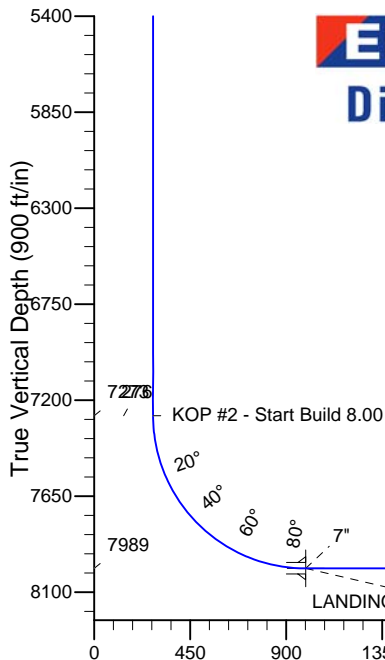
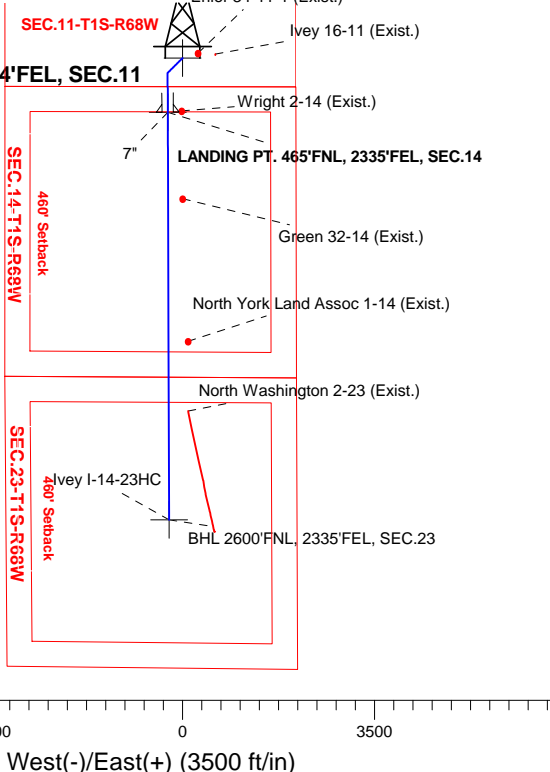
Ivey Pad Sec.11-T1S-R68W
 Ivey I-14-23HC
 Plan #2 (11-4-14)
 8:36, November 06 2014

ANNOTATIONS

TVD	MD	Annotation
1200.0	1200.0	KOP - Start Build 2.00
4687.7	4707.4	Start Drop -2.00
7273.0	7293.3	KOP #2 - Start Build 8.00
7989.0	15849.8	TD at 15849.8

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

SHL 520'FSL, 2064'FEL, SEC.11



ENSIGN
 Directional

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1512.9	6.26	225.35	1512.3	-12.0	-12.1	2.00	225.35	12.3	
4	4707.4	6.26	225.35	4687.7	-256.7	-259.9	0.00	0.00	264.1	
5	5020.3	0.00	0.00	5000.0	-268.7	-272.0	2.00	180.00	276.5	
6	7293.3	0.00	0.00	7273.0	-268.7	-272.0	0.00	0.00	276.5	
7	8417.9	90.00	179.81	7989.0	-984.6	-269.6	8.00	179.81	992.1	
8	8417.9	90.00	179.81	7989.0	-984.7	-269.6	0.00	0.00	992.1	LANDING PT. 465'FNL, 2335'FEL, SEC.14
9	8457.4	90.00	179.81	7989.0	-1024.1	-269.5	0.01	-90.00	1031.5	
10	15849.8	90.00	179.81	7989.0	-8416.4	-244.8	0.00	0.00	8420.0	BHL 2600'FNL, 2335'FEL, SEC.23

BHL 2600'FNL, 2335'FEL, SEC.23

Vertical Section at 181.67° (900 ft/in)



Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey I-14-23HC

Wellbore #1

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

Standard Planning Report

06 November, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	Landmark	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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 I-14-23HC					
Well Position	+N-S	-655.4 ft	Northing:	1,233,625.75 ft	Latitude:	39.973453
	+E-W	-370.2 ft	Easting:	3,149,438.79 ft	Longitude:	-104.966787
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,110.0 ft

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

Design	Plan #2 (11-4-14)			
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	181.67

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	
1,512.9	6.26	225.35	1,512.3	-12.0	-12.1	2.00	2.00	0.00	225.35	
4,707.4	6.26	225.35	4,687.7	-256.7	-259.9	0.00	0.00	0.00	0.00	
5,020.3	0.00	0.00	5,000.0	-268.7	-272.0	2.00	-2.00	0.00	180.00	
7,293.3	0.00	0.00	7,273.0	-268.7	-272.0	0.00	0.00	0.00	0.00	
8,417.9	90.00	179.81	7,989.0	-984.6	-269.6	8.00	8.00	0.00	179.81	
8,417.9	90.00	179.81	7,989.0	-984.7	-269.6	0.00	0.00	0.00	0.00	LANDING PT. 465'I
8,457.4	90.00	179.81	7,989.0	-1,024.1	-269.5	0.01	0.00	-0.01	-90.00	
15,849.8	90.00	179.81	7,989.0	-8,416.4	-244.8	0.00	0.00	0.00	0.00	BHL 2600'FNL, 233

Database:	Landmark	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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	225.35	1,300.0	-1.2	-1.2	1.3	2.00	2.00	0.00
1,400.0	4.00	225.35	1,399.8	-4.9	-5.0	5.0	2.00	2.00	0.00
1,500.0	6.00	225.35	1,499.5	-11.0	-11.2	11.3	2.00	2.00	0.00
1,512.9	6.26	225.35	1,512.3	-12.0	-12.1	12.3	2.00	2.00	0.00
1,600.0	6.26	225.35	1,598.9	-18.7	-18.9	19.2	0.00	0.00	0.00
1,700.0	6.26	225.35	1,698.3	-26.3	-26.7	27.1	0.00	0.00	0.00
1,800.0	6.26	225.35	1,797.7	-34.0	-34.4	35.0	0.00	0.00	0.00
1,900.0	6.26	225.35	1,897.1	-41.6	-42.2	42.9	0.00	0.00	0.00
2,000.0	6.26	225.35	1,996.5	-49.3	-49.9	50.7	0.00	0.00	0.00
2,100.0	6.26	225.35	2,095.9	-57.0	-57.7	58.6	0.00	0.00	0.00
2,200.0	6.26	225.35	2,195.3	-64.6	-65.4	66.5	0.00	0.00	0.00
2,300.0	6.26	225.35	2,294.7	-72.3	-73.2	74.4	0.00	0.00	0.00
2,400.0	6.26	225.35	2,394.1	-80.0	-80.9	82.3	0.00	0.00	0.00
2,500.0	6.26	225.35	2,493.5	-87.6	-88.7	90.2	0.00	0.00	0.00
2,600.0	6.26	225.35	2,592.9	-95.3	-96.4	98.0	0.00	0.00	0.00
2,700.0	6.26	225.35	2,692.3	-102.9	-104.2	105.9	0.00	0.00	0.00
2,800.0	6.26	225.35	2,791.7	-110.6	-112.0	113.8	0.00	0.00	0.00
2,900.0	6.26	225.35	2,891.1	-118.3	-119.7	121.7	0.00	0.00	0.00
3,000.0	6.26	225.35	2,990.5	-125.9	-127.5	129.6	0.00	0.00	0.00
3,100.0	6.26	225.35	3,089.9	-133.6	-135.2	137.4	0.00	0.00	0.00
3,200.0	6.26	225.35	3,189.3	-141.2	-143.0	145.3	0.00	0.00	0.00
3,300.0	6.26	225.35	3,288.7	-148.9	-150.7	153.2	0.00	0.00	0.00
3,400.0	6.26	225.35	3,388.1	-156.6	-158.5	161.1	0.00	0.00	0.00
3,500.0	6.26	225.35	3,487.5	-164.2	-166.2	169.0	0.00	0.00	0.00
3,600.0	6.26	225.35	3,586.9	-171.9	-174.0	176.9	0.00	0.00	0.00
3,700.0	6.26	225.35	3,686.3	-179.5	-181.7	184.7	0.00	0.00	0.00
3,800.0	6.26	225.35	3,785.8	-187.2	-189.5	192.6	0.00	0.00	0.00
3,900.0	6.26	225.35	3,885.2	-194.9	-197.2	200.5	0.00	0.00	0.00
4,000.0	6.26	225.35	3,984.6	-202.5	-205.0	208.4	0.00	0.00	0.00
4,100.0	6.26	225.35	4,084.0	-210.2	-212.8	216.3	0.00	0.00	0.00
4,200.0	6.26	225.35	4,183.4	-217.8	-220.5	224.2	0.00	0.00	0.00
4,300.0	6.26	225.35	4,282.8	-225.5	-228.3	232.0	0.00	0.00	0.00
4,400.0	6.26	225.35	4,382.2	-233.2	-236.0	239.9	0.00	0.00	0.00
4,500.0	6.26	225.35	4,481.6	-240.8	-243.8	247.8	0.00	0.00	0.00
4,600.0	6.26	225.35	4,581.0	-248.5	-251.5	255.7	0.00	0.00	0.00
4,700.0	6.26	225.35	4,680.4	-256.1	-259.3	263.6	0.00	0.00	0.00
4,707.4	6.26	225.35	4,687.7	-256.7	-259.9	264.2	0.00	0.00	0.00
Start Drop -2.00									
4,800.0	4.41	225.35	4,779.9	-262.8	-266.0	270.4	2.00	-2.00	0.00
4,900.0	2.41	225.35	4,879.8	-266.9	-270.2	274.7	2.00	-2.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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Project:	SEC.11-T1S-R68W	MD Reference:	WELL @ 5132.5ft (Original Well Elev)
Site:	Ivey Pad Sec.11-T1S-R68W	North Reference:	True
Well:	Ivey I-14-23HC	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)
5,000.0	0.41	225.35	4,979.7	-268.6	-271.9	276.4	2.00	-2.00	0.00
5,020.3	0.00	0.00	5,000.0	-268.7	-272.0	276.5	2.00	-2.00	0.00
5,100.0	0.00	0.00	5,079.7	-268.7	-272.0	276.5	0.00	0.00	0.00
5,200.0	0.00	0.00	5,179.7	-268.7	-272.0	276.5	0.00	0.00	0.00
5,300.0	0.00	0.00	5,279.7	-268.7	-272.0	276.5	0.00	0.00	0.00
5,400.0	0.00	0.00	5,379.7	-268.7	-272.0	276.5	0.00	0.00	0.00
5,500.0	0.00	0.00	5,479.7	-268.7	-272.0	276.5	0.00	0.00	0.00
5,600.0	0.00	0.00	5,579.7	-268.7	-272.0	276.5	0.00	0.00	0.00
5,700.0	0.00	0.00	5,679.7	-268.7	-272.0	276.5	0.00	0.00	0.00
5,800.0	0.00	0.00	5,779.7	-268.7	-272.0	276.5	0.00	0.00	0.00
5,900.0	0.00	0.00	5,879.7	-268.7	-272.0	276.5	0.00	0.00	0.00
6,000.0	0.00	0.00	5,979.7	-268.7	-272.0	276.5	0.00	0.00	0.00
6,100.0	0.00	0.00	6,079.7	-268.7	-272.0	276.5	0.00	0.00	0.00
6,200.0	0.00	0.00	6,179.7	-268.7	-272.0	276.5	0.00	0.00	0.00
6,300.0	0.00	0.00	6,279.7	-268.7	-272.0	276.5	0.00	0.00	0.00
6,400.0	0.00	0.00	6,379.7	-268.7	-272.0	276.5	0.00	0.00	0.00
6,500.0	0.00	0.00	6,479.7	-268.7	-272.0	276.5	0.00	0.00	0.00
6,600.0	0.00	0.00	6,579.7	-268.7	-272.0	276.5	0.00	0.00	0.00
6,700.0	0.00	0.00	6,679.7	-268.7	-272.0	276.5	0.00	0.00	0.00
6,800.0	0.00	0.00	6,779.7	-268.7	-272.0	276.5	0.00	0.00	0.00
6,900.0	0.00	0.00	6,879.7	-268.7	-272.0	276.5	0.00	0.00	0.00
7,000.0	0.00	0.00	6,979.7	-268.7	-272.0	276.5	0.00	0.00	0.00
7,100.0	0.00	0.00	7,079.7	-268.7	-272.0	276.5	0.00	0.00	0.00
7,200.0	0.00	0.00	7,179.7	-268.7	-272.0	276.5	0.00	0.00	0.00
7,293.3	0.00	0.00	7,273.0	-268.7	-272.0	276.5	0.00	0.00	0.00
KOP #2 - Start Build 8.00									
7,300.0	0.53	179.81	7,279.7	-268.7	-272.0	276.5	7.97	7.97	0.00
7,400.0	8.54	179.81	7,379.3	-276.6	-272.0	284.4	8.00	8.00	0.00
7,500.0	16.54	179.81	7,476.9	-298.3	-271.9	306.1	8.00	8.00	0.00
7,600.0	24.54	179.81	7,570.4	-333.4	-271.8	341.1	8.00	8.00	0.00
7,700.0	32.55	179.81	7,658.2	-381.1	-271.6	388.9	8.00	8.00	0.00
7,800.0	40.55	179.81	7,738.5	-440.6	-271.4	448.3	8.00	8.00	0.00
7,900.0	48.55	179.81	7,809.7	-510.7	-271.2	518.4	8.00	8.00	0.00
8,000.0	56.55	179.81	7,870.4	-590.0	-270.9	597.7	8.00	8.00	0.00
8,100.0	64.56	179.81	7,919.6	-677.1	-270.6	684.6	8.00	8.00	0.00
8,200.0	72.56	179.81	7,956.1	-770.1	-270.3	777.6	8.00	8.00	0.00
8,300.0	80.56	179.81	7,979.3	-867.2	-270.0	874.7	8.00	8.00	0.00
8,400.0	88.56	179.81	7,988.8	-966.7	-269.7	974.1	8.00	8.00	0.00
8,417.9	90.00	179.81	7,989.0	-984.6	-269.6	992.0	8.00	8.00	0.00
7"									
8,457.4	90.00	179.81	7,989.0	-1,024.1	-269.5	1,031.5	0.01	0.01	-0.01
8,500.0	90.00	179.81	7,989.0	-1,066.7	-269.4	1,074.1	0.00	0.00	0.00
8,600.0	90.00	179.81	7,989.0	-1,166.7	-269.0	1,174.0	0.00	0.00	0.00
8,700.0	90.00	179.81	7,989.0	-1,266.7	-268.7	1,274.0	0.00	0.00	0.00
8,800.0	90.00	179.81	7,989.0	-1,366.7	-268.4	1,373.9	0.00	0.00	0.00
8,900.0	90.00	179.81	7,989.0	-1,466.7	-268.0	1,473.9	0.00	0.00	0.00
9,000.0	90.00	179.81	7,989.0	-1,566.7	-267.7	1,573.8	0.00	0.00	0.00
9,100.0	90.00	179.81	7,989.0	-1,666.7	-267.4	1,673.8	0.00	0.00	0.00
9,200.0	90.00	179.81	7,989.0	-1,766.7	-267.0	1,773.7	0.00	0.00	0.00
9,300.0	90.00	179.81	7,989.0	-1,866.7	-266.7	1,873.7	0.00	0.00	0.00
9,400.0	90.00	179.81	7,989.0	-1,966.7	-266.3	1,973.6	0.00	0.00	0.00
9,500.0	90.00	179.81	7,989.0	-2,066.7	-266.0	2,073.6	0.00	0.00	0.00
9,600.0	90.00	179.81	7,989.0	-2,166.7	-265.7	2,173.5	0.00	0.00	0.00
9,700.0	90.00	179.81	7,989.0	-2,266.7	-265.3	2,273.5	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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)
9,800.0	90.00	179.81	7,989.0	-2,366.7	-265.0	2,373.4	0.00	0.00	0.00
9,900.0	90.00	179.81	7,989.0	-2,466.7	-264.7	2,473.4	0.00	0.00	0.00
10,000.0	90.00	179.81	7,989.0	-2,566.7	-264.3	2,573.3	0.00	0.00	0.00
10,100.0	90.00	179.81	7,989.0	-2,666.7	-264.0	2,673.2	0.00	0.00	0.00
10,200.0	90.00	179.81	7,989.0	-2,766.7	-263.7	2,773.2	0.00	0.00	0.00
10,300.0	90.00	179.81	7,989.0	-2,866.7	-263.3	2,873.1	0.00	0.00	0.00
10,400.0	90.00	179.81	7,989.0	-2,966.7	-263.0	2,973.1	0.00	0.00	0.00
10,500.0	90.00	179.81	7,989.0	-3,066.7	-262.7	3,073.0	0.00	0.00	0.00
10,600.0	90.00	179.81	7,989.0	-3,166.7	-262.3	3,173.0	0.00	0.00	0.00
10,700.0	90.00	179.81	7,989.0	-3,266.7	-262.0	3,272.9	0.00	0.00	0.00
10,800.0	90.00	179.81	7,989.0	-3,366.7	-261.7	3,372.9	0.00	0.00	0.00
10,900.0	90.00	179.81	7,989.0	-3,466.7	-261.3	3,472.8	0.00	0.00	0.00
11,000.0	90.00	179.81	7,989.0	-3,566.7	-261.0	3,572.8	0.00	0.00	0.00
11,100.0	90.00	179.81	7,989.0	-3,666.7	-260.7	3,672.7	0.00	0.00	0.00
11,200.0	90.00	179.81	7,989.0	-3,766.7	-260.3	3,772.7	0.00	0.00	0.00
11,300.0	90.00	179.81	7,989.0	-3,866.7	-260.0	3,872.6	0.00	0.00	0.00
11,400.0	90.00	179.81	7,989.0	-3,966.7	-259.7	3,972.6	0.00	0.00	0.00
11,500.0	90.00	179.81	7,989.0	-4,066.7	-259.3	4,072.5	0.00	0.00	0.00
11,600.0	90.00	179.81	7,989.0	-4,166.7	-259.0	4,172.5	0.00	0.00	0.00
11,700.0	90.00	179.81	7,989.0	-4,266.7	-258.6	4,272.4	0.00	0.00	0.00
11,800.0	90.00	179.81	7,989.0	-4,366.7	-258.3	4,372.4	0.00	0.00	0.00
11,900.0	90.00	179.81	7,989.0	-4,466.7	-258.0	4,472.3	0.00	0.00	0.00
12,000.0	90.00	179.81	7,989.0	-4,566.7	-257.6	4,572.2	0.00	0.00	0.00
12,100.0	90.00	179.81	7,989.0	-4,666.7	-257.3	4,672.2	0.00	0.00	0.00
12,200.0	90.00	179.81	7,989.0	-4,766.7	-257.0	4,772.1	0.00	0.00	0.00
12,300.0	90.00	179.81	7,989.0	-4,866.7	-256.6	4,872.1	0.00	0.00	0.00
12,400.0	90.00	179.81	7,989.0	-4,966.7	-256.3	4,972.0	0.00	0.00	0.00
12,500.0	90.00	179.81	7,989.0	-5,066.7	-256.0	5,072.0	0.00	0.00	0.00
12,600.0	90.00	179.81	7,989.0	-5,166.7	-255.6	5,171.9	0.00	0.00	0.00
12,700.0	90.00	179.81	7,989.0	-5,266.7	-255.3	5,271.9	0.00	0.00	0.00
12,800.0	90.00	179.81	7,989.0	-5,366.7	-255.0	5,371.8	0.00	0.00	0.00
12,900.0	90.00	179.81	7,989.0	-5,466.7	-254.6	5,471.8	0.00	0.00	0.00
13,000.0	90.00	179.81	7,989.0	-5,566.7	-254.3	5,571.7	0.00	0.00	0.00
13,100.0	90.00	179.81	7,989.0	-5,666.7	-254.0	5,671.7	0.00	0.00	0.00
13,200.0	90.00	179.81	7,989.0	-5,766.7	-253.6	5,771.6	0.00	0.00	0.00
13,300.0	90.00	179.81	7,989.0	-5,866.7	-253.3	5,871.6	0.00	0.00	0.00
13,400.0	90.00	179.81	7,989.0	-5,966.7	-253.0	5,971.5	0.00	0.00	0.00
13,500.0	90.00	179.81	7,989.0	-6,066.7	-252.6	6,071.5	0.00	0.00	0.00
13,600.0	90.00	179.81	7,989.0	-6,166.7	-252.3	6,171.4	0.00	0.00	0.00
13,700.0	90.00	179.81	7,989.0	-6,266.7	-252.0	6,271.4	0.00	0.00	0.00
13,800.0	90.00	179.81	7,989.0	-6,366.7	-251.6	6,371.3	0.00	0.00	0.00
13,900.0	90.00	179.81	7,989.0	-6,466.7	-251.3	6,471.2	0.00	0.00	0.00
14,000.0	90.00	179.81	7,989.0	-6,566.7	-251.0	6,571.2	0.00	0.00	0.00
14,100.0	90.00	179.81	7,989.0	-6,666.7	-250.6	6,671.1	0.00	0.00	0.00
14,200.0	90.00	179.81	7,989.0	-6,766.7	-250.3	6,771.1	0.00	0.00	0.00
14,300.0	90.00	179.81	7,989.0	-6,866.7	-249.9	6,871.0	0.00	0.00	0.00
14,400.0	90.00	179.81	7,989.0	-6,966.7	-249.6	6,971.0	0.00	0.00	0.00
14,500.0	90.00	179.81	7,989.0	-7,066.7	-249.3	7,070.9	0.00	0.00	0.00
14,600.0	90.00	179.81	7,989.0	-7,166.7	-248.9	7,170.9	0.00	0.00	0.00
14,700.0	90.00	179.81	7,989.0	-7,266.7	-248.6	7,270.8	0.00	0.00	0.00
14,800.0	90.00	179.81	7,989.0	-7,366.7	-248.3	7,370.8	0.00	0.00	0.00
14,900.0	90.00	179.81	7,989.0	-7,466.7	-247.9	7,470.7	0.00	0.00	0.00
15,000.0	90.00	179.81	7,989.0	-7,566.7	-247.6	7,570.7	0.00	0.00	0.00
15,100.0	90.00	179.81	7,989.0	-7,666.7	-247.3	7,670.6	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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)	
15,200.0	90.00	179.81	7,989.0	-7,766.7	-246.9	7,770.6	0.00	0.00	0.00	
15,300.0	90.00	179.81	7,989.0	-7,866.7	-246.6	7,870.5	0.00	0.00	0.00	
15,400.0	90.00	179.81	7,989.0	-7,966.7	-246.3	7,970.5	0.00	0.00	0.00	
15,500.0	90.00	179.81	7,989.0	-8,066.7	-245.9	8,070.4	0.00	0.00	0.00	
15,600.0	90.00	179.81	7,989.0	-8,166.7	-245.6	8,170.4	0.00	0.00	0.00	
15,700.0	90.00	179.81	7,989.0	-8,266.7	-245.3	8,270.3	0.00	0.00	0.00	
15,800.0	90.00	179.81	7,989.0	-8,366.7	-244.9	8,370.3	0.00	0.00	0.00	
15,849.8	90.00	179.81	7,989.0	-8,416.4	-244.8	8,420.0	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										
BHL 2600'FNL, 2335'I - plan hits target center - Point	0.00	0.00	7,989.0	-8,416.4	-244.8	1,225,208.29	3,149,244.65	39.950349	-104.967660	
SHL 520'FSL, 2064'FI - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,233,625.76	3,149,438.79	39.973453	-104.966787	
LANDING PT. 465'FN - plan hits target center - Point	0.00	0.00	7,989.0	-984.7	-269.6	1,232,639.53	3,149,175.09	39.970750	-104.967749	

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name			Casing Diameter (")	Hole Diameter (")
8,417.9	7,989.0	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	
4,707.4	4,687.7	-256.7	-259.9	Start Drop -2.00	
7,293.3	7,273.0	-268.7	-272.0	KOP #2 - Start Build 8.00	
15,849.8	7,989.0	-8,416.5	-244.8	TD at 15849.8	

Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey I-14-23HC

Wellbore #1

Plan #2 (11-4-14)

Anticollision Report

06 November, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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 11/6/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	15,849.8	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 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	1,200.0	1,165.5	297.9	272.0	11.504	CC
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	1,300.0	1,265.5	299.5	271.4	10.664	ES
Ehler 34-11-1 (Exist.) - Wellbore #1 - Wellbore #1	7,400.0	7,344.8	666.3	504.1	4.107	SF
Green 32-14 (Exist.) - Wellbore #1 - Wellbore #1	9,994.4	7,965.5	269.4	58.8	1.279	Level 3, CC
Green 32-14 (Exist.) - Wellbore #1 - Wellbore #1	10,000.0	7,965.5	269.5	58.7	1.279	Level 3, ES, SF
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	1,200.0	1,167.5	602.9	576.9	23.246	CC
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	1,300.0	1,267.5	604.3	576.1	21.486	ES
Ivey 16-11 (Exist.) - Wellbore #1 - Wellbore #1	7,500.0	7,444.4	947.0	782.8	5.766	SF
North York Land Assoc 1-14 (Exist.) - Wellbore #1 - Well	12,597.5	7,975.5	358.5	99.3	1.383	Level 3, CC
North York Land Assoc 1-14 (Exist.) - Wellbore #1 - Well	12,600.0	7,975.5	358.5	99.2	1.383	Level 3, ES, SF
Wright 2-14 (Exist.) - Wellbore #1 - Wellbore #1	8,396.6	7,962.2	256.0	72.1	1.392	Level 3, CC
Wright 2-14 (Exist.) - Wellbore #1 - Wellbore #1	8,400.0	7,962.3	256.0	72.0	1.392	Level 3, ES, SF
Ivey Pad Sec.11-T1S-R68W						
Ivey I-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	1,000.0	1,000.0	15.0	10.8	3.522	CC, ES
Ivey I-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	15,849.8	15,629.2	297.1	90.8	1.440	Level 3, SF
Ivey J-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	1,200.0	1,200.0	14.9	9.8	2.889	CC, ES
Ivey J-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	15,849.8	15,612.5	297.0	92.5	1.453	Level 3, SF
Ivey K-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	1,200.0	1,200.0	30.0	24.8	5.798	CC, ES
Ivey K-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	15,849.8	15,710.7	519.1	208.6	1.672	SF
Ivey L-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	1,200.0	1,200.0	45.0	39.8	8.708	CC, ES
Ivey L-14-23HN - Wellbore #1 - Plan #2 (11-4-14)	15,849.8	15,719.8	839.9	520.6	2.631	SF
North Washington Pad SEC.23-T1S-R68W						
North Washington 2-23 (Exist.) - North Washington 2-23	13,972.8	8,366.6	373.7	248.0	2.972	CC, ES
North Washington 2-23 (Exist.) - North Washington 2-23	14,000.0	8,361.9	374.7	248.4	2.967	SF

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	Vertical Depth (ft)	Offset	Vertical Depth (ft)	Semi Major Axis	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.20	91.1	283.6	299.9				
100.0	100.0	65.5	65.5	0.1	1.3	72.20	91.1	283.6	297.9	296.5	1.42	209.406		
200.0	200.0	165.5	165.5	0.3	3.3	72.20	91.1	283.6	297.9	294.2	3.65	81.675		

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 I-14-23HC
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 I-14-23HC	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 (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	
300.0	300.0	265.5	265.5	0.6	5.3	72.20	91.1	283.6	297.9	292.0	5.87	50.731	
400.0	400.0	365.5	365.5	0.8	7.3	72.20	91.1	283.6	297.9	289.8	8.10	36.792	
500.0	500.0	465.5	465.5	1.0	9.3	72.20	91.1	283.6	297.9	287.6	10.32	28.861	
600.0	600.0	565.5	565.5	1.2	11.3	72.20	91.1	283.6	297.9	285.4	12.55	23.744	
700.0	700.0	665.5	665.5	1.5	13.3	72.20	91.1	283.6	297.9	283.1	14.77	20.167	
800.0	800.0	765.5	765.5	1.7	15.3	72.20	91.1	283.6	297.9	280.9	17.00	17.528	
900.0	900.0	865.5	865.5	1.9	17.3	72.20	91.1	283.6	297.9	278.7	19.22	15.499	
1,000.0	1,000.0	965.5	965.5	2.1	19.3	72.20	91.1	283.6	297.9	276.5	21.45	13.891	
1,100.0	1,100.0	1,065.5	1,065.5	2.4	21.3	72.20	91.1	283.6	297.9	274.2	23.67	12.585	
1,200.0	1,200.0	1,165.5	1,165.5	2.6	23.3	72.20	91.1	283.6	297.9	272.0	25.89	11.504 CC	
1,300.0	1,300.0	1,265.5	1,265.5	2.8	25.3	-153.29	91.1	283.6	299.5	271.4	28.08	10.664 ES	
1,400.0	1,399.8	1,365.3	1,365.3	3.0	27.3	-153.69	91.1	283.6	304.1	273.9	30.22	10.066	
1,500.0	1,499.5	1,465.0	1,465.0	3.2	29.3	-154.33	91.1	283.6	312.0	279.7	32.31	9.655	
1,600.0	1,598.9	1,564.4	1,564.4	3.4	31.3	-155.16	91.1	283.6	321.8	287.3	34.47	9.336	
1,700.0	1,698.3	1,663.8	1,663.8	3.6	33.3	-155.95	91.1	283.6	331.8	295.1	36.65	9.052	
1,800.0	1,797.7	1,763.2	1,763.2	3.9	35.3	-156.69	91.1	283.6	341.7	302.9	38.84	8.800	
1,900.0	1,897.1	1,862.6	1,862.6	4.1	37.3	-157.39	91.1	283.6	351.8	310.8	41.03	8.575	
2,000.0	1,996.5	1,962.0	1,962.0	4.4	39.2	-158.06	91.1	283.6	361.9	318.7	43.22	8.374	
2,100.0	2,095.9	2,061.4	2,061.4	4.6	41.2	-158.68	91.1	283.6	372.0	326.6	45.41	8.192	
2,200.0	2,195.3	2,160.8	2,160.8	4.9	43.2	-159.28	91.1	283.6	382.2	334.6	47.61	8.028	
2,300.0	2,294.7	2,260.2	2,260.2	5.2	45.2	-159.84	91.1	283.6	392.4	342.6	49.81	7.879	
2,400.0	2,394.1	2,359.6	2,359.6	5.4	47.2	-160.37	91.1	283.6	402.7	350.7	52.01	7.743	
2,500.0	2,493.5	2,459.0	2,459.0	5.7	49.2	-160.88	91.1	283.6	413.0	358.8	54.21	7.618	
2,600.0	2,592.9	2,558.4	2,558.4	6.0	51.2	-161.36	91.1	283.6	423.3	366.9	56.42	7.503	
2,700.0	2,692.3	2,657.8	2,657.8	6.3	53.2	-161.82	91.1	283.6	433.6	375.0	58.62	7.398	
2,800.0	2,791.7	2,757.2	2,757.2	6.6	55.1	-162.26	91.1	283.6	444.0	383.2	60.83	7.300	
2,900.0	2,891.1	2,856.6	2,856.6	6.9	57.1	-162.68	91.1	283.6	454.4	391.4	63.03	7.209	
3,000.0	2,990.5	2,956.0	2,956.0	7.2	59.1	-163.08	91.1	283.6	464.8	399.6	65.24	7.125	
3,100.0	3,089.9	3,055.4	3,055.4	7.5	61.1	-163.46	91.1	283.6	475.3	407.8	67.44	7.047	
3,200.0	3,189.3	3,154.8	3,154.8	7.8	63.1	-163.83	91.1	283.6	485.8	416.1	69.65	6.974	
3,300.0	3,288.7	3,254.2	3,254.2	8.0	65.1	-164.18	91.1	283.6	496.2	424.4	71.86	6.906	
3,400.0	3,388.1	3,353.6	3,353.6	8.3	67.1	-164.52	91.1	283.6	506.7	432.7	74.07	6.841	
3,500.0	3,487.5	3,453.0	3,453.0	8.6	69.1	-164.84	91.1	283.6	517.3	441.0	76.28	6.781	
3,600.0	3,586.9	3,552.4	3,552.4	8.9	71.0	-165.15	91.1	283.6	527.8	449.3	78.49	6.725	
3,700.0	3,686.3	3,651.8	3,651.8	9.2	73.0	-165.44	91.1	283.6	538.3	457.6	80.69	6.671	
3,800.0	3,785.8	3,751.3	3,751.3	9.5	75.0	-165.73	91.1	283.6	548.9	466.0	82.90	6.621	
3,900.0	3,885.2	3,850.7	3,850.7	9.8	77.0	-166.00	91.1	283.6	559.5	474.4	85.11	6.573	
4,000.0	3,984.6	3,950.1	3,950.1	10.1	79.0	-166.27	91.1	283.6	570.1	482.7	87.32	6.528	
4,100.0	4,084.0	4,049.5	4,049.5	10.4	81.0	-166.52	91.1	283.6	580.7	491.1	89.53	6.485	
4,200.0	4,183.4	4,148.9	4,148.9	10.7	83.0	-166.77	91.1	283.6	591.3	499.5	91.74	6.445	
4,300.0	4,282.8	4,248.3	4,248.3	11.0	85.0	-167.01	91.1	283.6	601.9	507.9	93.95	6.406	
4,400.0	4,382.2	4,347.7	4,347.7	11.4	87.0	-167.24	91.1	283.6	612.5	516.3	96.16	6.369	
4,500.0	4,481.6	4,447.1	4,447.1	11.7	88.9	-167.46	91.1	283.6	623.1	524.8	98.37	6.334	
4,600.0	4,581.0	4,546.5	4,546.5	12.0	90.9	-167.67	91.1	283.6	633.8	533.2	100.58	6.301	
4,700.0	4,680.4	4,645.9	4,645.9	12.3	92.9	-167.88	91.1	283.6	644.4	541.7	102.80	6.269	
4,800.0	4,779.9	4,745.4	4,745.4	12.5	94.9	-168.09	91.1	283.6	653.7	548.4	105.26	6.210	
4,900.0	4,879.8	4,845.3	4,845.3	12.7	96.9	-168.22	91.1	283.6	659.5	551.8	107.63	6.127	
5,000.0	4,979.7	4,945.2	4,945.2	12.9	98.9	-168.27	91.1	283.6	661.9	552.0	109.88	6.024	
5,100.0	5,079.7	5,045.2	5,045.2	13.1	100.9	57.08	91.1	283.6	661.9	549.9	112.07	5.906	
5,200.0	5,179.7	5,145.2	5,145.2	13.2	102.9	57.08	91.1	283.6	661.9	547.7	114.26	5.793	
5,300.0	5,279.7	5,245.2	5,245.2	13.4	104.9	57.08	91.1	283.6	661.9	545.5	116.45	5.684	
5,400.0	5,379.7	5,345.2	5,345.2	13.6	106.9	57.08	91.1	283.6	661.9	543.3	118.65	5.579	

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 I-14-23HC
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 I-14-23HC	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
5,500.0	5,479.7	5,445.2	5,445.2	13.7	108.9	57.08	91.1	283.6	661.9	541.1	120.84	5.478	
5,600.0	5,579.7	5,545.2	5,545.2	13.9	110.9	57.08	91.1	283.6	661.9	538.9	123.04	5.380	
5,700.0	5,679.7	5,645.2	5,645.2	14.1	112.9	57.08	91.1	283.6	661.9	536.7	125.23	5.286	
5,800.0	5,779.7	5,745.2	5,745.2	14.2	114.9	57.08	91.1	283.6	661.9	534.5	127.43	5.195	
5,900.0	5,879.7	5,845.2	5,845.2	14.4	116.9	57.08	91.1	283.6	661.9	532.3	129.63	5.107	
6,000.0	5,979.7	5,945.2	5,945.2	14.6	118.9	57.08	91.1	283.6	661.9	530.1	131.82	5.021	
6,100.0	6,079.7	6,045.2	6,045.2	14.8	120.9	57.08	91.1	283.6	661.9	527.9	134.02	4.939	
6,200.0	6,179.7	6,145.2	6,145.2	14.9	122.9	57.08	91.1	283.6	661.9	525.7	136.22	4.859	
6,300.0	6,279.7	6,245.2	6,245.2	15.1	124.9	57.08	91.1	283.6	661.9	523.5	138.42	4.782	
6,400.0	6,379.7	6,345.2	6,345.2	15.3	126.9	57.08	91.1	283.6	661.9	521.3	140.63	4.707	
6,500.0	6,479.7	6,445.2	6,445.2	15.5	128.9	57.08	91.1	283.6	661.9	519.1	142.83	4.635	
6,600.0	6,579.7	6,545.2	6,545.2	15.7	130.9	57.08	91.1	283.6	661.9	516.9	145.03	4.564	
6,700.0	6,679.7	6,645.2	6,645.2	15.9	132.9	57.08	91.1	283.6	661.9	514.7	147.24	4.496	
6,800.0	6,779.7	6,745.2	6,745.2	16.0	134.9	57.08	91.1	283.6	661.9	512.5	149.44	4.429	
6,900.0	6,879.7	6,845.2	6,845.2	16.2	136.9	57.08	91.1	283.6	661.9	510.3	151.64	4.365	
7,000.0	6,979.7	6,945.2	6,945.2	16.4	138.9	57.08	91.1	283.6	661.9	508.1	153.85	4.303	
7,100.0	7,079.7	7,045.2	7,045.2	16.6	140.9	57.08	91.1	283.6	661.9	505.9	156.06	4.242	
7,200.0	7,179.7	7,145.2	7,145.2	16.8	142.9	57.08	91.1	283.6	661.9	503.7	158.26	4.183	
7,264.3	7,244.0	7,209.5	7,209.5	16.9	144.2	-122.75	91.1	283.6	662.0	502.4	159.68	4.146	
7,300.0	7,279.7	7,245.2	7,245.2	17.0	144.9	-122.73	91.1	283.6	662.0	501.5	160.47	4.125	
7,400.0	7,379.3	7,344.8	7,344.8	17.2	146.9	-123.02	91.1	283.6	666.3	504.1	162.21	4.107 SF	
7,500.0	7,476.9	7,442.4	7,442.4	17.5	148.8	-123.71	91.1	283.6	678.4	515.5	162.96	4.163	
7,600.0	7,570.4	7,535.9	7,535.9	17.9	150.7	-124.62	91.1	283.6	699.0	536.4	162.60	4.299	
7,700.0	7,658.2	7,623.7	7,623.7	18.4	152.5	-125.45	91.1	283.6	728.9	567.7	161.15	4.523	
7,800.0	7,738.5	7,704.0	7,704.0	18.9	154.1	-125.87	91.1	283.6	768.6	609.7	158.97	4.835	
7,900.0	7,809.7	7,775.2	7,775.2	19.7	155.5	-125.50	91.1	283.6	818.5	661.7	156.88	5.218	
8,000.0	7,870.4	7,835.9	7,835.9	20.5	156.7	-123.92	91.1	283.6	878.3	722.1	156.26	5.621	
8,100.0	7,919.6	7,885.1	7,885.1	21.5	157.7	-120.59	91.1	283.6	947.2	788.5	158.78	5.966	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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 - Green 32-14 (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8710-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
9,100.0	7,989.0	7,965.5	7,965.5	35.9	159.3	-90.00	-2,560.2	5.0	934.1	739.2	194.90	4.793	
9,200.0	7,989.0	7,965.5	7,965.5	37.6	159.3	-90.00	-2,560.2	5.0	838.8	642.2	196.59	4.267	
9,300.0	7,989.0	7,965.5	7,965.5	39.3	159.3	-90.00	-2,560.2	5.0	744.8	546.5	198.31	3.756	
9,400.0	7,989.0	7,965.5	7,965.5	41.0	159.3	-90.00	-2,560.2	5.0	652.6	452.6	200.04	3.262	
9,500.0	7,989.0	7,965.5	7,965.5	42.8	159.3	-90.00	-2,560.2	5.0	563.0	361.2	201.79	2.790	
9,600.0	7,989.0	7,965.5	7,965.5	44.5	159.3	-90.00	-2,560.2	5.0	477.6	274.1	203.55	2.346	
9,700.0	7,989.0	7,965.5	7,965.5	46.3	159.3	-90.00	-2,560.2	5.0	399.1	193.7	205.33	1.944	
9,800.0	7,989.0	7,965.5	7,965.5	48.1	159.3	-90.00	-2,560.2	5.0	332.2	125.1	207.12	1.604	
9,900.0	7,989.0	7,965.5	7,965.5	49.8	159.3	-90.00	-2,560.2	5.0	285.5	76.6	208.91	1.366	Level 3
9,994.4	7,989.0	7,965.5	7,965.5	51.5	159.3	-90.00	-2,560.2	5.0	269.4	58.8	210.61	1.279	Level 3, CC
10,000.0	7,989.0	7,965.5	7,965.5	51.6	159.3	-90.00	-2,560.2	5.0	269.5	58.7	210.72	1.279	Level 3, ES, SF
10,100.0	7,989.0	7,965.5	7,965.5	53.4	159.3	-90.00	-2,560.2	5.0	289.4	76.8	212.53	1.362	Level 3
10,200.0	7,989.0	7,965.5	7,965.5	55.3	159.3	-90.00	-2,560.2	5.0	338.9	124.5	214.35	1.581	
10,300.0	7,989.0	7,965.5	7,965.5	57.1	159.3	-90.00	-2,560.2	5.0	407.4	191.2	216.17	1.885	
10,400.0	7,989.0	7,965.5	7,965.5	58.9	159.3	-90.00	-2,560.2	5.0	486.9	268.9	218.01	2.234	
10,500.0	7,989.0	7,965.5	7,965.5	60.7	159.3	-90.00	-2,560.2	5.0	572.9	353.1	219.84	2.606	
10,600.0	7,989.0	7,965.5	7,965.5	62.6	159.3	-90.00	-2,560.2	5.0	662.8	441.1	221.68	2.990	
10,700.0	7,989.0	7,965.5	7,965.5	64.4	159.3	-90.00	-2,560.2	5.0	755.3	531.8	223.53	3.379	
10,800.0	7,989.0	7,965.5	7,965.5	66.3	159.3	-90.00	-2,560.2	5.0	849.5	624.1	225.38	3.769	
10,900.0	7,989.0	7,965.5	7,965.5	68.1	159.3	-90.00	-2,560.2	5.0	944.8	717.6	227.23	4.158	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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	82.78	75.8	598.1	603.8					
100.0	100.0	67.5	67.5	0.1	1.4	82.78	75.8	598.1	602.9	601.4	1.46	412.202		
200.0	200.0	167.5	167.5	0.3	3.4	82.78	75.8	598.1	602.9	599.2	3.69	163.500		
300.0	300.0	267.5	267.5	0.6	5.4	82.78	75.8	598.1	602.9	597.0	5.91	101.974		
400.0	400.0	367.5	367.5	0.8	7.4	82.78	75.8	598.1	602.9	594.7	8.14	74.092		
500.0	500.0	467.5	467.5	1.0	9.4	82.78	75.8	598.1	602.9	592.5	10.36	58.184		
600.0	600.0	567.5	567.5	1.2	11.4	82.78	75.8	598.1	602.9	590.3	12.59	47.899		
700.0	700.0	667.5	667.5	1.5	13.4	82.78	75.8	598.1	602.9	588.1	14.81	40.704		
800.0	800.0	767.5	767.5	1.7	15.4	82.78	75.8	598.1	602.9	585.8	17.04	35.389		
900.0	900.0	867.5	867.5	1.9	17.4	82.78	75.8	598.1	602.9	583.6	19.26	31.301		
1,000.0	1,000.0	967.5	967.5	2.1	19.4	82.78	75.8	598.1	602.9	581.4	21.49	28.060		
1,100.0	1,100.0	1,067.5	1,067.5	2.4	21.4	82.78	75.8	598.1	602.9	579.2	23.71	25.427		
1,200.0	1,200.0	1,167.5	1,167.5	2.6	23.4	82.78	75.8	598.1	602.9	576.9	25.93	23.246 CC		
1,300.0	1,300.0	1,267.5	1,267.5	2.8	25.3	-142.65	75.8	598.1	604.3	576.1	28.12	21.486 ES		
1,400.0	1,399.8	1,367.3	1,367.3	3.0	27.3	-142.90	75.8	598.1	608.4	578.2	30.27	20.102		
1,500.0	1,499.5	1,467.0	1,467.0	3.2	29.3	-143.31	75.8	598.1	615.4	583.0	32.38	19.004		
1,600.0	1,598.9	1,566.4	1,566.4	3.4	31.3	-143.89	75.8	598.1	624.2	589.6	34.55	18.065		
1,700.0	1,698.3	1,665.8	1,665.8	3.6	33.3	-144.47	75.8	598.1	633.0	596.3	36.74	17.231		
1,800.0	1,797.7	1,765.2	1,765.2	3.9	35.3	-145.03	75.8	598.1	642.0	603.0	38.93	16.490		
1,900.0	1,897.1	1,864.6	1,864.6	4.1	37.3	-145.58	75.8	598.1	650.9	609.8	41.13	15.827		
2,000.0	1,996.5	1,964.0	1,964.0	4.4	39.3	-146.12	75.8	598.1	660.0	616.6	43.33	15.231		
2,100.0	2,095.9	2,063.4	2,063.4	4.6	41.3	-146.64	75.8	598.1	669.1	623.5	45.54	14.693		
2,200.0	2,195.3	2,162.8	2,162.8	4.9	43.3	-147.14	75.8	598.1	678.2	630.5	47.74	14.205		
2,300.0	2,294.7	2,262.2	2,262.2	5.2	45.2	-147.63	75.8	598.1	687.4	637.5	49.95	13.761		
2,400.0	2,394.1	2,361.6	2,361.6	5.4	47.2	-148.11	75.8	598.1	696.7	644.5	52.17	13.355		
2,500.0	2,493.5	2,461.0	2,461.0	5.7	49.2	-148.58	75.8	598.1	706.0	651.6	54.38	12.982		
2,600.0	2,592.9	2,560.4	2,560.4	6.0	51.2	-149.03	75.8	598.1	715.3	658.7	56.59	12.639		
2,700.0	2,692.3	2,659.8	2,659.8	6.3	53.2	-149.48	75.8	598.1	724.7	665.9	58.81	12.322		
2,800.0	2,791.7	2,759.2	2,759.2	6.6	55.2	-149.91	75.8	598.1	734.1	673.1	61.03	12.029		
2,900.0	2,891.1	2,858.6	2,858.6	6.9	57.2	-150.33	75.8	598.1	743.6	680.3	63.24	11.757		
3,000.0	2,990.5	2,958.0	2,958.0	7.2	59.2	-150.74	75.8	598.1	753.1	687.6	65.46	11.504		
3,100.0	3,089.9	3,057.4	3,057.4	7.5	61.1	-151.14	75.8	598.1	762.6	694.9	67.68	11.268		
3,200.0	3,189.3	3,156.8	3,156.8	7.8	63.1	-151.53	75.8	598.1	772.2	702.3	69.89	11.048		
3,300.0	3,288.7	3,256.2	3,256.2	8.0	65.1	-151.91	75.8	598.1	781.8	709.7	72.11	10.842		
3,400.0	3,388.1	3,355.6	3,355.6	8.3	67.1	-152.28	75.8	598.1	791.4	717.1	74.33	10.648		
3,500.0	3,487.5	3,455.0	3,455.0	8.6	69.1	-152.64	75.8	598.1	801.1	724.6	76.55	10.466		
3,600.0	3,586.9	3,554.4	3,554.4	8.9	71.1	-153.00	75.8	598.1	810.8	732.1	78.76	10.294		
3,700.0	3,686.3	3,653.8	3,653.8	9.2	73.1	-153.34	75.8	598.1	820.6	739.6	80.98	10.133		
3,800.0	3,785.8	3,753.3	3,753.3	9.5	75.1	-153.68	75.8	598.1	830.3	747.1	83.20	9.980		
3,900.0	3,885.2	3,852.7	3,852.7	9.8	77.1	-154.01	75.8	598.1	840.1	754.7	85.42	9.836		
4,000.0	3,984.6	3,952.1	3,952.1	10.1	79.0	-154.33	75.8	598.1	850.0	762.3	87.63	9.699		
4,100.0	4,084.0	4,051.5	4,051.5	10.4	81.0	-154.64	75.8	598.1	859.8	769.9	89.85	9.569		
4,200.0	4,183.4	4,150.9	4,150.9	10.7	83.0	-154.95	75.8	598.1	869.7	777.6	92.07	9.446		
4,300.0	4,282.8	4,250.3	4,250.3	11.0	85.0	-155.25	75.8	598.1	879.6	785.3	94.29	9.329		
4,400.0	4,382.2	4,349.7	4,349.7	11.4	87.0	-155.54	75.8	598.1	889.5	793.0	96.50	9.217		
4,500.0	4,481.6	4,449.1	4,449.1	11.7	89.0	-155.83	75.8	598.1	899.4	800.7	98.72	9.111		
4,600.0	4,581.0	4,548.5	4,548.5	12.0	91.0	-156.11	75.8	598.1	909.4	808.5	100.94	9.010		
4,700.0	4,680.4	4,647.9	4,647.9	12.3	93.0	-156.39	75.8	598.1	919.4	816.2	103.15	8.913		
4,800.0	4,779.9	4,747.4	4,747.4	12.5	94.9	-156.68	75.8	598.1	928.0	822.4	105.59	8.789		
4,900.0	4,879.8	4,847.3	4,847.3	12.7	96.9	-156.87	75.8	598.1	933.5	825.6	107.93	8.649		
5,000.0	4,979.7	4,947.2	4,947.2	12.9	98.9	-156.95	75.8	598.1	935.7	825.6	110.16	8.494		
5,100.0	5,079.7	5,047.2	5,047.2	13.1	100.9	68.40	75.8	598.1	935.8	823.4	112.36	8.329		

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 I-14-23HC
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 I-14-23HC	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	5,179.7	5,147.2	5,147.2	13.2	102.9	68.40	75.8	598.1	935.8	821.3	114.54	8.170	
5,300.0	5,279.7	5,247.2	5,247.2	13.4	104.9	68.40	75.8	598.1	935.8	819.1	116.73	8.017	
5,400.0	5,379.7	5,347.2	5,347.2	13.6	106.9	68.40	75.8	598.1	935.8	816.9	118.92	7.869	
5,500.0	5,479.7	5,447.2	5,447.2	13.7	108.9	68.40	75.8	598.1	935.8	814.7	121.11	7.727	
5,600.0	5,579.7	5,547.2	5,547.2	13.9	110.9	68.40	75.8	598.1	935.8	812.5	123.30	7.590	
5,700.0	5,679.7	5,647.2	5,647.2	14.1	112.9	68.40	75.8	598.1	935.8	810.3	125.49	7.457	
5,800.0	5,779.7	5,747.2	5,747.2	14.2	114.9	68.40	75.8	598.1	935.8	808.1	127.68	7.329	
5,900.0	5,879.7	5,847.2	5,847.2	14.4	116.9	68.40	75.8	598.1	935.8	805.9	129.88	7.205	
6,000.0	5,979.7	5,947.2	5,947.2	14.6	118.9	68.40	75.8	598.1	935.8	803.7	132.07	7.086	
6,100.0	6,079.7	6,047.2	6,047.2	14.8	120.9	68.40	75.8	598.1	935.8	801.5	134.27	6.970	
6,200.0	6,179.7	6,147.2	6,147.2	14.9	122.9	68.40	75.8	598.1	935.8	799.3	136.46	6.858	
6,300.0	6,279.7	6,247.2	6,247.2	15.1	124.9	68.40	75.8	598.1	935.8	797.1	138.66	6.749	
6,400.0	6,379.7	6,347.2	6,347.2	15.3	126.9	68.40	75.8	598.1	935.8	794.9	140.86	6.644	
6,500.0	6,479.7	6,447.2	6,447.2	15.5	128.9	68.40	75.8	598.1	935.8	792.7	143.06	6.541	
6,600.0	6,579.7	6,547.2	6,547.2	15.7	130.9	68.40	75.8	598.1	935.8	790.5	145.26	6.442	
6,700.0	6,679.7	6,647.2	6,647.2	15.9	132.9	68.40	75.8	598.1	935.8	788.3	147.46	6.346	
6,800.0	6,779.7	6,747.2	6,747.2	16.0	134.9	68.40	75.8	598.1	935.8	786.1	149.66	6.253	
6,900.0	6,879.7	6,847.2	6,847.2	16.2	136.9	68.40	75.8	598.1	935.8	783.9	151.86	6.162	
7,000.0	6,979.7	6,947.2	6,947.2	16.4	138.9	68.40	75.8	598.1	935.8	781.7	154.06	6.074	
7,100.0	7,079.7	7,047.2	7,047.2	16.6	140.9	68.40	75.8	598.1	935.8	779.5	156.27	5.989	
7,200.0	7,179.7	7,147.2	7,147.2	16.8	142.9	68.40	75.8	598.1	935.8	777.3	158.47	5.905	
7,264.3	7,244.0	7,211.5	7,211.5	16.9	144.2	-111.42	75.8	598.1	935.9	776.0	159.88	5.853	
7,300.0	7,279.7	7,247.2	7,247.2	17.0	144.9	-111.41	75.8	598.1	935.8	775.1	160.67	5.824	
7,400.0	7,379.3	7,346.8	7,346.8	17.2	146.9	-111.64	75.8	598.1	938.7	776.0	162.68	5.770	
7,500.0	7,476.9	7,444.4	7,444.4	17.5	148.9	-112.22	75.8	598.1	947.0	782.8	164.24	5.766 SF	
7,600.0	7,570.4	7,537.9	7,537.9	17.9	150.8	-112.99	75.8	598.1	961.3	796.0	165.26	5.817	
7,700.0	7,658.2	7,625.7	7,625.7	18.4	152.5	-113.72	75.8	598.1	982.4	816.7	165.73	5.928	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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: 8799-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
11,700.0	7,989.0	7,975.5	7,975.5	83.0	159.5	-90.00	-5,163.0	102.9	966.5	724.1	242.36	3.988	
11,800.0	7,989.0	7,975.5	7,975.5	84.9	159.5	-90.00	-5,163.0	102.9	874.4	630.2	244.24	3.580	
11,900.0	7,989.0	7,975.5	7,975.5	86.7	159.5	-90.00	-5,163.0	102.9	784.3	538.2	246.12	3.187	
12,000.0	7,989.0	7,975.5	7,975.5	88.6	159.5	-90.00	-5,163.0	102.9	696.8	448.8	248.00	2.810	
12,100.0	7,989.0	7,975.5	7,975.5	90.5	159.5	-90.00	-5,163.0	102.9	613.2	363.4	249.88	2.454	
12,200.0	7,989.0	7,975.5	7,975.5	92.4	159.5	-90.00	-5,163.0	102.9	535.3	283.6	251.76	2.126	
12,300.0	7,989.0	7,975.5	7,975.5	94.3	159.5	-90.00	-5,163.0	102.9	465.9	212.3	253.65	1.837	
12,400.0	7,989.0	7,975.5	7,975.5	96.1	159.5	-90.00	-5,163.0	102.9	409.3	153.8	255.53	1.602	
12,500.0	7,989.0	7,975.5	7,975.5	98.0	159.5	-90.00	-5,163.0	102.9	371.6	114.1	257.42	1.443	Level 3
12,597.5	7,989.0	7,975.5	7,975.5	99.9	159.5	-90.00	-5,163.0	102.9	358.5	99.3	259.26	1.383	Level 3, CC
12,600.0	7,989.0	7,975.5	7,975.5	99.9	159.5	-90.00	-5,163.0	102.9	358.5	99.2	259.30	1.383	Level 3, ES, SF
12,700.0	7,989.0	7,975.5	7,975.5	101.8	159.5	-90.00	-5,163.0	102.9	372.9	111.7	261.19	1.428	Level 3
12,800.0	7,989.0	7,975.5	7,975.5	103.7	159.5	-90.00	-5,163.0	102.9	411.8	148.7	263.08	1.565	
12,900.0	7,989.0	7,975.5	7,975.5	105.6	159.5	-90.00	-5,163.0	102.9	469.1	204.1	264.97	1.770	
13,000.0	7,989.0	7,975.5	7,975.5	107.5	159.5	-90.00	-5,163.0	102.9	539.0	272.1	266.86	2.020	
13,100.0	7,989.0	7,975.5	7,975.5	109.4	159.5	-90.00	-5,163.0	102.9	617.3	348.5	268.76	2.297	
13,200.0	7,989.0	7,975.5	7,975.5	111.3	159.5	-90.00	-5,163.0	102.9	701.1	430.4	270.65	2.590	
13,300.0	7,989.0	7,975.5	7,975.5	113.1	159.5	-90.00	-5,163.0	102.9	788.7	516.1	272.54	2.894	
13,400.0	7,989.0	7,975.5	7,975.5	115.0	159.5	-90.00	-5,163.0	102.9	878.9	604.5	274.44	3.203	
13,500.0	7,989.0	7,975.5	7,975.5	116.9	159.5	-90.00	-5,163.0	102.9	971.1	694.7	276.33	3.514	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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 - Wright 2-14 (Exist.) - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 8158-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	-179.18	-962.4	-13.7	962.9					
100.0	100.0	73.5	73.5	0.1	1.5	-179.18	-962.4	-13.7	962.5	961.0	1.58	608.208		
200.0	200.0	173.5	173.5	0.3	3.5	-179.18	-962.4	-13.7	962.5	958.7	3.81	252.811		
300.0	300.0	273.5	273.5	0.6	5.5	-179.18	-962.4	-13.7	962.5	956.5	6.03	159.569		
400.0	400.0	373.5	373.5	0.8	7.5	-179.18	-962.4	-13.7	962.5	954.3	8.26	116.574		
500.0	500.0	473.5	473.5	1.0	9.5	-179.18	-962.4	-13.7	962.5	952.1	10.48	91.831		
600.0	600.0	573.5	573.5	1.2	11.5	-179.18	-962.4	-13.7	962.5	949.8	12.71	75.752		
700.0	700.0	673.5	673.5	1.5	13.5	-179.18	-962.4	-13.7	962.5	947.6	14.93	64.465		
800.0	800.0	773.5	773.5	1.7	15.5	-179.18	-962.4	-13.7	962.5	945.4	17.16	56.105		
900.0	900.0	873.5	873.5	1.9	17.5	-179.18	-962.4	-13.7	962.5	943.2	19.38	49.665		
1,000.0	1,000.0	973.5	973.5	2.1	19.5	-179.18	-962.4	-13.7	962.5	940.9	21.61	44.551		
1,100.0	1,100.0	1,073.5	1,073.5	2.4	21.5	-179.18	-962.4	-13.7	962.5	938.7	23.83	40.392		
1,200.0	1,200.0	1,173.5	1,173.5	2.6	23.5	-179.18	-962.4	-13.7	962.5	936.5	26.05	36.943		
1,300.0	1,300.0	1,273.5	1,273.5	2.8	25.5	-44.62	-962.4	-13.7	961.3	933.0	28.25	34.032		
1,400.0	1,399.8	1,373.3	1,373.3	3.0	27.5	-44.89	-962.4	-13.7	957.6	927.2	30.40	31.499		
1,500.0	1,499.5	1,473.0	1,473.0	3.2	29.5	-45.35	-962.4	-13.7	951.4	918.9	32.54	29.240		
1,600.0	1,598.9	1,572.4	1,572.4	3.4	31.4	-45.83	-962.4	-13.7	943.8	909.1	34.72	27.182		
1,700.0	1,698.3	1,671.8	1,671.8	3.6	33.4	-46.31	-962.4	-13.7	936.2	899.3	36.92	25.356		
1,800.0	1,797.7	1,771.2	1,771.2	3.9	35.4	-46.80	-962.4	-13.7	928.7	889.6	39.13	23.732		
1,900.0	1,897.1	1,870.6	1,870.6	4.1	37.4	-47.29	-962.4	-13.7	921.2	879.9	41.35	22.280		
2,000.0	1,996.5	1,970.0	1,970.0	4.4	39.4	-47.79	-962.4	-13.7	913.8	870.3	43.57	20.974		
2,100.0	2,095.9	2,069.4	2,069.4	4.6	41.4	-48.30	-962.4	-13.7	906.5	860.7	45.80	19.793		
2,200.0	2,195.3	2,168.8	2,168.8	4.9	43.4	-48.81	-962.4	-13.7	899.3	851.3	48.03	18.722		
2,300.0	2,294.7	2,268.2	2,268.2	5.2	45.4	-49.34	-962.4	-13.7	892.1	841.9	50.27	17.746		
2,400.0	2,394.1	2,367.6	2,367.6	5.4	47.4	-49.87	-962.4	-13.7	885.0	832.5	52.52	16.853		
2,500.0	2,493.5	2,467.0	2,467.0	5.7	49.3	-50.41	-962.4	-13.7	878.0	823.3	54.76	16.034		
2,600.0	2,592.9	2,566.4	2,566.4	6.0	51.3	-50.97	-962.4	-13.7	871.1	814.1	57.01	15.279		
2,700.0	2,692.3	2,665.8	2,665.8	6.3	53.3	-51.52	-962.4	-13.7	864.3	805.0	59.27	14.583		
2,800.0	2,791.7	2,765.2	2,765.2	6.6	55.3	-52.09	-962.4	-13.7	857.5	796.0	61.52	13.938		
2,900.0	2,891.1	2,864.6	2,864.6	6.9	57.3	-52.67	-962.4	-13.7	850.8	787.0	63.78	13.339		
3,000.0	2,990.5	2,964.0	2,964.0	7.2	59.3	-53.26	-962.4	-13.7	844.2	778.2	66.05	12.782		
3,100.0	3,089.9	3,063.4	3,063.4	7.5	61.3	-53.85	-962.4	-13.7	837.7	769.4	68.31	12.263		
3,200.0	3,189.3	3,162.8	3,162.8	7.8	63.3	-54.46	-962.4	-13.7	831.3	760.7	70.58	11.778		
3,300.0	3,288.7	3,262.2	3,262.2	8.0	65.2	-55.07	-962.4	-13.7	825.0	752.1	72.85	11.324		
3,400.0	3,388.1	3,361.6	3,361.6	8.3	67.2	-55.69	-962.4	-13.7	818.8	743.7	75.13	10.899		
3,500.0	3,487.5	3,461.0	3,461.0	8.6	69.2	-56.32	-962.4	-13.7	812.7	735.3	77.40	10.499		
3,600.0	3,586.9	3,560.4	3,560.4	8.9	71.2	-56.97	-962.4	-13.7	806.6	727.0	79.68	10.124		
3,700.0	3,686.3	3,659.8	3,659.8	9.2	73.2	-57.62	-962.4	-13.7	800.7	718.8	81.96	9.770		
3,800.0	3,785.8	3,759.3	3,759.3	9.5	75.2	-58.28	-962.4	-13.7	794.9	710.7	84.24	9.436		
3,900.0	3,885.2	3,858.7	3,858.7	9.8	77.2	-58.95	-962.4	-13.7	789.2	702.7	86.53	9.121		
4,000.0	3,984.6	3,958.1	3,958.1	10.1	79.2	-59.63	-962.4	-13.7	783.6	694.8	88.82	8.823		
4,100.0	4,084.0	4,057.5	4,057.5	10.4	81.1	-60.32	-962.4	-13.7	778.1	687.0	91.11	8.541		
4,200.0	4,183.4	4,156.9	4,156.9	10.7	83.1	-61.02	-962.4	-13.7	772.8	679.4	93.40	8.274		
4,300.0	4,282.8	4,256.3	4,256.3	11.0	85.1	-61.72	-962.4	-13.7	767.5	671.8	95.69	8.021		
4,400.0	4,382.2	4,355.7	4,355.7	11.4	87.1	-62.44	-962.4	-13.7	762.4	664.4	97.99	7.781		
4,500.0	4,481.6	4,455.1	4,455.1	11.7	89.1	-63.17	-962.4	-13.7	757.4	657.1	100.29	7.552		
4,600.0	4,581.0	4,554.5	4,554.5	12.0	91.1	-63.91	-962.4	-13.7	752.5	649.9	102.58	7.336		
4,700.0	4,680.4	4,653.9	4,653.9	12.3	93.1	-64.65	-962.4	-13.7	747.8	642.9	104.89	7.129		
4,800.0	4,779.9	4,753.4	4,753.4	12.5	95.1	-65.24	-962.4	-13.7	743.8	636.6	107.20	6.938		
4,900.0	4,879.8	4,853.3	4,853.3	12.7	97.1	-65.61	-962.4	-13.7	741.3	631.9	109.43	6.774		
5,000.0	4,979.7	4,953.2	4,953.2	12.9	99.1	-65.76	-962.4	-13.7	740.3	628.7	111.62	6.632		
5,046.8	5,026.5	5,000.0	5,000.0	13.0	100.0	-65.78	-962.4	-13.7	740.2	627.5	112.64	6.571		

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 I-14-23HC
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 I-14-23HC	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 - Wright 2-14 (Exist.) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8158-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	
5,100.0	5,079.7	5,053.2	5,053.2	13.1	101.1	159.58	-962.4	-13.7	740.3	626.5	113.79	6.506	
5,200.0	5,179.7	5,153.2	5,153.2	13.2	103.1	159.58	-962.4	-13.7	740.3	624.3	115.96	6.384	
5,300.0	5,279.7	5,253.2	5,253.2	13.4	105.1	159.58	-962.4	-13.7	740.3	622.1	118.13	6.267	
5,400.0	5,379.7	5,353.2	5,353.2	13.6	107.1	159.58	-962.4	-13.7	740.3	620.0	120.30	6.153	
5,500.0	5,479.7	5,453.2	5,453.2	13.7	109.1	159.58	-962.4	-13.7	740.3	617.8	122.48	6.044	
5,600.0	5,579.7	5,553.2	5,553.2	13.9	111.1	159.58	-962.4	-13.7	740.3	615.6	124.65	5.939	
5,700.0	5,679.7	5,653.2	5,653.2	14.1	113.1	159.58	-962.4	-13.7	740.3	613.4	126.83	5.837	
5,800.0	5,779.7	5,753.2	5,753.2	14.2	115.1	159.58	-962.4	-13.7	740.3	611.2	129.01	5.738	
5,900.0	5,879.7	5,853.2	5,853.2	14.4	117.1	159.58	-962.4	-13.7	740.3	609.1	131.19	5.643	
6,000.0	5,979.7	5,953.2	5,953.2	14.6	119.1	159.58	-962.4	-13.7	740.3	606.9	133.37	5.550	
6,100.0	6,079.7	6,053.2	6,053.2	14.8	121.1	159.58	-962.4	-13.7	740.3	604.7	135.55	5.461	
6,200.0	6,179.7	6,153.2	6,153.2	14.9	123.1	159.58	-962.4	-13.7	740.3	602.5	137.74	5.374	
6,300.0	6,279.7	6,253.2	6,253.2	15.1	125.1	159.58	-962.4	-13.7	740.3	600.3	139.92	5.291	
6,400.0	6,379.7	6,353.2	6,353.2	15.3	127.1	159.58	-962.4	-13.7	740.3	598.1	142.11	5.209	
6,500.0	6,479.7	6,453.2	6,453.2	15.5	129.1	159.58	-962.4	-13.7	740.3	596.0	144.29	5.130	
6,600.0	6,579.7	6,553.2	6,553.2	15.7	131.1	159.58	-962.4	-13.7	740.3	593.8	146.48	5.054	
6,700.0	6,679.7	6,653.2	6,653.2	15.9	133.1	159.58	-962.4	-13.7	740.3	591.6	148.67	4.979	
6,800.0	6,779.7	6,753.2	6,753.2	16.0	135.1	159.58	-962.4	-13.7	740.3	589.4	150.86	4.907	
6,900.0	6,879.7	6,853.2	6,853.2	16.2	137.1	159.58	-962.4	-13.7	740.3	587.2	153.05	4.837	
7,000.0	6,979.7	6,953.2	6,953.2	16.4	139.1	159.58	-962.4	-13.7	740.3	585.0	155.24	4.768	
7,100.0	7,079.7	7,053.2	7,053.2	16.6	141.1	159.58	-962.4	-13.7	740.3	582.8	157.43	4.702	
7,200.0	7,179.7	7,153.2	7,153.2	16.8	143.1	159.58	-962.4	-13.7	740.3	580.6	159.63	4.637	
7,300.0	7,279.7	7,253.2	7,253.2	17.0	145.1	-20.23	-962.4	-13.7	740.2	578.4	161.82	4.574	
7,400.0	7,379.3	7,352.8	7,352.8	17.2	147.1	-20.65	-962.4	-13.7	732.8	570.3	162.51	4.509	
7,500.0	7,476.9	7,450.4	7,450.4	17.5	149.0	-21.88	-962.4	-13.7	712.5	552.0	160.56	4.438	
7,600.0	7,570.4	7,543.9	7,543.9	17.9	150.9	-24.07	-962.4	-13.7	679.9	523.6	156.31	4.350	
7,700.0	7,658.2	7,631.7	7,631.7	18.4	152.6	-27.55	-962.4	-13.7	636.0	485.3	150.68	4.220	
7,800.0	7,738.5	7,712.0	7,712.0	18.9	154.2	-32.80	-962.4	-13.7	582.0	436.3	145.68	3.995	
7,900.0	7,809.7	7,783.2	7,783.2	19.7	155.7	-40.51	-962.4	-13.7	519.9	375.1	144.81	3.590	
8,000.0	7,870.4	7,843.9	7,843.9	20.5	156.9	-51.21	-962.4	-13.7	452.6	300.8	151.77	2.982	
8,100.0	7,919.6	7,893.1	7,893.1	21.5	157.9	-64.34	-962.4	-13.7	384.0	218.8	165.14	2.325	
8,200.0	7,956.1	7,929.6	7,929.6	22.6	158.6	-77.25	-962.4	-13.7	320.7	143.9	176.79	1.814	
8,300.0	7,979.3	7,952.8	7,952.8	23.9	159.1	-86.48	-962.4	-13.7	273.4	91.3	182.08	1.502	
8,396.6	7,988.7	7,962.2	7,962.2	25.1	159.2	-90.00	-962.4	-13.7	256.0	72.1	183.92	1.392 Level 3, CC	
8,400.0	7,988.8	7,962.3	7,962.3	25.2	159.2	-90.02	-962.4	-13.7	256.0	72.0	183.97	1.392 Level 3, ES, SF	
8,500.0	7,989.0	7,962.5	7,962.5	26.5	159.3	-90.00	-962.4	-13.7	276.1	90.8	185.31	1.490 Level 3	
8,600.0	7,989.0	7,962.5	7,962.5	28.0	159.3	-90.00	-962.4	-13.7	327.0	140.2	186.80	1.750	
8,700.0	7,989.0	7,962.5	7,962.5	29.5	159.3	-90.00	-962.4	-13.7	397.0	208.6	188.33	2.108	
8,800.0	7,989.0	7,962.5	7,962.5	31.0	159.3	-90.00	-962.4	-13.7	477.8	287.9	189.91	2.516	
8,900.0	7,989.0	7,962.5	7,962.5	32.6	159.3	-90.00	-962.4	-13.7	564.8	373.2	191.52	2.949	
9,000.0	7,989.0	7,962.5	7,962.5	34.3	159.3	-90.00	-962.4	-13.7	655.5	462.3	193.16	3.393	
9,100.0	7,989.0	7,962.5	7,962.5	35.9	159.3	-90.00	-962.4	-13.7	748.5	553.7	194.84	3.842	
9,200.0	7,989.0	7,962.5	7,962.5	37.6	159.3	-90.00	-962.4	-13.7	843.2	646.7	196.53	4.290	
9,300.0	7,989.0	7,962.5	7,962.5	39.3	159.3	-90.00	-962.4	-13.7	939.0	740.7	198.25	4.736	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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 I-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	-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 CC, ES		
1,100.0	1,100.0	1,099.5	1,099.5	2.4	2.3	-153.33	-14.7	-7.4	16.5	11.8	4.70	3.503		
1,200.0	1,200.0	1,198.8	1,198.7	2.6	2.5	-145.52	-17.3	-11.9	21.0	15.9	5.11	4.106		
1,300.0	1,300.0	1,297.8	1,297.3	2.8	2.7	-3.71	-21.5	-19.3	27.3	21.8	5.51	4.960		
1,400.0	1,399.8	1,396.9	1,395.6	3.0	3.0	2.15	-27.4	-29.6	33.6	27.8	5.88	5.721		
1,500.0	1,499.5	1,496.7	1,494.6	3.2	3.2	6.93	-33.9	-40.7	37.7	31.4	6.26	6.020		
1,600.0	1,598.9	1,596.7	1,593.7	3.4	3.5	11.36	-40.3	-51.9	39.8	33.1	6.66	5.975		
1,700.0	1,698.3	1,696.6	1,692.8	3.6	3.8	15.32	-46.7	-63.1	42.1	35.0	7.08	5.949		
1,800.0	1,797.7	1,796.5	1,791.9	3.9	4.0	18.86	-53.1	-74.3	44.6	37.1	7.50	5.940		
1,900.0	1,897.1	1,896.5	1,891.0	4.1	4.3	22.02	-59.5	-85.4	47.2	39.3	7.95	5.941		
2,000.0	1,996.5	1,996.4	1,990.1	4.4	4.6	24.84	-65.9	-96.6	50.0	41.6	8.40	5.947		
2,100.0	2,095.9	2,096.3	2,089.2	4.6	4.9	27.35	-72.4	-107.8	52.8	44.0	8.87	5.956		
2,200.0	2,195.3	2,196.3	2,188.3	4.9	5.2	29.61	-78.8	-119.0	55.8	46.5	9.35	5.966		
2,300.0	2,294.7	2,296.2	2,287.4	5.2	5.6	31.63	-85.2	-130.1	58.8	49.0	9.85	5.976		
2,400.0	2,394.1	2,396.1	2,386.5	5.4	5.9	33.45	-91.6	-141.3	62.0	51.6	10.35	5.985		
2,500.0	2,493.5	2,496.1	2,485.6	5.7	6.2	35.10	-98.0	-152.5	65.1	54.2	10.86	5.994		
2,600.0	2,592.9	2,596.0	2,584.7	6.0	6.5	36.59	-104.4	-163.7	68.3	56.9	11.38	6.002		
2,700.0	2,692.3	2,695.9	2,683.8	6.3	6.8	37.95	-110.9	-174.8	71.6	59.7	11.91	6.008		
2,800.0	2,791.7	2,795.9	2,782.9	6.6	7.1	39.19	-117.3	-186.0	74.9	62.4	12.45	6.014		
2,900.0	2,891.1	2,895.8	2,882.0	6.9	7.5	40.33	-123.7	-197.2	78.2	65.2	12.99	6.020		
3,000.0	2,990.5	2,995.7	2,981.1	7.2	7.8	41.37	-130.1	-208.3	81.5	68.0	13.54	6.024		
3,100.0	3,089.9	3,095.7	3,080.2	7.5	8.1	42.33	-136.5	-219.5	84.9	70.8	14.09	6.028		
3,200.0	3,189.3	3,195.6	3,179.3	7.8	8.4	43.22	-142.9	-230.7	88.3	73.7	14.64	6.031		
3,300.0	3,288.7	3,295.5	3,278.4	8.0	8.8	44.04	-149.4	-241.9	91.7	76.5	15.20	6.034		
3,400.0	3,388.1	3,395.5	3,377.5	8.3	9.1	44.80	-155.8	-253.0	95.2	79.4	15.76	6.037		
3,500.0	3,487.5	3,495.4	3,476.6	8.6	9.4	45.51	-162.2	-264.2	98.6	82.3	16.33	6.039		
3,600.0	3,586.9	3,595.3	3,575.7	8.9	9.8	46.17	-168.6	-275.4	102.1	85.2	16.90	6.041		
3,700.0	3,686.3	3,695.3	3,674.8	9.2	10.1	46.78	-175.0	-286.6	105.5	88.1	17.47	6.043		
3,800.0	3,785.8	3,795.2	3,773.9	9.5	10.4	47.36	-181.4	-297.7	109.0	91.0	18.04	6.044		
3,900.0	3,885.2	3,895.1	3,873.0	9.8	10.7	47.90	-187.9	-308.9	112.5	93.9	18.61	6.046		
4,000.0	3,984.6	3,995.1	3,972.1	10.1	11.1	48.41	-194.3	-320.1	116.0	96.8	19.19	6.047		
4,100.0	4,084.0	4,095.0	4,071.2	10.4	11.4	48.89	-200.7	-331.3	119.6	99.8	19.77	6.048		
4,200.0	4,183.4	4,194.9	4,170.3	10.7	11.7	49.34	-207.1	-342.4	123.1	102.7	20.35	6.049		
4,300.0	4,282.8	4,294.9	4,269.4	11.0	12.1	49.77	-213.5	-353.6	126.6	105.7	20.93	6.049		
4,400.0	4,382.2	4,394.8	4,368.5	11.4	12.4	50.17	-219.9	-364.8	130.1	108.6	21.51	6.050		
4,500.0	4,481.6	4,494.7	4,467.6	11.7	12.7	50.55	-226.4	-375.9	133.7	111.6	22.10	6.051		
4,600.0	4,581.0	4,594.7	4,566.7	12.0	13.1	50.92	-232.8	-387.1	137.2	114.6	22.68	6.051		
4,700.0	4,680.4	4,694.6	4,665.8	12.3	13.4	51.26	-239.2	-398.3	140.8	117.5	23.27	6.052		
4,800.0	4,779.9	4,794.5	4,764.9	12.5	13.7	51.19	-245.6	-409.5	145.3	121.5	23.78	6.111		
4,900.0	4,879.8	4,894.2	4,863.8	12.7	14.1	50.14	-252.0	-420.6	152.0	127.8	24.14	6.295		
5,000.0	4,979.7	4,995.2	4,964.0	12.9	14.4	48.29	-258.4	-431.7	160.9	136.5	24.40	6.594		
5,100.0	5,079.7	5,099.8	5,068.0	13.1	14.6	-88.25	-263.6	-440.7	169.2	144.6	24.63	6.869		

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 I-14-23HC
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 I-14-23HC	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 I-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
5,200.0	5,179.7	5,205.0	5,173.1	13.2	14.8	-89.39	-266.8	-446.4	174.6	149.7	24.90	7.011	
5,300.0	5,279.7	5,310.6	5,278.6	13.4	15.0	-89.84	-268.2	-448.8	176.8	151.6	25.22	7.012	
5,400.0	5,379.7	5,411.8	5,379.7	13.6	15.1	-89.85	-268.2	-448.9	176.9	151.3	25.57	6.916	
5,500.0	5,479.7	5,511.8	5,479.7	13.7	15.3	-89.85	-268.2	-448.9	176.9	151.0	25.93	6.822	
5,600.0	5,579.7	5,611.8	5,579.7	13.9	15.5	-89.85	-268.2	-448.9	176.9	150.6	26.29	6.729	
5,700.0	5,679.7	5,711.8	5,679.7	14.1	15.6	-89.85	-268.2	-448.9	176.9	150.2	26.64	6.639	
5,800.0	5,779.7	5,811.8	5,779.7	14.2	15.8	-89.85	-268.2	-448.9	176.9	149.9	27.01	6.550	
5,900.0	5,879.7	5,911.8	5,879.7	14.4	15.9	-89.85	-268.2	-448.9	176.9	149.5	27.37	6.462	
6,000.0	5,979.7	6,011.8	5,979.7	14.6	16.1	-89.85	-268.2	-448.9	176.9	149.1	27.74	6.377	
6,100.0	6,079.7	6,111.8	6,079.7	14.8	16.3	-89.85	-268.2	-448.9	176.9	148.8	28.11	6.293	
6,200.0	6,179.7	6,211.8	6,179.7	14.9	16.4	-89.85	-268.2	-448.9	176.9	148.4	28.48	6.211	
6,300.0	6,279.7	6,311.8	6,279.7	15.1	16.6	-89.85	-268.2	-448.9	176.9	148.0	28.85	6.130	
6,400.0	6,379.7	6,411.8	6,379.7	15.3	16.8	-89.85	-268.2	-448.9	176.9	147.7	29.23	6.051	
6,500.0	6,479.7	6,511.8	6,479.7	15.5	16.9	-89.85	-268.2	-448.9	176.9	147.3	29.61	5.974	
6,600.0	6,579.7	6,611.8	6,579.7	15.7	17.1	-89.85	-268.2	-448.9	176.9	146.9	29.99	5.898	
6,700.0	6,679.7	6,711.8	6,679.7	15.9	17.3	-89.85	-268.2	-448.9	176.9	146.5	30.37	5.824	
6,800.0	6,779.7	6,811.8	6,779.7	16.0	17.4	-89.85	-268.2	-448.9	176.9	146.1	30.76	5.751	
6,900.0	6,879.7	6,911.8	6,879.7	16.2	17.6	-89.85	-268.2	-448.9	176.9	145.7	31.14	5.680	
7,000.0	6,979.7	7,011.8	6,979.7	16.4	17.8	-89.85	-268.2	-448.9	176.9	145.4	31.53	5.610	
7,100.0	7,079.7	7,111.8	7,079.7	16.6	18.0	-90.17	-269.2	-448.9	176.9	145.0	31.90	5.545	
7,107.6	7,087.3	7,119.4	7,087.3	16.6	18.0	-90.31	-269.7	-448.9	176.9	145.0	31.92	5.541	
7,200.0	7,179.7	7,210.3	7,177.5	16.8	18.2	-94.02	-281.1	-448.8	177.3	145.2	32.09	5.524	
7,300.0	7,279.7	7,304.0	7,268.0	17.0	18.5	78.63	-304.8	-448.7	180.7	148.6	32.10	5.631	
7,400.0	7,379.3	7,392.9	7,350.4	17.2	18.8	69.98	-338.0	-448.6	189.2	157.0	32.21	5.874	
7,500.0	7,476.9	7,479.0	7,425.7	17.5	19.1	62.50	-379.7	-448.4	201.0	168.5	32.42	6.199	
7,600.0	7,570.4	7,562.7	7,493.5	17.9	19.6	56.25	-428.6	-448.2	214.7	182.1	32.55	6.596	
7,700.0	7,658.2	7,644.4	7,553.9	18.4	20.1	51.17	-483.7	-447.9	229.1	196.6	32.49	7.051	
7,800.0	7,738.5	7,724.5	7,606.5	18.9	20.6	47.11	-544.1	-447.6	243.3	211.0	32.27	7.538	
7,900.0	7,809.7	7,800.0	7,649.6	19.7	21.3	44.01	-606.0	-447.4	256.4	224.4	31.98	8.018	
8,000.0	7,870.4	7,881.0	7,688.3	20.5	22.0	41.46	-677.1	-447.0	267.9	236.1	31.77	8.433	
8,100.0	7,919.6	7,957.8	7,717.4	21.5	22.8	39.63	-748.1	-446.7	277.4	245.6	31.81	8.720	
8,200.0	7,956.1	8,034.0	7,738.5	22.6	23.7	38.35	-821.3	-446.4	284.5	252.2	32.28	8.815	
8,300.0	7,979.3	8,109.8	7,751.7	23.9	24.6	37.55	-895.9	-446.0	289.2	255.9	33.31	8.681	
8,400.0	7,988.8	8,185.4	7,756.9	25.2	25.6	37.20	-971.3	-445.7	291.1	256.2	34.97	8.326	
8,500.0	7,989.0	8,281.2	7,756.8	26.5	26.8	37.15	-1,067.1	-445.3	291.3	254.6	36.71	7.933	
8,600.0	7,989.0	8,381.2	7,756.6	28.0	28.2	37.10	-1,167.1	-444.8	291.3	252.8	38.57	7.554	
8,700.0	7,989.0	8,481.2	7,756.4	29.5	29.6	37.05	-1,267.1	-444.3	291.4	250.9	40.51	7.194	
8,800.0	7,989.0	8,581.2	7,756.2	31.0	31.2	37.01	-1,367.1	-443.8	291.5	249.0	42.51	6.857	
8,900.0	7,989.0	8,681.2	7,756.0	32.6	32.7	36.96	-1,467.1	-443.3	291.6	247.0	44.56	6.543	
9,000.0	7,989.0	8,781.2	7,755.8	34.3	34.3	36.91	-1,567.1	-442.8	291.6	245.0	46.67	6.249	
9,100.0	7,989.0	8,881.2	7,755.6	35.9	36.0	36.87	-1,667.1	-442.4	291.7	242.9	48.81	5.977	
9,200.0	7,989.0	8,981.2	7,755.4	37.6	37.6	36.82	-1,767.1	-441.9	291.8	240.8	50.98	5.723	
9,300.0	7,989.0	9,081.2	7,755.2	39.3	39.3	36.77	-1,867.1	-441.4	291.9	238.7	53.19	5.487	
9,400.0	7,989.0	9,181.2	7,755.0	41.0	41.0	36.73	-1,967.1	-440.9	291.9	236.5	55.42	5.268	
9,500.0	7,989.0	9,281.2	7,754.8	42.8	42.7	36.68	-2,067.1	-440.4	292.0	234.3	57.67	5.063	
9,600.0	7,989.0	9,381.2	7,754.6	44.5	44.5	36.63	-2,167.1	-440.0	292.1	232.1	59.94	4.873	
9,700.0	7,989.0	9,481.2	7,754.4	46.3	46.2	36.59	-2,267.1	-439.5	292.2	229.9	62.23	4.695	
9,800.0	7,989.0	9,581.2	7,754.2	48.1	48.0	36.54	-2,367.1	-439.0	292.2	227.7	64.53	4.528	
9,900.0	7,989.0	9,681.2	7,754.0	49.8	49.7	36.49	-2,467.1	-438.5	292.3	225.5	66.85	4.373	
10,000.0	7,989.0	9,781.2	7,753.8	51.6	51.5	36.45	-2,567.1	-438.0	292.4	223.2	69.17	4.227	
10,100.0	7,989.0	9,881.2	7,753.6	53.4	53.3	36.40	-2,667.1	-437.6	292.5	220.9	71.51	4.090	
10,200.0	7,989.0	9,981.2	7,753.4	55.3	55.1	36.35	-2,767.1	-437.1	292.5	218.7	73.85	3.961	

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 I-14-23HC
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 I-14-23HC	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 I-14-23HN - Wellbore #1 - Plan #2 (11-4-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWDD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,989.0	10,081.2	7,753.2	57.1	56.9	36.31	-2,867.1	-436.6	292.6	216.4	76.20	3.840	
10,400.0	7,989.0	10,181.2	7,753.0	58.9	58.7	36.26	-2,967.1	-436.1	292.7	214.1	78.55	3.726	
10,500.0	7,989.0	10,281.2	7,752.8	60.7	60.6	36.21	-3,067.1	-435.6	292.8	211.8	80.91	3.618	
10,600.0	7,989.0	10,381.2	7,752.6	62.6	62.4	36.17	-3,167.1	-435.1	292.8	209.6	83.28	3.516	
10,700.0	7,989.0	10,481.2	7,752.4	64.4	64.2	36.12	-3,267.0	-434.7	292.9	207.3	85.65	3.420	
10,800.0	7,989.0	10,581.2	7,752.2	66.3	66.1	36.07	-3,367.0	-434.2	293.0	205.0	88.02	3.329	
10,900.0	7,989.0	10,681.2	7,752.0	68.1	67.9	36.03	-3,467.0	-433.7	293.1	202.7	90.39	3.242	
11,000.0	7,989.0	10,781.2	7,751.8	70.0	69.8	35.98	-3,567.0	-433.2	293.1	200.4	92.76	3.160	
11,100.0	7,989.0	10,881.2	7,751.6	71.8	71.6	35.94	-3,667.0	-432.7	293.2	198.1	95.14	3.082	
11,200.0	7,989.0	10,981.2	7,751.4	73.7	73.5	35.89	-3,767.0	-432.3	293.3	195.8	97.52	3.008	
11,300.0	7,989.0	11,081.2	7,751.2	75.5	75.3	35.84	-3,867.0	-431.8	293.4	193.5	99.90	2.937	
11,400.0	7,989.0	11,181.2	7,751.0	77.4	77.2	35.80	-3,967.0	-431.3	293.5	191.2	102.28	2.869	
11,500.0	7,989.0	11,281.2	7,750.8	79.3	79.0	35.75	-4,067.0	-430.8	293.5	188.9	104.65	2.805	
11,600.0	7,989.0	11,381.2	7,750.6	81.1	80.9	35.70	-4,167.0	-430.3	293.6	186.6	107.03	2.743	
11,700.0	7,989.0	11,481.2	7,750.4	83.0	82.8	35.66	-4,267.0	-429.9	293.7	184.3	109.41	2.684	
11,800.0	7,989.0	11,581.2	7,750.2	84.9	84.6	35.61	-4,367.0	-429.4	293.8	182.0	111.79	2.628	
11,900.0	7,989.0	11,681.2	7,750.0	86.7	86.5	35.57	-4,467.0	-428.9	293.8	179.7	114.17	2.574	
12,000.0	7,989.0	11,781.2	7,749.8	88.6	88.4	35.52	-4,567.0	-428.4	293.9	177.4	116.54	2.522	
12,100.0	7,989.0	11,881.2	7,749.6	90.5	90.3	35.47	-4,667.0	-427.9	294.0	175.1	118.92	2.472	
12,200.0	7,989.0	11,981.2	7,749.4	92.4	92.1	35.43	-4,767.0	-427.4	294.1	172.8	121.29	2.425	
12,300.0	7,989.0	12,081.2	7,749.2	94.3	94.0	35.38	-4,867.0	-427.0	294.2	170.5	123.66	2.379	
12,400.0	7,989.0	12,181.2	7,749.0	96.1	95.9	35.34	-4,967.0	-426.5	294.2	168.2	126.03	2.335	
12,500.0	7,989.0	12,281.2	7,748.8	98.0	97.8	35.29	-5,067.0	-426.0	294.3	165.9	128.40	2.292	
12,600.0	7,989.0	12,381.2	7,748.6	99.9	99.7	35.24	-5,167.0	-425.5	294.4	163.6	130.77	2.251	
12,700.0	7,989.0	12,481.2	7,748.4	101.8	101.5	35.20	-5,267.0	-425.0	294.5	161.4	133.14	2.212	
12,800.0	7,989.0	12,581.2	7,748.2	103.7	103.4	35.15	-5,367.0	-424.6	294.6	159.1	135.50	2.174	
12,900.0	7,989.0	12,681.2	7,748.0	105.6	105.3	35.11	-5,467.0	-424.1	294.6	156.8	137.86	2.137	
13,000.0	7,989.0	12,781.2	7,747.7	107.5	107.2	35.06	-5,567.0	-423.6	294.7	154.5	140.22	2.102	
13,100.0	7,989.0	12,881.2	7,747.5	109.4	109.1	35.01	-5,667.0	-423.1	294.8	152.2	142.58	2.068	
13,200.0	7,989.0	12,981.2	7,747.3	111.3	111.0	34.97	-5,767.0	-422.6	294.9	150.0	144.93	2.035	
13,300.0	7,989.0	13,081.2	7,747.1	113.1	112.9	34.92	-5,867.0	-422.2	295.0	147.7	147.28	2.003	
13,400.0	7,989.0	13,181.2	7,746.9	115.0	114.8	34.88	-5,967.0	-421.7	295.1	145.4	149.63	1.972	
13,500.0	7,989.0	13,281.2	7,746.7	116.9	116.6	34.83	-6,067.0	-421.2	295.1	143.2	151.98	1.942	
13,600.0	7,989.0	13,381.2	7,746.5	118.8	118.5	34.79	-6,167.0	-420.7	295.2	140.9	154.32	1.913	
13,700.0	7,989.0	13,481.2	7,746.3	120.7	120.4	34.74	-6,267.0	-420.2	295.3	138.6	156.66	1.885	
13,800.0	7,989.0	13,581.2	7,746.1	122.6	122.3	34.69	-6,367.0	-419.7	295.4	136.4	159.00	1.858	
13,900.0	7,989.0	13,681.2	7,745.9	124.5	124.2	34.65	-6,467.0	-419.3	295.5	134.1	161.34	1.831	
14,000.0	7,989.0	13,781.2	7,745.7	126.4	126.1	34.60	-6,567.0	-418.8	295.5	131.9	163.67	1.806	
14,100.0	7,989.0	13,881.2	7,745.5	128.3	128.0	34.56	-6,667.0	-418.3	295.6	129.6	166.00	1.781	
14,200.0	7,989.0	13,981.2	7,745.3	130.2	129.9	34.51	-6,767.0	-417.8	295.7	127.4	168.33	1.757	
14,300.0	7,989.0	14,081.2	7,745.1	132.1	131.8	34.47	-6,867.0	-417.3	295.8	125.1	170.65	1.733	
14,400.0	7,989.0	14,181.2	7,744.9	134.0	133.7	34.42	-6,967.0	-416.9	295.9	122.9	172.98	1.711	
14,500.0	7,989.0	14,281.2	7,744.7	135.9	135.6	34.37	-7,067.0	-416.4	296.0	120.7	175.30	1.688	
14,600.0	7,989.0	14,381.2	7,744.5	137.8	137.5	34.33	-7,167.0	-415.9	296.0	118.4	177.61	1.667	
14,700.0	7,989.0	14,481.2	7,744.3	139.7	139.4	34.28	-7,267.0	-415.4	296.1	116.2	179.92	1.646	
14,800.0	7,989.0	14,581.2	7,744.1	141.6	141.3	34.24	-7,367.0	-414.9	296.2	114.0	182.23	1.625	
14,900.0	7,989.0	14,681.2	7,743.9	143.5	143.2	34.19	-7,467.0	-414.5	296.3	111.8	184.54	1.606	
15,000.0	7,989.0	14,781.2	7,743.7	145.4	145.1	34.15	-7,567.0	-414.0	296.4	109.5	186.85	1.586	
15,100.0	7,989.0	14,881.2	7,743.5	147.3	147.0	34.10	-7,667.0	-413.5	296.5	107.3	189.15	1.567	
15,200.0	7,989.0	14,981.2	7,743.3	149.2	148.9	34.06	-7,767.0	-413.0	296.6	105.1	191.44	1.549	
15,300.0	7,989.0	15,081.2	7,743.1	151.1	150.8	34.01	-7,867.0	-412.5	296.6	102.9	193.74	1.531	
15,400.0	7,989.0	15,181.2	7,742.9	153.0	152.7	33.97	-7,967.0	-412.1	296.7	100.7	196.03	1.514	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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 I-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	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)			
15,500.0	7,989.0	15,281.2	7,742.7	154.9	154.6	33.92	-8,067.0	-411.6	296.8	98.5	198.32	1.497	Level 3	
15,600.0	7,989.0	15,381.2	7,742.5	156.8	156.5	33.88	-8,167.0	-411.1	296.9	96.3	200.60	1.480	Level 3	
15,700.0	7,989.0	15,481.2	7,742.3	158.7	158.4	33.83	-8,267.0	-410.6	297.0	94.1	202.89	1.464	Level 3	
15,800.0	7,989.0	15,581.2	7,742.1	160.6	160.3	33.79	-8,367.0	-410.1	297.1	91.9	205.16	1.448	Level 3	
15,822.6	7,989.0	15,603.7	7,742.1	161.1	160.8	33.78	-8,389.5	-410.0	297.1	91.4	205.68	1.444	Level 3	
15,849.8	7,989.0	15,629.2	7,742.0	161.6	161.2	33.76	-8,415.0	-409.9	297.1	90.8	206.28	1.440	Level 3, SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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
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	66.446		
200.0	200.0	200.0	200.0	0.3	0.3	22.04	13.8	5.6	14.9	14.3	0.67	22.149		
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		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	22.04	13.8	5.6	14.9	10.2	4.72	3.164		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	22.04	13.8	5.6	14.9	9.8	5.17	2.889 CC, ES		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	159.07	13.8	5.6	16.6	11.0	5.59	2.959		
1,400.0	1,399.8	1,399.8	1,399.8	3.0	3.0	164.03	13.8	5.6	21.5	15.5	5.99	3.590		
1,500.0	1,499.5	1,499.5	1,499.5	3.2	3.3	168.58	13.8	5.6	30.0	23.6	6.39	4.691		
1,600.0	1,598.9	1,598.9	1,598.9	3.4	3.5	171.61	13.8	5.6	40.7	33.9	6.81	5.980		
1,700.0	1,698.3	1,698.3	1,698.3	3.6	3.7	173.38	13.8	5.6	51.5	44.3	7.23	7.127		
1,800.0	1,797.7	1,797.7	1,797.7	3.9	3.9	174.53	13.8	5.6	62.4	54.7	7.65	8.147		
1,900.0	1,897.1	1,899.4	1,899.4	4.1	4.1	175.81	12.2	5.0	71.6	63.6	8.06	8.888		
2,000.0	1,996.5	2,001.7	2,001.6	4.4	4.3	177.74	7.2	3.0	77.6	69.2	8.44	9.193		
2,100.0	2,095.9	2,104.1	2,103.5	4.6	4.5	-179.60	-1.1	-0.3	80.4	71.6	8.83	9.099		
2,200.0	2,195.3	2,204.0	2,202.9	4.9	4.7	-176.68	-10.8	-4.2	81.9	72.7	9.23	8.868		
2,300.0	2,294.7	2,303.9	2,302.2	5.2	4.9	-173.88	-20.5	-8.0	83.6	74.0	9.65	8.667		
2,400.0	2,394.1	2,403.8	2,401.6	5.4	5.1	-171.19	-30.1	-11.9	85.5	75.4	10.07	8.491		
2,500.0	2,493.5	2,503.7	2,501.0	5.7	5.3	-168.63	-39.8	-15.7	87.6	77.1	10.51	8.337		
2,600.0	2,592.9	2,603.6	2,600.3	6.0	5.6	-166.19	-49.4	-19.5	89.9	78.9	10.96	8.201		
2,700.0	2,692.3	2,703.5	2,699.7	6.3	5.8	-163.87	-59.1	-23.4	92.3	80.8	11.42	8.081		
2,800.0	2,791.7	2,803.4	2,799.0	6.6	6.0	-161.68	-68.7	-27.2	94.8	82.9	11.89	7.974		
2,900.0	2,891.1	2,903.3	2,898.4	6.9	6.3	-159.60	-78.4	-31.0	97.5	85.1	12.37	7.878		
3,000.0	2,990.5	3,003.2	2,997.8	7.2	6.5	-157.64	-88.1	-34.9	100.3	87.4	12.87	7.793		
3,100.0	3,089.9	3,103.1	3,097.1	7.5	6.8	-155.78	-97.7	-38.7	103.2	89.8	13.38	7.716		
3,200.0	3,189.3	3,203.0	3,196.5	7.8	7.1	-154.03	-107.4	-42.5	106.2	92.3	13.89	7.647		
3,300.0	3,288.7	3,302.9	3,295.9	8.0	7.3	-152.38	-117.0	-46.4	109.3	94.9	14.41	7.585		
3,400.0	3,388.1	3,402.8	3,395.2	8.3	7.6	-150.82	-126.7	-50.2	112.5	97.6	14.95	7.529		
3,500.0	3,487.5	3,502.7	3,494.6	8.6	7.9	-149.34	-136.4	-54.0	115.8	100.3	15.48	7.479		
3,600.0	3,586.9	3,602.6	3,593.9	8.9	8.1	-147.95	-146.0	-57.9	119.2	103.1	16.03	7.433		
3,700.0	3,686.3	3,702.5	3,693.3	9.2	8.4	-146.64	-155.7	-61.7	122.6	106.0	16.58	7.392		
3,800.0	3,785.8	3,802.4	3,792.7	9.5	8.7	-145.39	-165.3	-65.6	126.0	108.9	17.14	7.355		
3,900.0	3,885.2	3,902.3	3,892.0	9.8	9.0	-144.22	-175.0	-69.4	129.6	111.9	17.70	7.321		
4,000.0	3,984.6	4,002.3	3,991.4	10.1	9.2	-143.10	-184.6	-73.2	133.2	114.9	18.27	7.290		
4,100.0	4,084.0	4,102.2	4,090.7	10.4	9.5	-142.05	-194.3	-77.1	136.8	118.0	18.83	7.263		
4,200.0	4,183.4	4,202.1	4,190.1	10.7	9.8	-141.05	-204.0	-80.9	140.5	121.1	19.41	7.238		
4,300.0	4,282.8	4,302.0	4,289.5	11.0	10.1	-140.10	-213.6	-84.7	144.2	124.2	19.98	7.215		
4,400.0	4,382.2	4,401.9	4,388.8	11.4	10.4	-139.20	-223.3	-88.6	147.9	127.4	20.56	7.194		
4,500.0	4,481.6	4,501.8	4,488.2	11.7	10.7	-138.34	-232.9	-92.4	151.7	130.6	21.14	7.176		
4,600.0	4,581.0	4,601.7	4,587.6	12.0	10.9	-137.53	-242.6	-96.2	155.5	133.8	21.73	7.159		
4,700.0	4,680.4	4,701.6	4,686.9	12.3	11.2	-136.75	-252.2	-100.1	159.4	137.1	22.31	7.143		
4,800.0	4,779.9	4,800.0	4,784.9	12.5	11.5	-136.10	-260.6	-103.4	162.7	139.8	22.84	7.121		
4,900.0	4,879.8	4,897.5	4,882.3	12.7	11.7	-135.70	-265.9	-105.5	164.7	141.5	23.26	7.083		
5,000.0	4,979.7	4,995.4	4,980.2	12.9	11.9	-135.54	-268.1	-106.4	165.6	142.0	23.62	7.011		
5,100.0	5,079.7	5,095.0	5,079.7	13.1	12.0	89.81	-268.2	-106.4	165.6	141.6	23.99	6.903		

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 I-14-23HC
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 I-14-23HC	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
5,200.0	5,179.7	5,195.0	5,179.7	13.2	12.2	89.81	-268.2	-106.4	165.6	141.3	24.34	6.803	
5,300.0	5,279.7	5,295.0	5,279.7	13.4	12.4	89.81	-268.2	-106.4	165.6	140.9	24.70	6.705	
5,400.0	5,379.7	5,395.0	5,379.7	13.6	12.6	89.81	-268.2	-106.4	165.6	140.5	25.06	6.609	
5,500.0	5,479.7	5,495.0	5,479.7	13.7	12.8	89.81	-268.2	-106.4	165.6	140.2	25.42	6.514	
5,600.0	5,579.7	5,595.0	5,579.7	13.9	13.0	89.81	-268.2	-106.4	165.6	139.8	25.79	6.422	
5,700.0	5,679.7	5,695.0	5,679.7	14.1	13.1	89.81	-268.2	-106.4	165.6	139.5	26.15	6.332	
5,800.0	5,779.7	5,795.0	5,779.7	14.2	13.3	89.81	-268.2	-106.4	165.6	139.1	26.53	6.243	
5,900.0	5,879.7	5,895.0	5,879.7	14.4	13.5	89.81	-268.2	-106.4	165.6	138.7	26.90	6.157	
6,000.0	5,979.7	5,995.0	5,979.7	14.6	13.7	89.81	-268.2	-106.4	165.6	138.3	27.27	6.072	
6,100.0	6,079.7	6,095.0	6,079.7	14.8	13.9	89.81	-268.2	-106.4	165.6	138.0	27.65	5.989	
6,200.0	6,179.7	6,195.0	6,179.7	14.9	14.1	89.81	-268.2	-106.4	165.6	137.6	28.03	5.908	
6,300.0	6,279.7	6,295.0	6,279.7	15.1	14.3	89.81	-268.2	-106.4	165.6	137.2	28.41	5.829	
6,400.0	6,379.7	6,395.0	6,379.7	15.3	14.5	89.81	-268.2	-106.4	165.6	136.8	28.79	5.751	
6,500.0	6,479.7	6,495.0	6,479.7	15.5	14.7	89.81	-268.2	-106.4	165.6	136.4	29.18	5.675	
6,600.0	6,579.7	6,595.0	6,579.7	15.7	14.8	89.81	-268.2	-106.4	165.6	136.0	29.57	5.601	
6,700.0	6,679.7	6,695.0	6,679.7	15.9	15.0	89.81	-268.2	-106.4	165.6	135.7	29.96	5.528	
6,800.0	6,779.7	6,795.0	6,779.7	16.0	15.2	89.81	-268.2	-106.4	165.6	135.3	30.35	5.457	
6,900.0	6,879.7	6,895.0	6,879.7	16.2	15.4	89.81	-268.2	-106.4	165.6	134.9	30.74	5.388	
7,000.0	6,979.7	6,995.0	6,979.7	16.4	15.6	89.81	-268.2	-106.4	165.6	134.5	31.13	5.319	
7,065.0	7,044.8	7,060.0	7,044.8	16.5	15.8	89.81	-268.2	-106.4	165.6	134.2	31.39	5.276	
7,100.0	7,079.7	7,095.0	7,079.7	16.6	15.8	90.16	-269.2	-106.4	165.6	134.1	31.55	5.250	
7,200.0	7,179.7	7,193.4	7,177.2	16.8	16.1	94.29	-281.1	-106.4	166.1	134.0	32.16	5.166	
7,300.0	7,279.7	7,286.8	7,267.6	17.0	16.4	-77.50	-304.8	-106.3	170.0	137.1	32.93	5.162	
7,400.0	7,379.3	7,375.6	7,349.8	17.2	16.8	-68.40	-338.0	-106.2	179.2	145.5	33.71	5.315	
7,500.0	7,476.9	7,461.5	7,425.0	17.5	17.3	-60.63	-379.6	-106.1	191.8	157.4	34.32	5.587	
7,600.0	7,570.4	7,545.2	7,492.8	17.9	17.8	-54.24	-428.4	-106.0	206.3	171.6	34.65	5.952	
7,700.0	7,658.2	7,626.8	7,553.1	18.4	18.4	-49.12	-483.4	-105.8	221.3	186.7	34.67	6.384	
7,800.0	7,738.5	7,706.9	7,605.8	18.9	19.1	-45.08	-543.7	-105.7	236.0	201.6	34.39	6.862	
7,900.0	7,809.7	7,785.6	7,650.7	19.7	19.9	-41.93	-608.3	-105.5	249.5	215.6	33.90	7.361	
8,000.0	7,870.4	7,863.2	7,687.7	20.5	20.7	-39.52	-676.4	-105.3	261.3	228.0	33.29	7.847	
8,100.0	7,919.6	7,940.0	7,716.9	21.5	21.6	-37.75	-747.5	-105.2	270.9	238.2	32.71	8.282	
8,200.0	7,956.1	8,016.2	7,738.2	22.6	22.6	-36.51	-820.6	-105.0	278.2	245.9	32.29	8.614	
8,300.0	7,979.3	8,092.0	7,751.5	23.9	23.6	-35.75	-895.2	-104.8	282.8	250.6	32.17	8.791	
8,400.0	7,988.8	8,167.6	7,756.9	25.2	24.7	-35.44	-970.5	-104.6	284.7	252.2	32.46	8.770	
8,500.0	7,989.0	8,262.8	7,756.8	26.5	26.1	-35.41	-1,065.7	-104.3	284.9	251.0	33.91	8.401	
8,600.0	7,989.0	8,362.8	7,756.6	28.0	27.6	-35.39	-1,165.7	-103.9	285.0	249.3	35.69	7.987	
8,700.0	7,989.0	8,462.8	7,756.4	29.5	29.1	-35.37	-1,265.7	-103.6	285.2	247.6	37.55	7.595	
8,800.0	7,989.0	8,562.8	7,756.2	31.0	30.7	-35.34	-1,365.7	-103.3	285.4	245.9	39.49	7.227	
8,900.0	7,989.0	8,662.8	7,756.0	32.6	32.4	-35.32	-1,465.7	-103.0	285.5	244.0	41.48	6.884	
9,000.0	7,989.0	8,762.8	7,755.8	34.3	34.0	-35.30	-1,565.7	-102.6	285.7	242.2	43.52	6.564	
9,100.0	7,989.0	8,862.8	7,755.6	35.9	35.7	-35.27	-1,665.7	-102.3	285.8	240.2	45.61	6.267	
9,200.0	7,989.0	8,962.8	7,755.4	37.6	37.4	-35.25	-1,765.7	-102.0	286.0	238.3	47.74	5.991	
9,300.0	7,989.0	9,062.8	7,755.2	39.3	39.2	-35.22	-1,865.7	-101.6	286.2	236.3	49.90	5.735	
9,400.0	7,989.0	9,162.8	7,755.0	41.0	40.9	-35.20	-1,965.7	-101.3	286.3	234.3	52.08	5.498	
9,500.0	7,989.0	9,262.8	7,754.8	42.8	42.7	-35.18	-2,065.7	-101.0	286.5	232.2	54.30	5.276	
9,600.0	7,989.0	9,362.8	7,754.6	44.5	44.5	-35.15	-2,165.7	-100.6	286.7	230.1	56.53	5.071	
9,700.0	7,989.0	9,462.8	7,754.4	46.3	46.2	-35.13	-2,265.7	-100.3	286.8	228.0	58.78	4.879	
9,800.0	7,989.0	9,562.8	7,754.2	48.1	48.0	-35.10	-2,365.7	-100.0	287.0	225.9	61.05	4.701	
9,900.0	7,989.0	9,662.8	7,754.0	49.8	49.8	-35.08	-2,465.7	-99.6	287.2	223.8	63.34	4.534	
10,000.0	7,989.0	9,762.8	7,753.8	51.6	51.7	-35.06	-2,565.7	-99.3	287.3	221.7	65.64	4.377	
10,100.0	7,989.0	9,862.8	7,753.6	53.4	53.5	-35.03	-2,665.7	-99.0	287.5	219.5	67.94	4.231	
10,200.0	7,989.0	9,962.8	7,753.4	55.3	55.3	-35.01	-2,765.7	-98.6	287.6	217.4	70.26	4.094	

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 I-14-23HC
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 I-14-23HC	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		
10,300.0	7,989.0	10,062.8	7,753.2	57.1	57.1	-34.99	-2,865.7	-98.3	287.8	215.2	72.59	3.965		
10,400.0	7,989.0	10,162.8	7,753.0	58.9	59.0	-34.96	-2,965.7	-98.0	288.0	213.0	74.92	3.843		
10,500.0	7,989.0	10,262.8	7,752.8	60.7	60.8	-34.94	-3,065.7	-97.6	288.1	210.9	77.27	3.729		
10,600.0	7,989.0	10,362.8	7,752.6	62.6	62.7	-34.92	-3,165.7	-97.3	288.3	208.7	79.62	3.621		
10,700.0	7,989.0	10,462.8	7,752.4	64.4	64.5	-34.89	-3,265.7	-97.0	288.5	206.5	81.97	3.519		
10,800.0	7,989.0	10,562.8	7,752.2	66.3	66.4	-34.87	-3,365.7	-96.7	288.6	204.3	84.33	3.423		
10,900.0	7,989.0	10,662.8	7,752.0	68.1	68.2	-34.85	-3,465.7	-96.3	288.8	202.1	86.69	3.331		
11,000.0	7,989.0	10,762.8	7,751.8	70.0	70.1	-34.82	-3,565.7	-96.0	289.0	199.9	89.06	3.245		
11,100.0	7,989.0	10,862.8	7,751.6	71.8	72.0	-34.80	-3,665.7	-95.7	289.1	197.7	91.43	3.162		
11,200.0	7,989.0	10,962.8	7,751.4	73.7	73.8	-34.78	-3,765.7	-95.3	289.3	195.5	93.80	3.084		
11,300.0	7,989.0	11,062.8	7,751.2	75.5	75.7	-34.75	-3,865.7	-95.0	289.4	193.3	96.18	3.010		
11,400.0	7,989.0	11,162.8	7,751.0	77.4	77.6	-34.73	-3,965.7	-94.7	289.6	191.1	98.55	2.939		
11,500.0	7,989.0	11,262.8	7,750.8	79.3	79.4	-34.71	-4,065.7	-94.3	289.8	188.8	100.93	2.871		
11,600.0	7,989.0	11,362.8	7,750.6	81.1	81.3	-34.68	-4,165.7	-94.0	289.9	186.6	103.31	2.806		
11,700.0	7,989.0	11,462.8	7,750.4	83.0	83.2	-34.66	-4,265.7	-93.7	290.1	184.4	105.70	2.745		
11,800.0	7,989.0	11,562.8	7,750.2	84.9	85.1	-34.64	-4,365.7	-93.3	290.3	182.2	108.08	2.686		
11,900.0	7,989.0	11,662.8	7,750.0	86.7	86.9	-34.61	-4,465.7	-93.0	290.4	180.0	110.47	2.629		
12,000.0	7,989.0	11,762.8	7,749.8	88.6	88.8	-34.59	-4,565.7	-92.7	290.6	177.7	112.85	2.575		
12,100.0	7,989.0	11,862.8	7,749.6	90.5	90.7	-34.57	-4,665.7	-92.3	290.8	175.5	115.24	2.523		
12,200.0	7,989.0	11,962.8	7,749.4	92.4	92.6	-34.54	-4,765.7	-92.0	290.9	173.3	117.63	2.473		
12,300.0	7,989.0	12,062.8	7,749.2	94.3	94.5	-34.52	-4,865.7	-91.7	291.1	171.1	120.01	2.425		
12,400.0	7,989.0	12,162.8	7,749.0	96.1	96.4	-34.50	-4,965.7	-91.4	291.3	168.8	122.40	2.379		
12,500.0	7,989.0	12,262.8	7,748.8	98.0	98.3	-34.47	-5,065.7	-91.0	291.4	166.6	124.79	2.335		
12,600.0	7,989.0	12,362.8	7,748.6	99.9	100.1	-34.45	-5,165.7	-90.7	291.6	164.4	127.18	2.293		
12,700.0	7,989.0	12,462.8	7,748.4	101.8	102.0	-34.43	-5,265.7	-90.4	291.7	162.2	129.57	2.252		
12,800.0	7,989.0	12,562.8	7,748.2	103.7	103.9	-34.41	-5,365.7	-90.0	291.9	160.0	131.95	2.212		
12,900.0	7,989.0	12,662.8	7,748.0	105.6	105.8	-34.38	-5,465.7	-89.7	292.1	157.7	134.34	2.174		
13,000.0	7,989.0	12,762.8	7,747.8	107.5	107.7	-34.36	-5,565.6	-89.4	292.2	155.5	136.73	2.137		
13,100.0	7,989.0	12,862.8	7,747.6	109.4	109.6	-34.34	-5,665.6	-89.0	292.4	153.3	139.12	2.102		
13,200.0	7,989.0	12,962.8	7,747.4	111.3	111.5	-34.31	-5,765.6	-88.7	292.6	151.1	141.50	2.068		
13,300.0	7,989.0	13,062.8	7,747.2	113.1	113.4	-34.29	-5,865.6	-88.4	292.7	148.8	143.89	2.034		
13,400.0	7,989.0	13,162.8	7,746.9	115.0	115.3	-34.27	-5,965.6	-88.0	292.9	146.6	146.27	2.002		
13,500.0	7,989.0	13,262.8	7,746.7	116.9	117.2	-34.25	-6,065.6	-87.7	293.1	144.4	148.66	1.971		
13,600.0	7,989.0	13,362.8	7,746.5	118.8	119.1	-34.22	-6,165.6	-87.4	293.2	142.2	151.04	1.941		
13,700.0	7,989.0	13,462.8	7,746.3	120.7	121.0	-34.20	-6,265.6	-87.0	293.4	140.0	153.43	1.912		
13,800.0	7,989.0	13,562.8	7,746.1	122.6	122.9	-34.18	-6,365.6	-86.7	293.6	137.8	155.81	1.884		
13,900.0	7,989.0	13,662.8	7,745.9	124.5	124.8	-34.16	-6,465.6	-86.4	293.7	135.5	158.19	1.857		
14,000.0	7,989.0	13,762.8	7,745.7	126.4	126.7	-34.13	-6,565.6	-86.0	293.9	133.3	160.57	1.830		
14,100.0	7,989.0	13,862.8	7,745.5	128.3	128.6	-34.11	-6,665.6	-85.7	294.1	131.1	162.95	1.805		
14,200.0	7,989.0	13,962.8	7,745.3	130.2	130.5	-34.09	-6,765.6	-85.4	294.2	128.9	165.33	1.780		
14,300.0	7,989.0	14,062.8	7,745.1	132.1	132.4	-34.07	-6,865.6	-85.1	294.4	126.7	167.71	1.755		
14,400.0	7,989.0	14,162.8	7,744.9	134.0	134.3	-34.04	-6,965.6	-84.7	294.6	124.5	170.08	1.732		
14,500.0	7,989.0	14,262.8	7,744.7	135.9	136.2	-34.02	-7,065.6	-84.4	294.7	122.3	172.46	1.709		
14,600.0	7,989.0	14,362.8	7,744.5	137.8	138.1	-34.00	-7,165.6	-84.1	294.9	120.0	174.83	1.687		
14,700.0	7,989.0	14,462.8	7,744.3	139.7	140.0	-33.98	-7,265.6	-83.7	295.0	117.8	177.21	1.665		
14,800.0	7,989.0	14,562.8	7,744.1	141.6	141.9	-33.95	-7,365.6	-83.4	295.2	115.6	179.58	1.644		
14,900.0	7,989.0	14,662.8	7,743.9	143.5	143.8	-33.93	-7,465.6	-83.1	295.4	113.4	181.95	1.623		
15,000.0	7,989.0	14,762.8	7,743.7	145.4	145.7	-33.91	-7,565.6	-82.7	295.5	111.2	184.32	1.603		
15,100.0	7,989.0	14,862.8	7,743.5	147.3	147.6	-33.89	-7,665.6	-82.4	295.7	109.0	186.69	1.584		
15,200.0	7,989.0	14,962.8	7,743.3	149.2	149.5	-33.86	-7,765.6	-82.1	295.9	106.8	189.06	1.565		
15,300.0	7,989.0	15,062.8	7,743.1	151.1	151.4	-33.84	-7,865.6	-81.7	296.0	104.6	191.42	1.547		
15,400.0	7,989.0	15,162.8	7,742.9	153.0	153.3	-33.82	-7,965.6	-81.4	296.2	102.4	193.79	1.529		

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 I-14-23HC
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 I-14-23HC	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	
15,500.0	7,989.0	15,262.8	7,742.7	154.9	155.2	-33.80	-8,065.6	-81.1	296.4	100.2	196.15	1.511		
15,600.0	7,989.0	15,362.8	7,742.5	156.8	157.1	-33.78	-8,165.6	-80.7	296.5	98.0	198.51	1.494 Level 3		
15,700.0	7,989.0	15,462.8	7,742.3	158.7	159.0	-33.75	-8,265.6	-80.4	296.7	95.8	200.87	1.477 Level 3		
15,800.0	7,989.0	15,562.8	7,742.1	160.6	160.9	-33.73	-8,365.6	-80.1	296.9	93.6	203.23	1.461 Level 3		
15,849.8	7,989.0	15,612.5	7,742.0	161.6	161.9	-33.72	-8,415.4	-79.9	297.0	92.5	204.41	1.453 Level 3, SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	22.54	27.7	11.5	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	22.54	27.7	11.5	30.0	29.8	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		
900.0	900.0	900.0	900.0	1.9	1.9	22.54	27.7	11.5	30.0	26.2	3.82	7.845		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	22.54	27.7	11.5	30.0	25.7	4.27	7.019		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	22.54	27.7	11.5	30.0	25.3	4.72	6.351		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	22.54	27.7	11.5	30.0	24.8	5.17	5.798	CC, ES	
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	158.41	27.7	11.5	31.6	26.0	5.59	5.648		
1,400.0	1,399.8	1,399.8	1,399.8	3.0	3.0	161.40	27.7	11.5	36.5	30.5	6.00	6.090		
1,500.0	1,499.5	1,499.5	1,499.5	3.2	3.3	164.91	27.7	11.5	44.9	38.5	6.40	7.013		
1,600.0	1,598.9	1,598.9	1,598.9	3.4	3.5	167.83	27.7	11.5	55.4	48.6	6.81	8.138		
1,700.0	1,698.3	1,698.3	1,698.3	3.6	3.7	169.82	27.7	11.5	66.1	58.9	7.23	9.144		
1,800.0	1,797.7	1,797.7	1,797.7	3.9	3.9	171.26	27.7	11.5	76.9	69.2	7.66	10.040		
1,900.0	1,897.1	1,897.1	1,897.1	4.1	4.2	172.34	27.7	11.5	87.7	79.6	8.09	10.841		
2,000.0	1,996.5	1,996.5	1,996.5	4.4	4.4	173.18	27.7	11.5	98.5	90.0	8.52	11.560		
2,100.0	2,095.9	2,096.8	2,096.8	4.6	4.6	174.70	26.4	12.4	108.9	100.0	8.93	12.195		
2,200.0	2,195.3	2,197.1	2,196.9	4.9	4.8	177.61	22.2	15.4	118.6	109.3	9.32	12.730		
2,300.0	2,294.7	2,297.0	2,296.4	5.2	4.9	-178.40	15.2	20.4	128.1	118.4	9.72	13.181		
2,400.0	2,394.1	2,396.3	2,395.0	5.4	5.1	-173.56	5.4	27.4	137.9	127.8	10.14	13.600		
2,500.0	2,493.5	2,495.0	2,492.7	5.7	5.4	-168.70	-5.7	35.4	148.6	138.0	10.59	14.038		
2,600.0	2,592.9	2,593.6	2,590.5	6.0	5.6	-164.51	-16.9	43.3	160.3	149.2	11.05	14.497		
2,700.0	2,692.3	2,692.3	2,688.2	6.3	5.8	-160.90	-28.1	51.3	172.6	161.1	11.54	14.960		
2,800.0	2,791.7	2,791.0	2,785.9	6.6	6.1	-157.78	-39.2	59.3	185.6	173.5	12.04	15.417		
2,900.0	2,891.1	2,889.7	2,883.6	6.9	6.3	-155.07	-50.4	67.2	199.0	186.5	12.55	15.861		
3,000.0	2,990.5	2,988.4	2,981.3	7.2	6.6	-152.70	-61.6	75.2	212.8	199.8	13.07	16.288		
3,100.0	3,089.9	3,087.0	3,079.1	7.5	6.9	-150.63	-72.7	83.2	227.0	213.4	13.59	16.696		
3,200.0	3,189.3	3,185.7	3,176.8	7.8	7.1	-148.79	-83.9	91.1	241.4	227.2	14.13	17.084		
3,300.0	3,288.7	3,284.4	3,274.5	8.0	7.4	-147.17	-95.1	99.1	256.0	241.3	14.67	17.453		
3,400.0	3,388.1	3,383.1	3,372.2	8.3	7.7	-145.72	-106.2	107.1	270.7	255.5	15.21	17.802		
3,500.0	3,487.5	3,481.8	3,470.0	8.6	8.0	-144.42	-117.4	115.0	285.7	269.9	15.76	18.133		
3,600.0	3,586.9	3,580.4	3,567.7	8.9	8.3	-143.25	-128.5	123.0	300.8	284.5	16.31	18.445		
3,700.0	3,686.3	3,679.1	3,665.4	9.2	8.6	-142.19	-139.7	131.0	315.9	299.1	16.86	18.741		
3,800.0	3,785.8	3,777.8	3,763.1	9.5	8.9	-141.22	-150.9	138.9	331.2	313.8	17.41	19.021		
3,900.0	3,885.2	3,876.5	3,860.8	9.8	9.2	-140.35	-162.0	146.9	346.6	328.6	17.97	19.286		
4,000.0	3,984.6	3,975.1	3,958.6	10.1	9.5	-139.55	-173.2	154.9	362.0	343.5	18.53	19.536		
4,100.0	4,084.0	4,073.8	4,056.3	10.4	9.9	-138.81	-184.4	162.9	377.5	358.4	19.09	19.774		
4,200.0	4,183.4	4,172.5	4,154.0	10.7	10.2	-138.13	-195.5	170.8	393.1	373.4	19.65	19.999		
4,300.0	4,282.8	4,271.2	4,251.7	11.0	10.5	-137.50	-206.7	178.8	408.7	388.5	20.22	20.213		
4,400.0	4,382.2	4,369.9	4,349.5	11.4	10.8	-136.92	-217.9	186.8	424.3	403.5	20.78	20.416		
4,500.0	4,481.6	4,468.5	4,447.2	11.7	11.1	-136.38	-229.0	194.7	440.0	418.7	21.35	20.609		
4,600.0	4,581.0	4,567.2	4,544.9	12.0	11.5	-135.88	-240.2	202.7	455.7	433.8	21.92	20.792		
4,700.0	4,680.4	4,670.2	4,646.9	12.3	11.8	-135.43	-251.5	210.8	471.3	448.8	22.48	20.961		
4,800.0	4,779.9	4,780.0	4,756.1	12.5	12.1	-135.34	-260.8	217.4	484.0	461.0	23.01	21.036		
4,900.0	4,879.8	4,890.6	4,866.4	12.7	12.3	-135.30	-266.8	221.7	492.1	468.6	23.45	20.982		
5,000.0	4,979.7	5,001.6	4,977.5	12.9	12.5	-135.28	-269.2	223.4	495.4	471.5	23.84	20.776		
5,100.0	5,079.7	5,103.9	5,079.7	13.1	12.7	90.07	-269.3	223.5	495.5	471.3	24.21	20.465		

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 I-14-23HC
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 I-14-23HC	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						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,200.0	5,179.7	5,203.9	5,179.7	13.2	12.9	90.07	-269.3	223.5	495.5	470.9	24.57	20.169	
5,300.0	5,279.7	5,303.9	5,279.7	13.4	13.0	90.07	-269.3	223.5	495.5	470.6	24.93	19.879	
5,400.0	5,379.7	5,403.9	5,379.7	13.6	13.2	90.07	-269.3	223.5	495.5	470.2	25.29	19.595	
5,500.0	5,479.7	5,503.9	5,479.7	13.7	13.4	90.07	-269.3	223.5	495.5	469.8	25.65	19.316	
5,600.0	5,579.7	5,603.9	5,579.7	13.9	13.6	90.07	-269.3	223.5	495.5	469.5	26.02	19.044	
5,700.0	5,679.7	5,703.9	5,679.7	14.1	13.8	90.07	-269.3	223.5	495.5	469.1	26.39	18.778	
5,800.0	5,779.7	5,803.9	5,779.7	14.2	13.9	90.07	-269.3	223.5	495.5	468.7	26.76	18.517	
5,900.0	5,879.7	5,903.9	5,879.7	14.4	14.1	90.07	-269.3	223.5	495.5	468.4	27.13	18.261	
6,000.0	5,979.7	6,003.9	5,979.7	14.6	14.3	90.07	-269.3	223.5	495.5	468.0	27.51	18.011	
6,100.0	6,079.7	6,103.9	6,079.7	14.8	14.5	90.07	-269.3	223.5	495.5	467.6	27.89	17.767	
6,200.0	6,179.7	6,203.9	6,179.7	14.9	14.7	90.07	-269.3	223.5	495.5	467.2	28.27	17.528	
6,300.0	6,279.7	6,303.9	6,279.7	15.1	14.9	90.07	-269.3	223.5	495.5	466.8	28.65	17.293	
6,400.0	6,379.7	6,403.9	6,379.7	15.3	15.1	90.07	-269.3	223.5	495.5	466.5	29.04	17.064	
6,500.0	6,479.7	6,503.9	6,479.7	15.5	15.3	90.07	-269.3	223.5	495.5	466.1	29.42	16.840	
6,600.0	6,579.7	6,603.9	6,579.7	15.7	15.4	90.07	-269.3	223.5	495.5	465.7	29.81	16.621	
6,700.0	6,679.7	6,703.9	6,679.7	15.9	15.6	90.07	-269.3	223.5	495.5	465.3	30.20	16.406	
6,800.0	6,779.7	6,803.9	6,779.7	16.0	15.8	90.07	-269.3	223.5	495.5	464.9	30.59	16.196	
6,900.0	6,879.7	6,903.9	6,879.7	16.2	16.0	90.07	-269.3	223.5	495.5	464.5	30.99	15.991	
7,000.0	6,979.7	7,003.9	6,979.7	16.4	16.2	90.07	-269.3	223.5	495.5	464.1	31.38	15.790	
7,100.0	7,079.7	7,103.9	7,079.7	16.6	16.4	90.07	-269.3	223.5	495.5	463.7	31.78	15.593	
7,147.3	7,127.1	7,151.3	7,127.1	16.7	16.5	90.07	-269.3	223.5	495.5	463.5	31.96	15.501	
7,200.0	7,179.7	7,203.7	7,179.5	16.8	16.6	90.24	-270.8	223.5	495.5	463.3	32.18	15.397	
7,300.0	7,279.7	7,301.5	7,276.4	17.0	16.9	-88.07	-283.8	223.5	495.8	463.1	32.64	15.188	
7,400.0	7,379.3	7,396.3	7,367.7	17.2	17.2	-85.94	-308.8	223.6	496.8	463.5	33.21	14.957	
7,500.0	7,476.9	7,488.9	7,452.9	17.5	17.6	-83.91	-344.7	223.7	498.4	464.4	33.92	14.690	
7,600.0	7,570.4	7,579.6	7,531.3	17.9	18.1	-82.01	-390.3	223.9	500.4	465.7	34.78	14.388	
7,700.0	7,658.2	7,668.6	7,602.0	18.4	18.7	-80.27	-444.4	224.0	502.8	467.0	35.79	14.050	
7,800.0	7,738.5	7,756.3	7,664.5	18.9	19.3	-78.72	-505.8	224.2	505.3	468.4	36.96	13.673	
7,900.0	7,809.7	7,842.8	7,718.3	19.7	20.1	-77.37	-573.4	224.4	507.8	469.5	38.31	13.256	
8,000.0	7,870.4	7,928.3	7,763.1	20.5	21.0	-76.24	-646.1	224.6	510.1	470.3	39.85	12.800	
8,100.0	7,919.6	8,013.0	7,798.7	21.5	21.9	-75.34	-723.0	224.8	512.1	470.5	41.60	12.310	
8,200.0	7,956.1	8,100.0	7,825.4	22.6	23.0	-74.67	-805.7	225.1	513.6	470.0	43.59	11.783	
8,300.0	7,979.3	8,180.9	7,841.1	23.9	24.1	-74.27	-885.1	225.3	514.6	468.9	45.71	11.256	
8,400.0	7,988.8	8,264.5	7,847.8	25.2	25.2	-74.11	-968.3	225.6	514.9	466.9	48.06	10.715	
8,500.0	7,989.0	8,361.0	7,847.8	26.5	26.6	-74.09	-1,064.8	225.9	515.0	464.3	50.68	10.161	
8,600.0	7,989.0	8,461.0	7,847.6	28.0	28.1	-74.07	-1,164.8	226.2	515.0	461.5	53.56	9.616	
8,700.0	7,989.0	8,561.0	7,847.4	29.5	29.6	-74.04	-1,264.8	226.5	515.1	458.6	56.53	9.112	
8,800.0	7,989.0	8,661.0	7,847.2	31.0	31.2	-74.02	-1,364.8	226.9	515.1	455.6	59.58	8.646	
8,900.0	7,989.0	8,761.0	7,847.0	32.6	32.9	-74.00	-1,464.8	227.2	515.2	452.5	62.70	8.217	
9,000.0	7,989.0	8,861.0	7,846.8	34.3	34.5	-73.97	-1,564.8	227.5	515.2	449.4	65.88	7.821	
9,100.0	7,989.0	8,961.0	7,846.5	35.9	36.2	-73.95	-1,664.8	227.9	515.3	446.2	69.11	7.456	
9,200.0	7,989.0	9,061.0	7,846.3	37.6	37.9	-73.93	-1,764.8	228.2	515.4	443.0	72.39	7.119	
9,300.0	7,989.0	9,161.0	7,846.1	39.3	39.6	-73.90	-1,864.8	228.5	515.4	439.7	75.71	6.808	
9,400.0	7,989.0	9,261.0	7,845.9	41.0	41.3	-73.88	-1,964.8	228.8	515.5	436.4	79.05	6.520	
9,500.0	7,989.0	9,361.0	7,845.7	42.8	43.1	-73.86	-2,064.8	229.2	515.5	433.1	82.43	6.254	
9,600.0	7,989.0	9,461.0	7,845.5	44.5	44.8	-73.83	-2,164.8	229.5	515.6	429.7	85.83	6.007	
9,700.0	7,989.0	9,561.0	7,845.2	46.3	46.6	-73.81	-2,264.8	229.8	515.6	426.4	89.26	5.777	
9,800.0	7,989.0	9,661.0	7,845.0	48.1	48.4	-73.79	-2,364.8	230.2	515.7	423.0	92.70	5.563	
9,900.0	7,989.0	9,761.0	7,844.8	49.8	50.2	-73.77	-2,464.8	230.5	515.7	419.6	96.17	5.363	
10,000.0	7,989.0	9,861.0	7,844.6	51.6	52.0	-73.74	-2,564.8	230.8	515.8	416.1	99.65	5.176	
10,100.0	7,989.0	9,961.0	7,844.4	53.4	53.8	-73.72	-2,664.8	231.2	515.8	412.7	103.14	5.001	
10,200.0	7,989.0	10,061.0	7,844.2	55.3	55.6	-73.70	-2,764.8	231.5	515.9	409.3	106.65	4.838	

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 I-14-23HC
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 I-14-23HC	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-MWDD													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)			
10,300.0	7,989.0	10,160.9	7,844.0	57.1	57.5	-73.67	-2,864.8	231.8	516.0	405.8	110.16	4.684		
10,400.0	7,989.0	10,260.9	7,843.7	58.9	59.3	-73.65	-2,964.8	232.1	516.0	402.3	113.69	4.539		
10,500.0	7,989.0	10,360.9	7,843.5	60.7	61.1	-73.63	-3,064.8	232.5	516.1	398.8	117.23	4.402		
10,600.0	7,989.0	10,460.9	7,843.3	62.6	63.0	-73.60	-3,164.8	232.8	516.1	395.3	120.77	4.273		
10,700.0	7,989.0	10,560.9	7,843.1	64.4	64.8	-73.58	-3,264.8	233.1	516.2	391.8	124.33	4.152		
10,800.0	7,989.0	10,660.9	7,842.9	66.3	66.7	-73.56	-3,364.8	233.5	516.2	388.3	127.89	4.037		
10,900.0	7,989.0	10,760.9	7,842.7	68.1	68.5	-73.53	-3,464.8	233.8	516.3	384.8	131.45	3.928		
11,000.0	7,989.0	10,860.9	7,842.4	70.0	70.4	-73.51	-3,564.8	234.1	516.3	381.3	135.02	3.824		
11,100.0	7,989.0	10,960.9	7,842.2	71.8	72.2	-73.49	-3,664.7	234.4	516.4	377.8	138.60	3.726		
11,200.0	7,989.0	11,060.9	7,842.0	73.7	74.1	-73.47	-3,764.7	234.8	516.5	374.3	142.18	3.632		
11,300.0	7,989.0	11,160.9	7,841.8	75.5	76.0	-73.44	-3,864.7	235.1	516.5	370.7	145.77	3.543		
11,400.0	7,989.0	11,260.9	7,841.6	77.4	77.8	-73.42	-3,964.7	235.4	516.6	367.2	149.36	3.459		
11,500.0	7,989.0	11,360.9	7,841.4	79.3	79.7	-73.40	-4,064.7	235.8	516.6	363.7	152.95	3.378		
11,600.0	7,989.0	11,460.9	7,841.2	81.1	81.6	-73.37	-4,164.7	236.1	516.7	360.1	156.55	3.300		
11,700.0	7,989.0	11,560.9	7,840.9	83.0	83.5	-73.35	-4,264.7	236.4	516.7	356.6	160.15	3.227		
11,800.0	7,989.0	11,660.9	7,840.7	84.9	85.3	-73.33	-4,364.7	236.7	516.8	353.0	163.75	3.156		
11,900.0	7,989.0	11,760.9	7,840.5	86.7	87.2	-73.30	-4,464.7	237.1	516.8	349.5	167.36	3.088		
12,000.0	7,989.0	11,860.9	7,840.3	88.6	89.1	-73.28	-4,564.7	237.4	516.9	345.9	170.97	3.023		
12,100.0	7,989.0	11,960.9	7,840.1	90.5	91.0	-73.26	-4,664.7	237.7	517.0	342.4	174.58	2.961		
12,200.0	7,989.0	12,060.9	7,839.9	92.4	92.9	-73.23	-4,764.7	238.1	517.0	338.8	178.19	2.902		
12,300.0	7,989.0	12,160.9	7,839.7	94.3	94.7	-73.21	-4,864.7	238.4	517.1	335.3	181.80	2.844		
12,400.0	7,989.0	12,260.9	7,839.4	96.1	96.6	-73.19	-4,964.7	238.7	517.1	331.7	185.42	2.789		
12,500.0	7,989.0	12,360.9	7,839.2	98.0	98.5	-73.17	-5,064.7	239.0	517.2	328.2	189.03	2.736		
12,600.0	7,989.0	12,460.9	7,839.0	99.9	100.4	-73.14	-5,164.7	239.4	517.2	324.6	192.65	2.685		
12,700.0	7,989.0	12,560.9	7,838.8	101.8	102.3	-73.12	-5,264.7	239.7	517.3	321.0	196.27	2.636		
12,800.0	7,989.0	12,660.9	7,838.6	103.7	104.2	-73.10	-5,364.7	240.0	517.4	317.5	199.89	2.588		
12,900.0	7,989.0	12,760.9	7,838.4	105.6	106.1	-73.07	-5,464.7	240.4	517.4	313.9	203.51	2.542		
13,000.0	7,989.0	12,860.9	7,838.1	107.5	108.0	-73.05	-5,564.7	240.7	517.5	310.3	207.14	2.498		
13,100.0	7,989.0	12,960.9	7,837.9	109.4	109.9	-73.03	-5,664.7	241.0	517.5	306.8	210.76	2.456		
13,200.0	7,989.0	13,060.9	7,837.7	111.3	111.7	-73.00	-5,764.7	241.3	517.6	303.2	214.38	2.414		
13,300.0	7,989.0	13,160.9	7,837.5	113.1	113.6	-72.98	-5,864.7	241.7	517.6	299.6	218.01	2.374		
13,400.0	7,989.0	13,260.9	7,837.3	115.0	115.5	-72.96	-5,964.7	242.0	517.7	296.1	221.64	2.336		
13,500.0	7,989.0	13,360.9	7,837.1	116.9	117.4	-72.94	-6,064.7	242.3	517.8	292.5	225.26	2.298		
13,600.0	7,989.0	13,460.9	7,836.9	118.8	119.3	-72.91	-6,164.7	242.7	517.8	288.9	228.89	2.262		
13,700.0	7,989.0	13,560.9	7,836.6	120.7	121.2	-72.89	-6,264.7	243.0	517.9	285.4	232.52	2.227		
13,800.0	7,989.0	13,660.9	7,836.4	122.6	123.1	-72.87	-6,364.7	243.3	517.9	281.8	236.14	2.193		
13,900.0	7,989.0	13,760.9	7,836.2	124.5	125.0	-72.84	-6,464.7	243.7	518.0	278.2	239.77	2.160		
14,000.0	7,989.0	13,860.9	7,836.0	126.4	126.9	-72.82	-6,564.7	244.0	518.0	274.6	243.40	2.128		
14,100.0	7,989.0	13,960.9	7,835.8	128.3	128.8	-72.80	-6,664.7	244.3	518.1	271.1	247.03	2.097		
14,200.0	7,989.0	14,060.9	7,835.6	130.2	130.7	-72.78	-6,764.7	244.6	518.2	267.5	250.66	2.067		
14,300.0	7,989.0	14,160.9	7,835.3	132.1	132.6	-72.75	-6,864.7	245.0	518.2	263.9	254.28	2.038		
14,400.0	7,989.0	14,260.9	7,835.1	134.0	134.5	-72.73	-6,964.7	245.3	518.3	260.4	257.91	2.010		
14,500.0	7,989.0	14,360.9	7,834.9	135.9	136.4	-72.71	-7,064.7	245.6	518.3	256.8	261.54	1.982		
14,600.0	7,989.0	14,460.9	7,834.7	137.8	138.3	-72.68	-7,164.7	246.0	518.4	253.2	265.17	1.955		
14,700.0	7,989.0	14,560.9	7,834.5	139.7	140.2	-72.66	-7,264.7	246.3	518.5	249.7	268.80	1.929		
14,800.0	7,989.0	14,660.9	7,834.3	141.6	142.1	-72.64	-7,364.7	246.6	518.5	246.1	272.43	1.903		
14,900.0	7,989.0	14,760.9	7,834.1	143.5	144.0	-72.62	-7,464.7	246.9	518.6	242.5	276.06	1.878		
15,000.0	7,989.0	14,860.9	7,833.8	145.4	145.9	-72.59	-7,564.7	247.3	518.6	238.9	279.69	1.854		
15,100.0	7,989.0	14,960.9	7,833.6	147.3	147.8	-72.57	-7,664.7	247.6	518.7	235.4	283.31	1.831		
15,200.0	7,989.0	15,060.9	7,833.4	149.2	149.7	-72.55	-7,764.7	247.9	518.7	231.8	286.94	1.808		
15,300.0	7,989.0	15,160.9	7,833.2	151.1	151.6	-72.52	-7,864.7	248.3	518.8	228.2	290.57	1.785		
15,400.0	7,989.0	15,260.9	7,833.0	153.0	153.5	-72.50	-7,964.7	248.6	518.9	224.7	294.20	1.764		

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 I-14-23HC
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 I-14-23HC	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									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		
15,500.0	7,989.0	15,360.9	7,832.8	154.9	155.4	-72.48	-8,064.7	248.9	518.9	221.1	297.83	1.742		
15,600.0	7,989.0	15,460.9	7,832.6	156.8	157.3	-72.46	-8,164.7	249.2	519.0	217.5	301.45	1.722		
15,700.0	7,989.0	15,560.9	7,832.3	158.7	159.2	-72.43	-8,264.7	249.6	519.0	214.0	305.08	1.701		
15,800.0	7,989.0	15,660.9	7,832.1	160.6	161.2	-72.41	-8,364.7	249.9	519.1	210.4	308.71	1.682		
15,849.8	7,989.0	15,710.7	7,832.0	161.6	162.1	-72.40	-8,414.5	250.1	519.1	208.6	310.51	1.672 SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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 L-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	22.71	41.5	17.4	45.0					
100.0	100.0	100.0	100.0	0.1	0.1	22.71	41.5	17.4	45.0	44.8	0.22	200.286		
200.0	200.0	200.0	200.0	0.3	0.3	22.71	41.5	17.4	45.0	44.3	0.67	66.762		
300.0	300.0	300.0	300.0	0.6	0.6	22.71	41.5	17.4	45.0	43.9	1.12	40.057		
400.0	400.0	400.0	400.0	0.8	0.8	22.71	41.5	17.4	45.0	43.4	1.57	28.612		
500.0	500.0	500.0	500.0	1.0	1.0	22.71	41.5	17.4	45.0	43.0	2.02	22.254		
600.0	600.0	600.0	600.0	1.2	1.2	22.71	41.5	17.4	45.0	42.5	2.47	18.208		
700.0	700.0	700.0	700.0	1.5	1.5	22.71	41.5	17.4	45.0	42.1	2.92	15.407		
800.0	800.0	800.0	800.0	1.7	1.7	22.71	41.5	17.4	45.0	41.6	3.37	13.352		
900.0	900.0	900.0	900.0	1.9	1.9	22.71	41.5	17.4	45.0	41.2	3.82	11.782		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	22.71	41.5	17.4	45.0	40.7	4.27	10.541		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	22.71	41.5	17.4	45.0	40.3	4.72	9.537		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	22.71	41.5	17.4	45.0	39.8	5.17	8.708 CC, ES		
1,300.0	1,300.0	1,300.1	1,300.1	2.8	2.8	160.32	40.7	18.9	46.5	40.9	5.57	8.337		
1,400.0	1,399.8	1,399.8	1,399.6	3.0	3.0	168.07	38.0	23.4	51.5	45.5	5.94	8.665		
1,500.0	1,499.5	1,498.5	1,498.0	3.2	3.2	177.80	33.7	30.8	61.4	55.1	6.32	9.719		
1,600.0	1,598.9	1,596.9	1,595.7	3.4	3.4	-173.69	28.3	40.3	75.6	68.9	6.72	11.248		
1,700.0	1,698.3	1,695.3	1,693.6	3.6	3.6	-167.87	22.7	49.9	91.0	83.9	7.14	12.744		
1,800.0	1,797.7	1,793.8	1,791.4	3.9	3.9	-163.76	17.2	59.5	107.1	99.5	7.58	14.136		
1,900.0	1,897.1	1,892.2	1,889.2	4.1	4.1	-160.73	11.7	69.0	123.6	115.5	8.02	15.407		
2,000.0	1,996.5	1,990.7	1,987.0	4.4	4.4	-158.41	6.1	78.6	140.3	131.8	8.47	16.557		
2,100.0	2,095.9	2,089.1	2,084.9	4.6	4.7	-156.59	0.6	88.2	157.2	148.2	8.93	17.592		
2,200.0	2,195.3	2,187.6	2,182.7	4.9	4.9	-155.12	-5.0	97.7	174.2	164.8	9.40	18.525		
2,300.0	2,294.7	2,286.0	2,280.5	5.2	5.2	-153.91	-10.5	107.3	191.3	181.4	9.88	19.367		
2,400.0	2,394.1	2,384.5	2,378.4	5.4	5.5	-152.90	-16.0	116.9	208.5	198.1	10.36	20.127		
2,500.0	2,493.5	2,482.9	2,476.2	5.7	5.8	-152.05	-21.6	126.5	225.7	214.9	10.84	20.816		
2,600.0	2,592.9	2,581.4	2,574.0	6.0	6.0	-151.31	-27.1	136.0	243.0	231.7	11.33	21.441		
2,700.0	2,692.3	2,679.8	2,671.8	6.3	6.3	-150.68	-32.6	145.6	260.3	248.5	11.83	22.011		
2,800.0	2,791.7	2,778.3	2,769.7	6.6	6.6	-150.12	-38.2	155.2	277.7	265.3	12.32	22.531		
2,900.0	2,891.1	2,876.7	2,867.5	6.9	6.9	-149.63	-43.7	164.8	295.0	282.2	12.82	23.008		
3,000.0	2,990.5	2,975.2	2,965.3	7.2	7.2	-149.19	-49.3	174.3	312.4	299.1	13.32	23.446		
3,100.0	3,089.9	3,073.7	3,063.2	7.5	7.5	-148.80	-54.8	183.9	329.8	316.0	13.83	23.849		
3,200.0	3,189.3	3,172.1	3,161.0	7.8	7.8	-148.45	-60.3	193.5	347.2	332.9	14.33	24.222		
3,300.0	3,288.7	3,270.6	3,258.8	8.0	8.1	-148.13	-65.9	203.1	364.6	349.8	14.84	24.566		
3,400.0	3,388.1	3,369.0	3,356.6	8.3	8.4	-147.84	-71.4	212.6	382.1	366.7	15.35	24.886		
3,500.0	3,487.5	3,467.5	3,454.5	8.6	8.7	-147.58	-76.9	222.2	399.5	383.6	15.86	25.184		
3,600.0	3,586.9	3,565.9	3,552.3	8.9	9.0	-147.34	-82.5	231.8	416.9	400.6	16.38	25.461		
3,700.0	3,686.3	3,664.4	3,650.1	9.2	9.2	-147.12	-88.0	241.4	434.4	417.5	16.89	25.720		
3,800.0	3,785.8	3,762.8	3,748.0	9.5	9.5	-146.91	-93.5	250.9	451.8	434.4	17.40	25.963		
3,900.0	3,885.2	3,861.3	3,845.8	9.8	9.8	-146.72	-99.1	260.5	469.3	451.4	17.92	26.190		
4,000.0	3,984.6	3,959.7	3,943.6	10.1	10.1	-146.54	-104.6	270.1	486.8	468.3	18.44	26.403		
4,100.0	4,084.0	4,058.2	4,041.4	10.4	10.4	-146.38	-110.2	279.6	504.3	485.3	18.95	26.604		
4,200.0	4,183.4	4,156.6	4,139.3	10.7	10.7	-146.23	-115.7	289.2	521.7	502.3	19.47	26.793		
4,300.0	4,282.8	4,255.1	4,237.1	11.0	11.0	-146.08	-121.2	298.8	539.2	519.2	19.99	26.972		
4,400.0	4,382.2	4,353.5	4,334.9	11.4	11.3	-145.95	-126.8	308.4	556.7	536.2	20.51	27.141		
4,500.0	4,481.6	4,452.0	4,432.8	11.7	11.6	-145.82	-132.3	317.9	574.2	553.1	21.03	27.300		
4,600.0	4,581.0	4,550.4	4,530.6	12.0	11.9	-145.71	-137.8	327.5	591.7	570.1	21.55	27.452		
4,700.0	4,680.4	4,648.9	4,628.4	12.3	12.3	-145.59	-143.4	337.1	609.2	587.1	22.07	27.595		
4,800.0	4,779.9	4,747.5	4,726.4	12.5	12.6	-145.58	-148.9	346.7	625.4	602.8	22.61	27.666		
4,900.0	4,879.8	4,846.5	4,824.8	12.7	12.9	-145.38	-154.5	356.3	638.9	615.8	23.09	27.671		
5,000.0	4,979.7	4,945.8	4,923.4	12.9	13.2	-144.99	-160.1	366.0	649.5	626.0	23.54	27.589		
5,100.0	5,079.7	5,045.2	5,022.2	13.1	13.5	80.96	-165.7	375.6	658.3	634.3	23.99	27.439		

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 I-14-23HC
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 I-14-23HC	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 L-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
5,200.0	5,179.7	5,144.5	5,120.9	13.2	13.8	81.57	-171.3	385.3	667.1	642.6	24.43	27.304	
5,300.0	5,279.7	5,243.9	5,219.7	13.4	14.1	82.16	-176.8	394.9	675.9	651.0	24.87	27.177	
5,400.0	5,379.7	5,343.3	5,318.4	13.6	14.4	82.73	-182.4	404.6	684.8	659.5	25.31	27.057	
5,500.0	5,479.7	5,442.6	5,417.1	13.7	14.7	83.29	-188.0	414.3	693.8	668.1	25.75	26.944	
5,600.0	5,579.7	5,542.0	5,515.9	13.9	15.0	83.84	-193.6	423.9	702.9	676.7	26.19	26.837	
5,700.0	5,679.7	5,641.4	5,614.6	14.1	15.3	84.37	-199.2	433.6	712.0	685.4	26.63	26.736	
5,800.0	5,779.7	5,740.7	5,713.3	14.2	15.6	84.89	-204.8	443.3	721.2	694.1	27.07	26.641	
5,900.0	5,879.7	5,840.1	5,812.1	14.4	15.9	85.40	-210.4	452.9	730.4	702.9	27.51	26.551	
6,000.0	5,979.7	5,939.5	5,910.8	14.6	16.2	85.89	-216.0	462.6	739.7	711.7	27.95	26.466	
6,100.0	6,079.7	6,038.8	6,009.6	14.8	16.5	86.38	-221.5	472.2	749.0	720.6	28.39	26.386	
6,200.0	6,179.7	6,138.2	6,108.3	14.9	16.8	86.84	-227.1	481.9	758.4	729.6	28.83	26.310	
6,300.0	6,279.7	6,237.6	6,207.0	15.1	17.1	87.30	-232.7	491.6	767.9	738.6	29.27	26.238	
6,400.0	6,379.7	6,336.9	6,305.8	15.3	17.5	87.75	-238.3	501.2	777.4	747.7	29.71	26.169	
6,500.0	6,479.7	6,436.3	6,404.5	15.5	17.8	88.19	-243.9	510.9	786.9	756.7	30.14	26.104	
6,600.0	6,579.7	6,535.7	6,503.2	15.7	18.1	88.61	-249.5	520.6	796.5	765.9	30.58	26.042	
6,700.0	6,679.7	6,635.0	6,602.0	15.9	18.4	89.03	-255.1	530.2	806.1	775.1	31.02	25.984	
6,800.0	6,779.7	6,741.8	6,708.1	16.0	18.7	89.46	-261.0	540.5	815.7	784.2	31.47	25.918	
6,900.0	6,879.7	6,841.1	6,804.0	16.2	19.0	89.83	-266.2	549.5	822.5	790.6	31.92	25.768	
7,000.0	6,979.7	7,007.2	6,973.0	16.4	19.2	89.98	-268.4	553.3	825.3	793.0	32.34	25.521	
7,100.0	7,079.7	7,113.9	7,079.7	16.6	19.4	89.98	-268.5	553.4	825.4	792.7	32.73	25.221	
7,146.3	7,126.0	7,160.2	7,126.0	16.7	19.5	89.98	-268.5	553.4	825.4	792.5	32.90	25.089	
7,200.0	7,179.7	7,213.7	7,179.5	16.8	19.5	90.09	-270.1	553.4	825.4	792.3	33.11	24.928	
7,300.0	7,279.7	7,311.4	7,276.2	17.0	19.8	-88.81	-283.2	553.4	825.6	792.0	33.55	24.606	
7,400.0	7,379.3	7,406.1	7,367.4	17.2	20.1	-87.52	-308.3	553.5	826.2	792.1	34.08	24.241	
7,500.0	7,476.9	7,500.0	7,453.8	17.5	20.5	-86.27	-344.9	553.6	827.1	792.4	34.77	23.788	
7,600.0	7,570.4	7,589.3	7,530.8	17.9	20.9	-85.13	-389.9	553.7	828.4	792.8	35.62	23.259	
7,700.0	7,658.2	7,678.3	7,601.5	18.4	21.4	-84.07	-444.0	553.9	829.9	793.2	36.65	22.643	
7,800.0	7,738.5	7,765.9	7,663.9	18.9	22.0	-83.11	-505.3	554.1	831.4	793.5	37.88	21.946	
7,900.0	7,809.7	7,850.0	7,716.5	19.7	22.7	-82.30	-571.0	554.3	832.9	793.6	39.32	21.183	
8,000.0	7,870.4	7,937.7	7,762.6	20.5	23.5	-81.59	-645.5	554.5	834.3	793.3	41.04	20.331	
8,100.0	7,919.6	8,022.5	7,798.2	21.5	24.4	-81.04	-722.3	554.7	835.5	792.5	42.97	19.443	
8,200.0	7,956.1	8,106.6	7,824.4	22.6	25.4	-80.63	-802.3	555.0	836.4	791.2	45.13	18.533	
8,300.0	7,979.3	8,190.4	7,840.9	23.9	26.4	-80.39	-884.3	555.2	836.9	789.4	47.50	17.621	
8,400.0	7,988.8	8,274.0	7,847.8	25.2	27.5	-80.30	-967.6	555.5	837.1	787.1	50.03	16.733	
8,408.1	7,989.0	8,280.7	7,847.9	25.3	27.6	-80.30	-974.3	555.5	837.1	786.9	50.23	16.667	
8,500.0	7,989.0	8,370.0	7,847.8	26.5	28.8	-80.29	-1,063.6	555.8	837.1	784.4	52.72	15.878	
8,600.0	7,989.0	8,470.0	7,847.6	28.0	30.2	-80.28	-1,163.6	556.1	837.2	781.5	55.65	15.043	
8,700.0	7,989.0	8,570.0	7,847.4	29.5	31.6	-80.26	-1,263.6	556.4	837.2	778.5	58.68	14.268	
8,800.0	7,989.0	8,670.0	7,847.2	31.0	33.2	-80.25	-1,363.6	556.8	837.2	775.4	61.79	13.550	
8,900.0	7,989.0	8,770.0	7,847.0	32.6	34.7	-80.23	-1,463.6	557.1	837.3	772.3	64.97	12.887	
9,000.0	7,989.0	8,870.0	7,846.8	34.3	36.3	-80.22	-1,563.6	557.4	837.3	769.1	68.21	12.275	
9,100.0	7,989.0	8,970.0	7,846.5	35.9	37.9	-80.20	-1,663.6	557.8	837.3	765.8	71.51	11.710	
9,200.0	7,989.0	9,070.0	7,846.3	37.6	39.6	-80.19	-1,763.6	558.1	837.4	762.5	74.85	11.188	
9,300.0	7,989.0	9,170.0	7,846.1	39.3	41.2	-80.18	-1,863.6	558.5	837.4	759.2	78.23	10.705	
9,400.0	7,989.0	9,270.0	7,845.9	41.0	42.9	-80.16	-1,963.6	558.8	837.5	755.8	81.65	10.257	
9,500.0	7,989.0	9,370.0	7,845.7	42.8	44.6	-80.15	-2,063.6	559.1	837.5	752.4	85.09	9.842	
9,600.0	7,989.0	9,470.0	7,845.5	44.5	46.3	-80.13	-2,163.6	559.5	837.5	749.0	88.57	9.456	
9,700.0	7,989.0	9,570.0	7,845.3	46.3	48.1	-80.12	-2,263.6	559.8	837.6	745.5	92.06	9.098	
9,800.0	7,989.0	9,670.0	7,845.0	48.1	49.8	-80.10	-2,363.6	560.1	837.6	742.0	95.58	8.763	
9,900.0	7,989.0	9,770.0	7,844.8	49.8	51.6	-80.09	-2,463.6	560.5	837.6	738.5	99.12	8.451	
10,000.0	7,989.0	9,870.0	7,844.6	51.6	53.3	-80.07	-2,563.6	560.8	837.7	735.0	102.68	8.158	
10,100.0	7,989.0	9,970.0	7,844.4	53.4	55.1	-80.06	-2,663.6	561.1	837.7	731.5	106.25	7.884	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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 L-14-23HN - Wellbore #1 - Plan #2 (11-4-14)												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
10,200.0	7,989.0	10,070.0	7,844.2	55.3	56.9	-80.05	-2,763.6	561.5	837.7	727.9	109.83	7.627	
10,300.0	7,989.0	10,170.0	7,844.0	57.1	58.7	-80.03	-2,863.6	561.8	837.8	724.4	113.43	7.386	
10,400.0	7,989.0	10,270.0	7,843.7	58.9	60.5	-80.02	-2,963.6	562.1	837.8	720.8	117.04	7.159	
10,500.0	7,989.0	10,370.0	7,843.5	60.7	62.3	-80.00	-3,063.6	562.5	837.9	717.2	120.65	6.944	
10,600.0	7,989.0	10,470.0	7,843.3	62.6	64.2	-79.99	-3,163.6	562.8	837.9	713.6	124.28	6.742	
10,700.0	7,989.0	10,570.0	7,843.1	64.4	66.0	-79.97	-3,263.6	563.1	837.9	710.0	127.92	6.551	
10,800.0	7,989.0	10,670.0	7,842.9	66.3	67.8	-79.96	-3,363.6	563.5	838.0	706.4	131.56	6.369	
10,900.0	7,989.0	10,770.0	7,842.7	68.1	69.6	-79.94	-3,463.6	563.8	838.0	702.8	135.21	6.198	
11,000.0	7,989.0	10,870.0	7,842.5	70.0	71.5	-79.93	-3,563.6	564.1	838.0	699.2	138.87	6.035	
11,100.0	7,989.0	10,970.0	7,842.2	71.8	73.3	-79.91	-3,663.6	564.5	838.1	695.5	142.53	5.880	
11,200.0	7,989.0	11,070.0	7,842.0	73.7	75.2	-79.90	-3,763.6	564.8	838.1	691.9	146.20	5.733	
11,300.0	7,989.0	11,170.0	7,841.8	75.5	77.0	-79.89	-3,863.6	565.1	838.1	688.3	149.87	5.592	
11,400.0	7,989.0	11,270.0	7,841.6	77.4	78.9	-79.87	-3,963.6	565.5	838.2	684.6	153.55	5.459	
11,500.0	7,989.0	11,370.0	7,841.4	79.3	80.7	-79.86	-4,063.6	565.8	838.2	681.0	157.24	5.331	
11,600.0	7,989.0	11,470.0	7,841.2	81.1	82.6	-79.84	-4,163.6	566.1	838.3	677.3	160.92	5.209	
11,700.0	7,989.0	11,570.0	7,840.9	83.0	84.4	-79.83	-4,263.6	566.5	838.3	673.7	164.61	5.093	
11,800.0	7,989.0	11,670.0	7,840.7	84.9	86.3	-79.81	-4,363.6	566.8	838.3	670.0	168.31	4.981	
11,900.0	7,989.0	11,770.0	7,840.5	86.7	88.2	-79.80	-4,463.6	567.1	838.4	666.4	172.00	4.874	
12,000.0	7,989.0	11,870.0	7,840.3	88.6	90.0	-79.78	-4,563.6	567.5	838.4	662.7	175.70	4.772	
12,100.0	7,989.0	11,970.0	7,840.1	90.5	91.9	-79.77	-4,663.6	567.8	838.4	659.0	179.41	4.673	
12,200.0	7,989.0	12,070.0	7,839.9	92.4	93.8	-79.76	-4,763.6	568.1	838.5	655.4	183.11	4.579	
12,300.0	7,989.0	12,170.0	7,839.7	94.3	95.6	-79.74	-4,863.6	568.5	838.5	651.7	186.82	4.488	
12,400.0	7,989.0	12,270.0	7,839.4	96.1	97.5	-79.73	-4,963.6	568.8	838.6	648.0	190.53	4.401	
12,500.0	7,989.0	12,370.0	7,839.2	98.0	99.4	-79.71	-5,063.6	569.1	838.6	644.4	194.24	4.317	
12,600.0	7,989.0	12,470.0	7,839.0	99.9	101.3	-79.70	-5,163.6	569.5	838.6	640.7	197.96	4.236	
12,700.0	7,989.0	12,570.0	7,838.8	101.8	103.1	-79.68	-5,263.6	569.8	838.7	637.0	201.67	4.159	
12,800.0	7,989.0	12,670.0	7,838.6	103.7	105.0	-79.67	-5,363.6	570.1	838.7	633.3	205.39	4.083	
12,900.0	7,989.0	12,770.0	7,838.4	105.6	106.9	-79.65	-5,463.6	570.5	838.7	629.6	209.11	4.011	
13,000.0	7,989.0	12,870.0	7,838.2	107.5	108.8	-79.64	-5,563.6	570.8	838.8	626.0	212.83	3.941	
13,100.0	7,989.0	12,970.0	7,837.9	109.4	110.7	-79.63	-5,663.6	571.1	838.8	622.3	216.55	3.874	
13,200.0	7,989.0	13,070.0	7,837.7	111.3	112.6	-79.61	-5,763.6	571.5	838.9	618.6	220.28	3.808	
13,300.0	7,989.0	13,170.0	7,837.5	113.1	114.4	-79.60	-5,863.6	571.8	838.9	614.9	224.00	3.745	
13,400.0	7,989.0	13,270.0	7,837.3	115.0	116.3	-79.58	-5,963.6	572.1	838.9	611.2	227.73	3.684	
13,500.0	7,989.0	13,370.0	7,837.1	116.9	118.2	-79.57	-6,063.6	572.5	839.0	607.5	231.46	3.625	
13,600.0	7,989.0	13,470.0	7,836.9	118.8	120.1	-79.55	-6,163.6	572.8	839.0	603.8	235.18	3.567	
13,700.0	7,989.0	13,570.0	7,836.6	120.7	122.0	-79.54	-6,263.6	573.1	839.1	600.1	238.91	3.512	
13,800.0	7,989.0	13,670.0	7,836.4	122.6	123.9	-79.52	-6,363.6	573.5	839.1	596.4	242.64	3.458	
13,900.0	7,989.0	13,770.0	7,836.2	124.5	125.8	-79.51	-6,463.6	573.8	839.1	592.8	246.38	3.406	
14,000.0	7,989.0	13,870.0	7,836.0	126.4	127.7	-79.49	-6,563.6	574.1	839.2	589.1	250.11	3.355	
14,100.0	7,989.0	13,970.0	7,835.8	128.3	129.6	-79.48	-6,663.6	574.5	839.2	585.4	253.84	3.306	
14,200.0	7,989.0	14,070.0	7,835.6	130.2	131.5	-79.47	-6,763.6	574.8	839.2	581.7	257.57	3.258	
14,300.0	7,989.0	14,170.0	7,835.4	132.1	133.4	-79.45	-6,863.6	575.1	839.3	578.0	261.31	3.212	
14,400.0	7,989.0	14,270.0	7,835.1	134.0	135.2	-79.44	-6,963.6	575.5	839.3	574.3	265.04	3.167	
14,500.0	7,989.0	14,370.0	7,834.9	135.9	137.1	-79.42	-7,063.6	575.8	839.4	570.6	268.78	3.123	
14,600.0	7,989.0	14,470.0	7,834.7	137.8	139.0	-79.41	-7,163.6	576.1	839.4	566.9	272.51	3.080	
14,700.0	7,989.0	14,570.0	7,834.5	139.7	140.9	-79.39	-7,263.6	576.5	839.4	563.2	276.25	3.039	
14,800.0	7,989.0	14,670.0	7,834.3	141.6	142.8	-79.38	-7,363.6	576.8	839.5	559.5	279.99	2.998	
14,900.0	7,989.0	14,770.0	7,834.1	143.5	144.7	-79.36	-7,463.6	577.1	839.5	555.8	283.72	2.959	
15,000.0	7,989.0	14,870.0	7,833.8	145.4	146.6	-79.35	-7,563.6	577.5	839.6	552.1	287.46	2.921	
15,100.0	7,989.0	14,970.0	7,833.6	147.3	148.5	-79.34	-7,663.6	577.8	839.6	548.4	291.20	2.883	
15,200.0	7,989.0	15,070.0	7,833.4	149.2	150.4	-79.32	-7,763.6	578.2	839.6	544.7	294.94	2.847	
15,300.0	7,989.0	15,170.0	7,833.2	151.1	152.3	-79.31	-7,863.6	578.5	839.7	541.0	298.68	2.811	

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 I-14-23HC
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 I-14-23HC	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

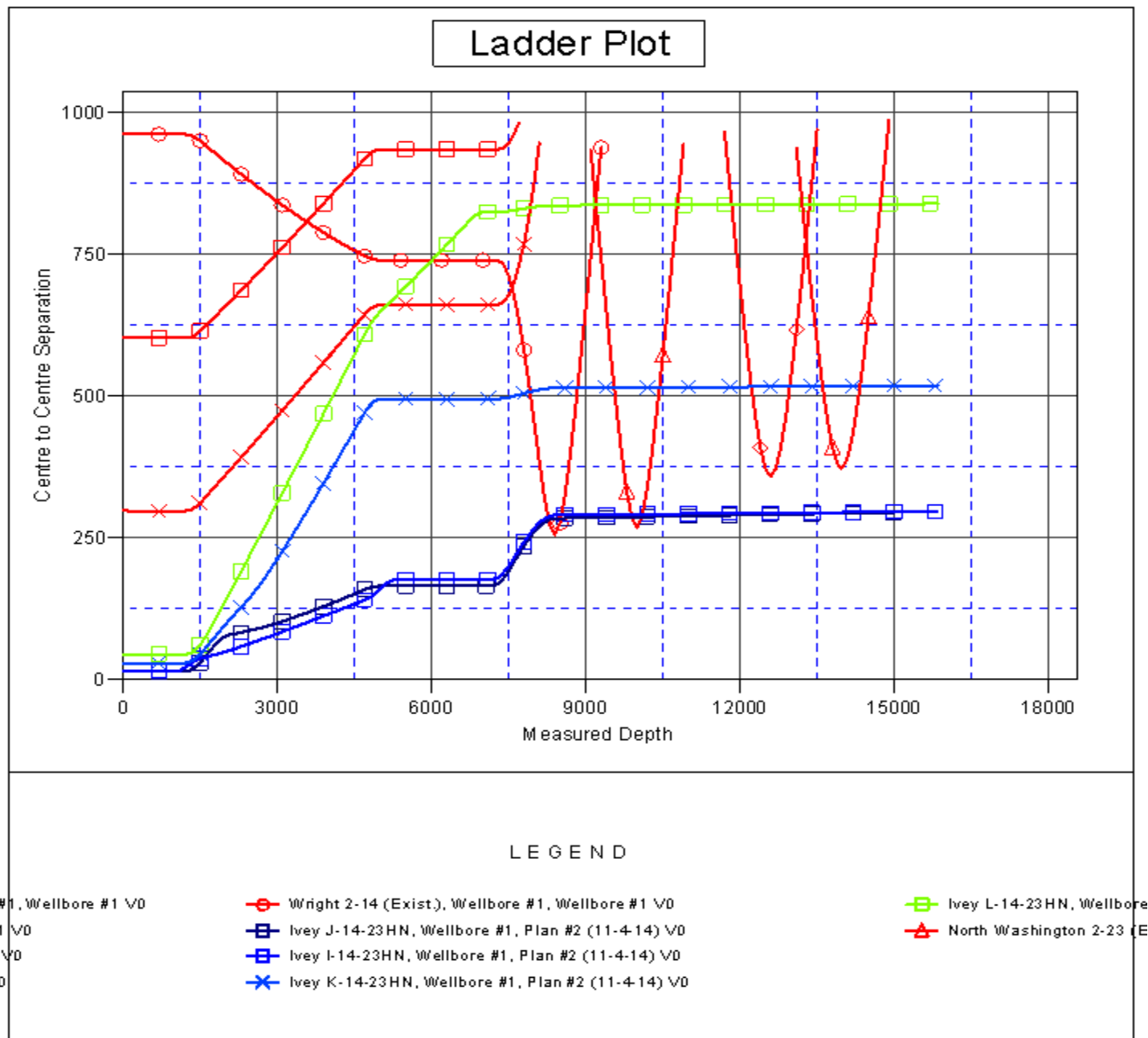
Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey L-14-23HN - Wellbore #1 - Plan #2 (11-4-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (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		
15,400.0	7,989.0	15,270.0	7,833.0	153.0	154.2	-79.29	-7,963.6	578.8	839.7	537.3	302.42	2.777		
15,500.0	7,989.0	15,370.0	7,832.8	154.9	156.1	-79.28	-8,063.6	579.2	839.7	533.6	306.16	2.743		
15,600.0	7,989.0	15,470.0	7,832.6	156.8	158.0	-79.26	-8,163.6	579.5	839.8	529.9	309.90	2.710		
15,700.0	7,989.0	15,570.0	7,832.3	158.7	159.9	-79.25	-8,263.6	579.8	839.8	526.2	313.64	2.678		
15,800.0	7,989.0	15,670.0	7,832.1	160.6	161.8	-79.24	-8,363.6	580.2	839.9	522.5	317.38	2.646		
15,849.8	7,989.0	15,719.8	7,832.0	161.6	162.8	-79.23	-8,413.3	580.3	839.9	520.6	319.24	2.631 SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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		North Washington Pad SEC.23-T1S-R68W - North Washington 2-23 (Exist.) - North Washington 2-23 -										Offset Site Error:		0.0 ft			
Survey Program: 186-Reference				Offset		Semi Major Axis		Distance						Offset Well Error:		0.0 ft	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
13,100.0	7,989.0	8,503.3	8,180.2	109.4		-111.97	-6,515.6	117.5	938.5	835.8	102.68	9.140					
13,200.0	7,989.0	8,488.2	8,165.3	111.3		-109.92	-6,518.0	118.0	848.8	743.2	105.65	8.034					
13,300.0	7,989.0	8,473.4	8,150.7	113.1		-107.88	-6,520.4	118.5	761.4	652.9	108.54	7.015					
13,400.0	7,989.0	8,458.7	8,136.2	115.0		-105.79	-6,522.8	119.0	677.1	565.8	111.38	6.080					
13,500.0	7,989.0	8,443.6	8,121.3	116.9		-103.62	-6,525.2	119.5	597.3	483.2	114.15	5.233					
13,600.0	7,989.0	8,428.2	8,106.2	118.8		-101.37	-6,527.8	120.1	524.0	407.2	116.85	4.485					
13,700.0	7,989.0	8,412.5	8,090.7	120.7		-99.05	-6,530.4	120.6	460.3	340.9	119.43	3.854					
13,800.0	7,989.0	8,396.5	8,074.9	122.6		-96.64	-6,533.1	121.2	410.6	288.7	121.89	3.369					
13,900.0	7,989.0	8,379.4	8,058.0	124.5		-94.07	-6,536.0	121.9	380.5	256.3	124.19	3.064					
13,972.8	7,989.0	8,366.6	8,045.5	125.9		-92.14	-6,538.2	122.4	373.7	248.0	125.74	2.972 CC, ES					
14,000.0	7,989.0	8,361.9	8,040.8	126.4		-91.43	-6,539.0	122.6	374.7	248.4	126.29	2.967 SF					
14,100.0	7,989.0	8,344.7	8,023.9	128.3		-88.84	-6,541.9	123.2	394.2	266.0	128.17	3.075					
14,200.0	7,989.0	8,327.9	8,007.3	130.2		-86.31	-6,544.7	123.8	435.7	305.8	129.83	3.356					
14,300.0	7,989.0	8,311.4	7,991.1	132.1		-83.86	-6,547.4	124.3	493.6	362.4	131.28	3.760					
14,400.0	7,989.0	8,295.0	7,974.9	134.0		-81.43	-6,550.0	124.9	563.1	430.5	132.51	4.249					
14,500.0	7,989.0	8,278.0	7,958.2	135.9		-78.97	-6,552.8	125.4	640.2	506.7	133.51	4.795					
14,600.0	7,989.0	8,260.3	7,940.7	137.8		-76.46	-6,555.7	126.0	722.5	588.3	134.24	5.382					
14,700.0	7,989.0	8,242.1	7,922.8	139.7		-73.93	-6,558.8	126.6	808.5	673.8	134.72	6.002					
14,800.0	7,989.0	8,223.4	7,904.3	141.6		-71.41	-6,562.0	127.2	897.1	762.1	134.94	6.648					
14,900.0	7,989.0	8,204.2	7,885.4	143.5		-68.91	-6,565.3	127.8	987.5	852.6	134.90	7.320					

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Ivey I-14-23HC
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 I-14-23HC	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 I-14-23HC
 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 I-14-23HC
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 I-14-23HC	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 I-14-23HC
 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°

