

Bayswater Exploration & Production, LLC

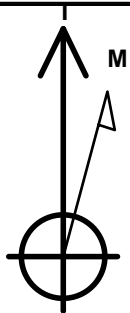
Well Name: **Holton F-12HN**

Surface Location: Holton 12-C Pad Sec.12-T6N-R65W
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
 Ground Elevation: 4718.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1428505.94	3247902.63	40.506229	-104.608486	
		RKB - 22.5'	WELL @ 4740.5ft (RKB - 22.5')			

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 555'FNL, 1905'FEL	1.0	0.0	0.0	Point
BHL 465'FSL, 1794'FWL	6902.0	-4217.7	-1656.3	Point
LANDING PT. 465'FNL, 1790'FWL	6965.0	130.5	-1607.3	Point



Azimuths to True North
 Magnetic North: 8.41°

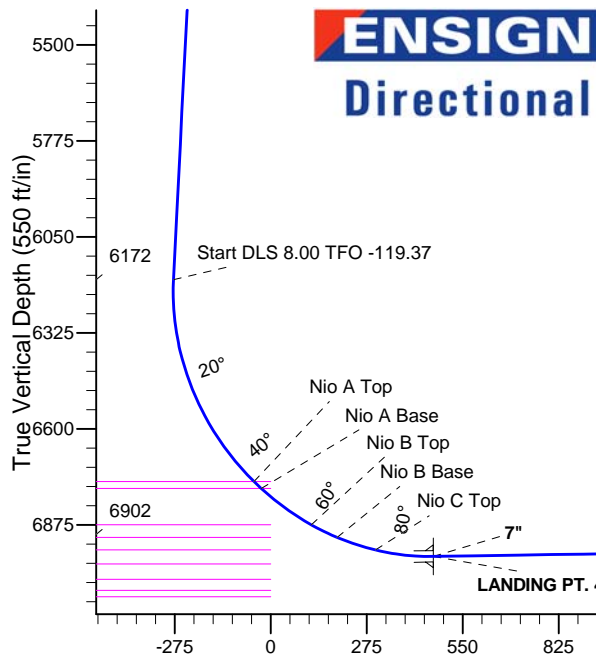
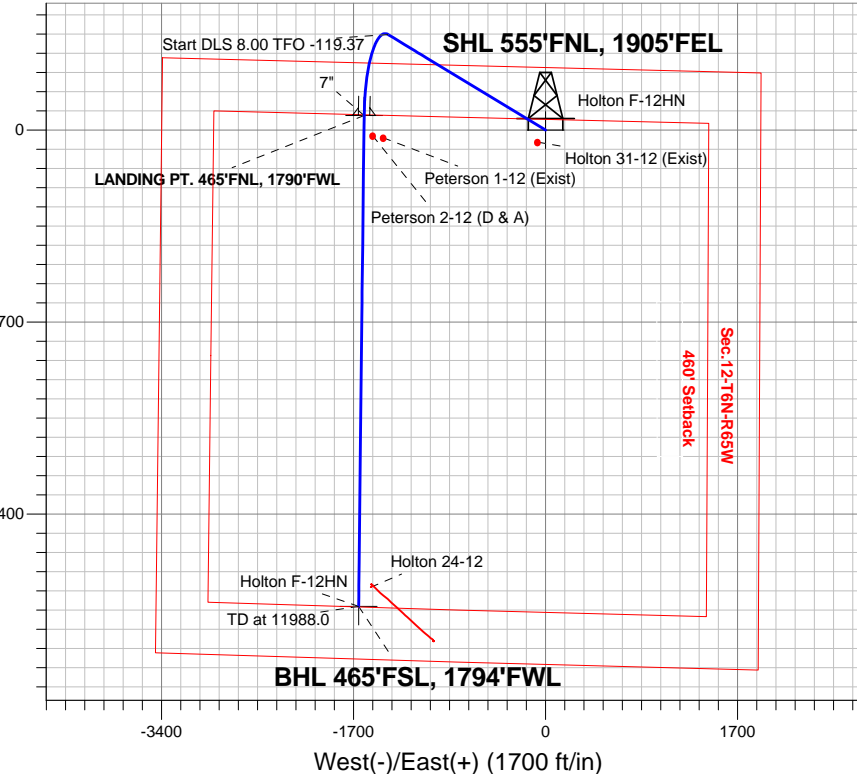
Magnetic Field
 Strength: 52909.7nT
 Dip Angle: 67.06°
 Date: 3/31/2014
 Model: IGRF2010

Holton 12-C Pad Sec.12-T6N-R65W
 Holton F-12HN
 Plan #1 (4-01-14)
 9:57, April 04 2014

ANNOTATIONS

TVD	MD	Annotation
200.0	200.0	KOP - Start Build 2.00
6171.9	6401.0	Start DLS 8.00 TFO -119.37
6902.0	11988.0	TD at 11988.0

South(-)/North(+) (1700 ft/in)



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	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	1018.2	16.36	301.25	1007.1	60.2	-99.2	2.00	301.25	-19.8	
4	6401.0	16.36	301.25	6171.8	847.0	-1395.6	0.00	0.00	-278.2	
5	7639.1	90.83	180.65	6965.0	130.5	-1607.3	8.00	-119.37	466.1	LANDING PT. 465'FNL, 1790'FWL
6	7639.6	90.83	180.65	6965.0	130.0	-1607.3	1.00	-90.00	466.5	
7	11988.0	90.83	180.65	6902.0	-4217.7	-1656.3	0.00	0.00	4531.2	BHL 465'FSL, 1794'FWL

BHL 465'FSL, 1794'FWL

TD at 11988.0

Vertical Section at 201.44° (550 ft/in)



Bayswater Exploration & Production, LLC

SEC.12-T6N-R65W

Holton 12-C Pad Sec.12-T6N-R65W

Holton F-12HN

Wellbore #1

Plan: Plan #1 (4-01-14)

Standard Planning Report

04 April, 2014



Database:	landmark	Local Co-ordinate Reference:	Well Holton F-12HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Project:	SEC.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site:	Holton 12-C Pad Sec.12-T6N-R65W	North Reference:	True
Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-01-14)		

Project	SEC.12-T6N-R65W, 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		Holton 12-C Pad Sec.12-T6N-R65W			
Site Position:		Northing:	1,428,505.94 ft	Latitude:	40.506229
From:	Lat/Long	Easting:	3,247,902.63 ft	Longitude:	-104.608486
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.58 °

Well	Holton F-12HN					
Well Position	+N/-S	0.0 ft	Northing:	1,428,505.94 ft	Latitude:	40.506229
	+E/-W	0.0 ft	Easting:	3,247,902.63 ft	Longitude:	-104.608486
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,718.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/31/2014	8.41	67.06	52,910

Design	Plan #1 (4-01-14)			
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	201.44

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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,018.2	16.36	301.25	1,007.1	60.2	-99.2	2.00	2.00	0.00	301.25	
6,401.0	16.36	301.25	6,171.8	847.0	-1,395.6	0.00	0.00	0.00	0.00	
7,639.1	90.83	180.65	6,965.0	130.5	-1,607.3	8.00	6.01	-9.74	-119.37	LANDING PT. 465'I
7,639.6	90.83	180.65	6,965.0	130.0	-1,607.3	1.00	0.00	-1.00	-90.00	
11,988.0	90.83	180.65	6,902.0	-4,217.7	-1,656.3	0.00	0.00	0.00	0.00	BHL 465'FSL, 1794

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Project:	SEC.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site:	Holton 12-C Pad Sec.12-T6N-R65W	North Reference:	True
Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-01-14)		

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
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 555'FNL, 1905'FEL									
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
KOP - Start Build 2.00									
300.0	2.00	301.25	300.0	0.9	-1.5	-0.3	2.00	2.00	0.00
400.0	4.00	301.25	399.8	3.6	-6.0	-1.2	2.00	2.00	0.00
500.0	6.00	301.25	499.5	8.1	-13.4	-2.7	2.00	2.00	0.00
600.0	8.00	301.25	598.7	14.5	-23.8	-4.8	2.00	2.00	0.00
700.0	10.00	301.25	697.5	22.6	-37.2	-7.4	2.00	2.00	0.00
800.0	12.00	301.25	795.6	32.5	-53.5	-10.7	2.00	2.00	0.00
900.0	14.00	301.25	893.1	44.1	-72.7	-14.5	2.00	2.00	0.00
1,000.0	16.00	301.25	989.6	57.6	-94.9	-18.9	2.00	2.00	0.00
1,018.2	16.36	301.25	1,007.1	60.2	-99.2	-19.8	2.00	2.00	0.00
1,100.0	16.36	301.25	1,085.6	72.2	-118.9	-23.7	0.00	0.00	0.00
1,200.0	16.36	301.25	1,181.6	86.8	-143.0	-28.5	0.00	0.00	0.00
1,300.0	16.36	301.25	1,277.5	101.4	-167.1	-33.3	0.00	0.00	0.00
1,400.0	16.36	301.25	1,373.5	116.0	-191.2	-38.1	0.00	0.00	0.00
1,500.0	16.36	301.25	1,469.4	130.6	-215.3	-42.9	0.00	0.00	0.00
1,600.0	16.36	301.25	1,565.4	145.2	-239.3	-47.7	0.00	0.00	0.00
1,700.0	16.36	301.25	1,661.3	159.9	-263.4	-52.5	0.00	0.00	0.00
1,800.0	16.36	301.25	1,757.3	174.5	-287.5	-57.3	0.00	0.00	0.00
1,900.0	16.36	301.25	1,853.2	189.1	-311.6	-62.1	0.00	0.00	0.00
2,000.0	16.36	301.25	1,949.2	203.7	-335.7	-66.9	0.00	0.00	0.00
2,100.0	16.36	301.25	2,045.1	218.3	-359.8	-71.7	0.00	0.00	0.00
2,200.0	16.36	301.25	2,141.1	232.9	-383.8	-76.5	0.00	0.00	0.00
2,300.0	16.36	301.25	2,237.0	247.6	-407.9	-81.3	0.00	0.00	0.00
2,400.0	16.36	301.25	2,332.9	262.2	-432.0	-86.1	0.00	0.00	0.00
2,500.0	16.36	301.25	2,428.9	276.8	-456.1	-90.9	0.00	0.00	0.00
2,600.0	16.36	301.25	2,524.8	291.4	-480.2	-95.7	0.00	0.00	0.00
2,700.0	16.36	301.25	2,620.8	306.0	-504.3	-100.5	0.00	0.00	0.00
2,800.0	16.36	301.25	2,716.7	320.6	-528.4	-105.3	0.00	0.00	0.00
2,900.0	16.36	301.25	2,812.7	335.3	-552.4	-110.1	0.00	0.00	0.00
3,000.0	16.36	301.25	2,908.6	349.9	-576.5	-114.9	0.00	0.00	0.00
3,100.0	16.36	301.25	3,004.6	364.5	-600.6	-119.7	0.00	0.00	0.00
3,200.0	16.36	301.25	3,100.5	379.1	-624.7	-124.5	0.00	0.00	0.00
3,300.0	16.36	301.25	3,196.5	393.7	-648.8	-129.3	0.00	0.00	0.00
3,400.0	16.36	301.25	3,292.4	408.3	-672.9	-134.1	0.00	0.00	0.00
3,500.0	16.36	301.25	3,388.4	423.0	-697.0	-138.9	0.00	0.00	0.00
3,600.0	16.36	301.25	3,484.3	437.6	-721.0	-143.7	0.00	0.00	0.00
3,700.0	16.36	301.25	3,580.3	452.2	-745.1	-148.5	0.00	0.00	0.00
3,797.1	16.36	301.25	3,673.5	466.4	-768.5	-153.2	0.00	0.00	0.00
Parkman									
3,800.0	16.36	301.25	3,676.2	466.8	-769.2	-153.3	0.00	0.00	0.00
3,900.0	16.36	301.25	3,772.2	481.4	-793.3	-158.1	0.00	0.00	0.00
4,000.0	16.36	301.25	3,868.1	496.0	-817.4	-162.9	0.00	0.00	0.00
4,100.0	16.36	301.25	3,964.1	510.7	-841.5	-167.7	0.00	0.00	0.00
4,200.0	16.36	301.25	4,060.0	525.3	-865.5	-172.5	0.00	0.00	0.00
4,300.0	16.36	301.25	4,156.0	539.9	-889.6	-177.3	0.00	0.00	0.00
4,400.0	16.36	301.25	4,251.9	554.5	-913.7	-182.1	0.00	0.00	0.00
4,500.0	16.36	301.25	4,347.9	569.1	-937.8	-186.9	0.00	0.00	0.00
4,600.0	16.36	301.25	4,443.8	583.7	-961.9	-191.8	0.00	0.00	0.00

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Project:	SEC.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site:	Holton 12-C Pad Sec.12-T6N-R65W	North Reference:	True
Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-01-14)		

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)
4,645.5	16.36	301.25	4,487.5	590.4	-972.8	-193.9	0.00	0.00	0.00
Sussex									
4,700.0	16.36	301.25	4,539.8	598.4	-986.0	-196.6	0.00	0.00	0.00
4,800.0	16.36	301.25	4,635.7	613.0	-1,010.1	-201.4	0.00	0.00	0.00
4,900.0	16.36	301.25	4,731.7	627.6	-1,034.1	-206.2	0.00	0.00	0.00
5,000.0	16.36	301.25	4,827.6	642.2	-1,058.2	-211.0	0.00	0.00	0.00
5,100.0	16.36	301.25	4,923.6	656.8	-1,082.3	-215.8	0.00	0.00	0.00
5,163.5	16.36	301.25	4,984.5	666.1	-1,097.6	-218.8	0.00	0.00	0.00
Shannon									
5,200.0	16.36	301.25	5,019.5	671.4	-1,106.4	-220.6	0.00	0.00	0.00
5,300.0	16.36	301.25	5,115.5	686.1	-1,130.5	-225.4	0.00	0.00	0.00
5,400.0	16.36	301.25	5,211.4	700.7	-1,154.6	-230.2	0.00	0.00	0.00
5,500.0	16.36	301.25	5,307.4	715.3	-1,178.7	-235.0	0.00	0.00	0.00
5,600.0	16.36	301.25	5,403.3	729.9	-1,202.7	-239.8	0.00	0.00	0.00
5,700.0	16.36	301.25	5,499.3	744.5	-1,226.8	-244.6	0.00	0.00	0.00
5,800.0	16.36	301.25	5,595.2	759.1	-1,250.9	-249.4	0.00	0.00	0.00
5,900.0	16.36	301.25	5,691.2	773.8	-1,275.0	-254.2	0.00	0.00	0.00
6,000.0	16.36	301.25	5,787.1	788.4	-1,299.1	-259.0	0.00	0.00	0.00
6,100.0	16.36	301.25	5,883.1	803.0	-1,323.2	-263.8	0.00	0.00	0.00
6,200.0	16.36	301.25	5,979.0	817.6	-1,347.2	-268.6	0.00	0.00	0.00
6,300.0	16.36	301.25	6,075.0	832.2	-1,371.3	-273.4	0.00	0.00	0.00
6,400.0	16.36	301.25	6,170.9	846.8	-1,395.4	-278.2	0.00	0.00	0.00
6,401.0	16.36	301.25	6,171.9	847.0	-1,395.7	-278.2	0.00	0.00	0.00
Start DLS 8.00 TFO -119.37									
6,500.0	14.22	271.97	6,267.5	854.6	-1,419.8	-276.5	8.00	-2.17	-29.58
6,600.0	16.14	241.93	6,364.2	848.5	-1,444.3	-261.9	8.00	1.92	-30.04
6,700.0	21.08	221.94	6,459.0	828.6	-1,468.7	-234.4	8.00	4.94	-19.99
6,800.0	27.45	210.05	6,550.2	795.2	-1,492.3	-194.7	8.00	6.37	-11.90
6,900.0	34.46	202.52	6,635.9	749.0	-1,514.7	-143.5	8.00	7.01	-7.53
7,000.0	41.79	197.32	6,714.5	691.0	-1,535.5	-81.9	8.00	7.33	-5.20
7,049.7	45.51	195.27	6,750.5	658.1	-1,545.1	-47.8	8.00	7.48	-4.13
Nio A Top									
7,078.8	47.70	194.18	6,770.5	637.6	-1,550.4	-26.8	8.00	7.53	-3.72
Nio A Base									
7,100.0	49.30	193.44	6,784.5	622.2	-1,554.2	-11.0	8.00	7.56	-3.50
7,200.0	56.92	190.36	6,844.5	544.0	-1,570.6	67.8	8.00	7.61	-3.08
7,258.5	61.40	188.80	6,874.5	494.5	-1,578.9	116.8	8.00	7.67	-2.67
Nio B Top									
7,300.0	64.59	187.77	6,893.4	457.9	-1,584.3	152.9	8.00	7.69	-2.48
7,342.5	67.87	186.77	6,910.5	419.3	-1,589.2	190.6	8.00	7.71	-2.35
Nio B Base									
7,400.0	72.31	185.49	6,930.1	365.6	-1,594.9	242.7	8.00	7.72	-2.22
7,462.3	77.13	184.18	6,946.5	305.7	-1,600.0	300.3	8.00	7.74	-2.11
Nio C Top									
7,500.0	80.05	183.41	6,954.0	268.8	-1,602.4	335.5	8.00	7.74	-2.04
7,600.0	87.80	181.42	6,964.5	169.6	-1,606.6	429.4	8.00	7.75	-1.99
7,639.1	90.83	180.65	6,965.0	130.5	-1,607.3	466.1	8.00	7.75	-1.96
7" - LANDING PT. 465'FNL, 1790'FWL									
7,639.6	90.83	180.65	6,965.0	130.0	-1,607.3	466.5	1.01	0.05	-1.01
7,700.0	90.83	180.65	6,964.1	69.6	-1,608.0	523.0	0.00	0.00	0.00
7,800.0	90.83	180.65	6,962.7	-30.4	-1,609.1	616.5	0.00	0.00	0.00
7,900.0	90.83	180.65	6,961.2	-130.4	-1,610.3	709.9	0.00	0.00	0.00
8,000.0	90.83	180.65	6,959.8	-230.4	-1,611.4	803.4	0.00	0.00	0.00

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Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-01-14)		

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)
8,100.0	90.83	180.65	6,958.3	-330.3	-1,612.5	896.9	0.00	0.00	0.00
8,200.0	90.83	180.65	6,956.9	-430.3	-1,613.6	990.4	0.00	0.00	0.00
8,300.0	90.83	180.65	6,955.4	-530.3	-1,614.8	1,083.8	0.00	0.00	0.00
8,400.0	90.83	180.65	6,954.0	-630.3	-1,615.9	1,177.3	0.00	0.00	0.00
8,500.0	90.83	180.65	6,952.5	-730.3	-1,617.0	1,270.8	0.00	0.00	0.00
8,600.0	90.83	180.65	6,951.1	-830.3	-1,618.1	1,364.3	0.00	0.00	0.00
8,700.0	90.83	180.65	6,949.6	-930.2	-1,619.3	1,457.8	0.00	0.00	0.00
8,800.0	90.83	180.65	6,948.2	-1,030.2	-1,620.4	1,551.2	0.00	0.00	0.00
8,900.0	90.83	180.65	6,946.7	-1,130.2	-1,621.5	1,644.7	0.00	0.00	0.00
9,000.0	90.83	180.65	6,945.3	-1,230.2	-1,622.6	1,738.2	0.00	0.00	0.00
9,100.0	90.83	180.65	6,943.8	-1,330.2	-1,623.8	1,831.7	0.00	0.00	0.00
9,200.0	90.83	180.65	6,942.4	-1,430.2	-1,624.9	1,925.1	0.00	0.00	0.00
9,300.0	90.83	180.65	6,940.9	-1,530.1	-1,626.0	2,018.6	0.00	0.00	0.00
9,400.0	90.83	180.65	6,939.5	-1,630.1	-1,627.1	2,112.1	0.00	0.00	0.00
9,500.0	90.83	180.65	6,938.0	-1,730.1	-1,628.3	2,205.6	0.00	0.00	0.00
9,600.0	90.83	180.65	6,936.6	-1,830.1	-1,629.4	2,299.0	0.00	0.00	0.00
9,700.0	90.83	180.65	6,935.1	-1,930.1	-1,630.5	2,392.5	0.00	0.00	0.00
9,800.0	90.83	180.65	6,933.7	-2,030.1	-1,631.6	2,486.0	0.00	0.00	0.00
9,900.0	90.83	180.65	6,932.2	-2,130.0	-1,632.8	2,579.5	0.00	0.00	0.00
10,000.0	90.83	180.65	6,930.8	-2,230.0	-1,633.9	2,672.9	0.00	0.00	0.00
10,100.0	90.83	180.65	6,929.4	-2,330.0	-1,635.0	2,766.4	0.00	0.00	0.00
10,200.0	90.83	180.65	6,927.9	-2,430.0	-1,636.1	2,859.9	0.00	0.00	0.00
10,300.0	90.83	180.65	6,926.5	-2,530.0	-1,637.3	2,953.4	0.00	0.00	0.00
10,400.0	90.83	180.65	6,925.0	-2,630.0	-1,638.4	3,046.8	0.00	0.00	0.00
10,500.0	90.83	180.65	6,923.6	-2,729.9	-1,639.5	3,140.3	0.00	0.00	0.00
10,600.0	90.83	180.65	6,922.1	-2,829.9	-1,640.6	3,233.8	0.00	0.00	0.00
10,700.0	90.83	180.65	6,920.7	-2,929.9	-1,641.8	3,327.3	0.00	0.00	0.00
10,800.0	90.83	180.65	6,919.2	-3,029.9	-1,642.9	3,420.7	0.00	0.00	0.00
10,900.0	90.83	180.65	6,917.8	-3,129.9	-1,644.0	3,514.2	0.00	0.00	0.00
11,000.0	90.83	180.65	6,916.3	-3,229.9	-1,645.2	3,607.7	0.00	0.00	0.00
11,100.0	90.83	180.65	6,914.9	-3,329.8	-1,646.3	3,701.2	0.00	0.00	0.00
11,200.0	90.83	180.65	6,913.4	-3,429.8	-1,647.4	3,794.6	0.00	0.00	0.00
11,300.0	90.83	180.65	6,912.0	-3,529.8	-1,648.5	3,888.1	0.00	0.00	0.00
11,400.0	90.83	180.65	6,910.5	-3,629.8	-1,649.7	3,981.6	0.00	0.00	0.00
11,500.0	90.83	180.65	6,909.1	-3,729.8	-1,650.8	4,075.1	0.00	0.00	0.00
11,600.0	90.83	180.65	6,907.6	-3,829.8	-1,651.9	4,168.6	0.00	0.00	0.00
11,700.0	90.83	180.65	6,906.2	-3,929.7	-1,653.0	4,262.0	0.00	0.00	0.00
11,800.0	90.83	180.65	6,904.7	-4,029.7	-1,654.2	4,355.5	0.00	0.00	0.00
11,900.0	90.83	180.65	6,903.3	-4,129.7	-1,655.3	4,449.0	0.00	0.00	0.00
11,988.0	90.83	180.65	6,902.0	-4,217.7	-1,656.3	4,531.2	0.00	0.00	0.00
BHL 465'FSL, 1794'FWL									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,639.1	6,965.0	7"	7	7-1/2

Database:	landmark	Local Co-ordinate Reference:	Well Holton F-12HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Project:	SEC.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site:	Holton 12-C Pad Sec.12-T6N-R65W	North Reference:	True
Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-01-14)		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,797.1	3,673.5	Parkman				
4,645.5	4,487.5	Sussex				
5,163.5	4,984.5	Shannon				
7,049.7	6,750.5	Nio A Top				
7,078.8	6,770.5	Nio A Base				
7,258.5	6,874.5	Nio B Top				
7,342.5	6,910.5	Nio B Base				
7,462.3	6,946.5	Nio C Top				
	6,986.5	Nio C Base				
	7,030.5	Fort Hays				
	7,062.5	Codell				
	7,080.5	Base of Codell				

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP - Start Build 2.00
6,401.0	6,171.9	847.0	-1,395.7	Start DLS 8.00 TFO -119.37
11,988.0	6,902.0	-4,217.7	-1,656.3	TD at 11988.0



Bayswater Exploration & Production, LLC

SEC.12-T6N-R65W

Holton 12-C Pad Sec.12-T6N-R65W

Holton F-12HN

Wellbore #1

Plan #1 (4-01-14)

Anticollision Report

04 April, 2014



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (4-01-14)		
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 4/4/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	11,988.0	Plan #1 (4-01-14) (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 Wells Sec.12-T6N-R65W						
Holton 31-12 (Exist) - Wellbore #1 - Wellbore #1	415.9	389.2	128.1	119.5	14.879	CC
Holton 31-12 (Exist) - Wellbore #1 - Wellbore #1	600.0	572.2	129.6	116.9	10.152	ES
Holton 31-12 (Exist) - Wellbore #1 - Wellbore #1	1,000.0	963.1	164.3	142.5	7.555	SF
Peterson 1-12 (Exist) - Wellbore #1 - Wellbore #1	7,835.8	6,961.7	171.6	10.6	1.066	Level 2, CC, ES, SF
Peterson 2-12 (D & A) - Wellbore #1 - Wellbore #1	4,049.8	3,820.0	899.2	803.3	9.380	CC, ES
Peterson 2-12 (D & A) - Wellbore #1 - Wellbore #1	4,100.0	3,820.0	900.6	804.5	9.367	SF
Holton 12-C Pad Sec.12-T6N-R65W						
Holton G-12HN - Wellbore #1 - Plan #1 (4-01-14)	200.0	200.0	17.8	17.1	26.400	CC, ES
Holton G-12HN - Wellbore #1 - Plan #1 (4-01-14)	11,988.0	11,986.8	330.9	156.9	1.901	SF
Holton H-12HN - Wellbore #1 - Plan #1 (4-01-14)	200.0	200.0	35.9	35.2	53.225	CC, ES
Holton H-12HN - Wellbore #1 - Plan #1 (4-01-14)	11,988.0	11,857.9	656.2	482.2	3.773	SF
Holton I-12HN - Wellbore #1 - Plan #1 (4-01-14)	200.0	200.0	54.0	53.3	80.036	CC, ES
Holton I-12HN - Wellbore #1 - Plan #1 (4-01-14)	11,988.0	11,863.9	987.4	813.0	5.661	SF
Holton J-12HC - Wellbore #1 - Plan #1 (4-01-14)	200.0	200.0	71.8	71.1	106.435	CC, ES
Holton J-12HC - Wellbore #1 - Plan #1 (4-01-14)	5,400.0	5,336.8	988.7	953.0	27.733	SF
Holton K-12HN - Wellbore #1 - Plan #1 (4-01-14)	200.0	197.0	89.9	89.2	134.607	CC, ES
Holton K-12HN - Wellbore #1 - Plan #1 (4-01-14)	4,400.0	4,314.4	990.0	962.7	36.265	SF
Holton 24-12 Pad Sec.12-T6N-R65W						
Holton 24-12 - Wellbore #1 - Wellbore #1	11,808.7	6,949.2	112.4	11.3	1.112	Level 2, CC, ES, SF

Offset Design Existing Wells Sec.12-T6N-R65W - Holton 31-12 (Exist) - Wellbore #1 - Wellbore #1												
Survey Program: 7180-UNKNOWN												
Reference Offset Semi Major Axis Distance												
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor
0.0	0.0	0.0	0.0	0.0	0.0	-145.12	-105.3	-73.4	131.1			
100.0	100.0	73.5	73.5	0.1	1.5	-145.12	-105.3	-73.4	128.4	126.8	1.58	81.114
200.0	200.0	173.5	173.5	0.3	3.5	-145.12	-105.3	-73.4	128.4	124.6	3.81	33.716
300.0	300.0	273.5	273.5	0.6	5.5	-87.15	-105.3	-73.4	128.3	122.2	6.03	21.282
400.0	399.8	373.3	373.3	0.8	7.5	-89.49	-105.3	-73.4	128.1	119.9	8.25	15.524
415.9	415.7	389.2	389.2	0.8	7.8	-90.00	-105.3	-73.4	128.1	119.5	8.61	14.879 CC
500.0	499.5	473.0	473.0	1.0	9.5	-93.36	-105.3	-73.4	128.3	117.8	10.50	12.224
600.0	598.7	572.2	572.2	1.3	11.4	-98.68	-105.3	-73.4	129.6	116.9	12.77	10.152 ES

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 Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Wells Sec.12-T6N-R65W - Holton 31-12 (Exist) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 7180-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
700.0	697.5	671.0	671.0	1.7	13.4	-105.22	-105.3	-73.4	132.9	117.9	15.06	8.827	
800.0	795.6	769.1	769.1	2.0	15.4	-112.58	-105.3	-73.4	139.2	121.9	17.34	8.027	
900.0	893.1	866.6	866.6	2.5	17.3	-120.24	-105.3	-73.4	149.5	129.9	19.58	7.631	
1,000.0	989.6	963.1	963.1	3.0	19.3	-127.66	-105.3	-73.4	164.3	142.5	21.74	7.555 SF	
1,100.0	1,085.6	1,059.1	1,059.1	3.5	21.2	-134.45	-105.3	-73.4	183.2	159.3	23.88	7.672	
1,200.0	1,181.6	1,155.1	1,155.1	4.1	23.1	-140.00	-105.3	-73.4	204.3	178.3	26.00	7.859	
1,300.0	1,277.5	1,251.0	1,251.0	4.7	25.0	-144.52	-105.3	-73.4	226.9	198.8	28.10	8.077	
1,400.0	1,373.5	1,347.0	1,347.0	5.3	26.9	-148.22	-105.3	-73.4	250.7	220.5	30.19	8.304	
1,500.0	1,469.4	1,442.9	1,442.9	5.8	28.9	-151.28	-105.3	-73.4	275.3	243.0	32.28	8.528	
1,600.0	1,565.4	1,538.9	1,538.9	6.4	30.8	-153.84	-105.3	-73.4	300.5	266.1	34.37	8.742	
1,700.0	1,661.3	1,634.8	1,634.8	7.0	32.7	-156.01	-105.3	-73.4	326.2	289.7	36.47	8.945	
1,800.0	1,757.3	1,730.8	1,730.8	7.6	34.6	-157.86	-105.3	-73.4	352.3	313.7	38.57	9.135	
1,900.0	1,853.2	1,826.7	1,826.7	8.2	36.5	-159.46	-105.3	-73.4	378.7	338.0	40.67	9.312	
2,000.0	1,949.2	1,922.7	1,922.7	8.8	38.5	-160.85	-105.3	-73.4	405.3	362.5	42.77	9.476	
2,100.0	2,045.1	2,018.6	2,018.6	9.4	40.4	-162.07	-105.3	-73.4	432.1	387.2	44.88	9.629	
2,200.0	2,141.1	2,114.6	2,114.6	10.0	42.3	-163.15	-105.3	-73.4	459.1	412.1	46.99	9.771	
2,300.0	2,237.0	2,210.5	2,210.5	10.6	44.2	-164.11	-105.3	-73.4	486.2	437.1	49.10	9.903	
2,400.0	2,332.9	2,306.4	2,306.4	11.2	46.1	-164.97	-105.3	-73.4	513.5	462.2	51.21	10.026	
2,500.0	2,428.9	2,402.4	2,402.4	11.8	48.0	-165.74	-105.3	-73.4	540.8	487.5	53.33	10.140	
2,600.0	2,524.8	2,498.3	2,498.3	12.4	50.0	-166.44	-105.3	-73.4	568.2	512.7	55.45	10.247	
2,700.0	2,620.8	2,594.3	2,594.3	13.0	51.9	-167.07	-105.3	-73.4	595.7	538.1	57.57	10.347	
2,800.0	2,716.7	2,690.2	2,690.2	13.6	53.8	-167.65	-105.3	-73.4	623.2	563.5	59.69	10.441	
2,900.0	2,812.7	2,786.2	2,786.2	14.1	55.7	-168.18	-105.3	-73.4	650.8	589.0	61.81	10.529	
3,000.0	2,908.6	2,882.1	2,882.1	14.7	57.6	-168.67	-105.3	-73.4	678.5	614.5	63.94	10.611	
3,100.0	3,004.6	2,978.1	2,978.1	15.3	59.6	-169.12	-105.3	-73.4	706.1	640.1	66.06	10.689	
3,200.0	3,100.5	3,074.0	3,074.0	15.9	61.5	-169.53	-105.3	-73.4	733.9	665.7	68.19	10.762	
3,300.0	3,196.5	3,170.0	3,170.0	16.5	63.4	-169.92	-105.3	-73.4	761.6	691.3	70.32	10.831	
3,400.0	3,292.4	3,265.9	3,265.9	17.1	65.3	-170.27	-105.3	-73.4	789.4	717.0	72.45	10.897	
3,500.0	3,388.4	3,361.9	3,361.9	17.7	67.2	-170.61	-105.3	-73.4	817.2	742.7	74.58	10.958	
3,600.0	3,484.3	3,457.8	3,457.8	18.3	69.2	-170.92	-105.3	-73.4	845.1	768.4	76.71	11.017	
3,700.0	3,580.3	3,553.8	3,553.8	18.9	71.1	-171.21	-105.3	-73.4	872.9	794.1	78.84	11.073	
3,800.0	3,676.2	3,649.7	3,649.7	19.5	73.0	-171.48	-105.3	-73.4	900.8	819.8	80.97	11.125	
3,900.0	3,772.2	3,745.7	3,745.7	20.1	74.9	-171.74	-105.3	-73.4	928.7	845.6	83.10	11.176	
4,000.0	3,868.1	3,841.6	3,841.6	20.7	76.8	-171.98	-105.3	-73.4	956.6	871.4	85.23	11.224	
4,100.0	3,964.1	3,937.6	3,937.6	21.3	78.8	-172.21	-105.3	-73.4	984.5	897.2	87.36	11.269	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Wells Sec.12-T6N-R65W - Peterson 1-12 (Exist) - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 7176-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		
2,800.0	2,716.7	2,716.2	2,716.2	13.6	54.3	-55.51	-68.1	-1,438.0	989.2	923.7	65.47	15.110		
2,900.0	2,812.7	2,812.2	2,812.2	14.1	56.2	-56.83	-68.1	-1,438.0	973.1	905.0	68.05	14.300		
3,000.0	2,908.6	2,908.1	2,908.1	14.7	58.2	-58.20	-68.1	-1,438.0	957.5	886.8	70.64	13.554		
3,100.0	3,004.6	3,004.1	3,004.1	15.3	60.1	-59.62	-68.1	-1,438.0	942.5	869.2	73.25	12.866		
3,200.0	3,100.5	3,100.0	3,100.0	15.9	62.0	-61.07	-68.1	-1,438.0	928.1	852.2	75.88	12.232		
3,300.0	3,196.5	3,196.0	3,196.0	16.5	63.9	-62.57	-68.1	-1,438.0	914.4	835.9	78.51	11.646		
3,400.0	3,292.4	3,291.9	3,291.9	17.1	65.8	-64.10	-68.1	-1,438.0	901.3	820.2	81.16	11.105		
3,500.0	3,388.4	3,387.9	3,387.9	17.7	67.8	-65.68	-68.1	-1,438.0	889.0	805.1	83.82	10.605		
3,600.0	3,484.3	3,483.8	3,483.8	18.3	69.7	-67.30	-68.1	-1,438.0	877.3	790.8	86.49	10.144		
3,700.0	3,580.3	3,579.8	3,579.8	18.9	71.6	-68.96	-68.1	-1,438.0	866.4	777.3	89.16	9.718		
3,800.0	3,676.2	3,675.7	3,675.7	19.5	73.5	-70.66	-68.1	-1,438.0	856.4	764.5	91.84	9.325		
3,900.0	3,772.2	3,771.7	3,771.7	20.1	75.4	-72.39	-68.1	-1,438.0	847.1	752.6	94.51	8.963		
4,000.0	3,868.1	3,867.6	3,867.6	20.7	77.4	-74.16	-68.1	-1,438.0	838.7	741.5	97.19	8.629		
4,100.0	3,964.1	3,963.6	3,963.6	21.3	79.3	-75.95	-68.1	-1,438.0	831.1	731.3	99.86	8.323		
4,200.0	4,060.0	4,059.5	4,059.5	21.9	81.2	-77.78	-68.1	-1,438.0	824.5	721.9	102.53	8.042		
4,300.0	4,156.0	4,155.5	4,155.5	22.5	83.1	-79.63	-68.1	-1,438.0	818.7	713.5	105.18	7.784		
4,400.0	4,251.9	4,251.4	4,251.4	23.1	85.0	-81.51	-68.1	-1,438.0	813.9	706.1	107.82	7.549		
4,500.0	4,347.9	4,347.4	4,347.4	23.7	86.9	-83.40	-68.1	-1,438.0	810.1	699.6	110.44	7.335		
4,600.0	4,443.8	4,443.3	4,443.3	24.3	88.9	-85.31	-68.1	-1,438.0	807.2	694.1	113.05	7.140		
4,700.0	4,539.8	4,539.3	4,539.3	24.9	90.8	-87.22	-68.1	-1,438.0	805.3	689.6	115.63	6.964		
4,800.0	4,635.7	4,635.2	4,635.2	25.5	92.7	-89.15	-68.1	-1,438.0	804.3	686.2	118.18	6.806		
4,844.3	4,678.3	4,677.8	4,677.8	25.8	93.6	-90.00	-68.1	-1,438.0	804.2	684.9	119.30	6.741		
4,900.0	4,731.7	4,731.2	4,731.2	26.1	94.6	-91.07	-68.1	-1,438.0	804.4	683.7	120.71	6.664		
5,000.0	4,827.6	4,827.1	4,827.1	26.7	96.5	-93.00	-68.1	-1,438.0	805.4	682.2	123.21	6.537		
5,100.0	4,923.6	4,923.1	4,923.1	27.3	98.5	-94.91	-68.1	-1,438.0	807.5	681.8	125.67	6.425		
5,200.0	5,019.5	5,019.0	5,019.0	27.9	100.4	-96.82	-68.1	-1,438.0	810.5	682.3	128.11	6.326		
5,300.0	5,115.5	5,115.0	5,115.0	28.5	102.3	-98.71	-68.1	-1,438.0	814.4	683.9	130.50	6.241		
5,400.0	5,211.4	5,210.9	5,210.9	29.1	104.2	-100.58	-68.1	-1,438.0	819.3	686.5	132.87	6.166		
5,500.0	5,307.4	5,306.9	5,306.9	29.7	106.1	-102.43	-68.1	-1,438.0	825.2	690.0	135.20	6.103		
5,600.0	5,403.3	5,402.8	5,402.8	30.3	108.1	-104.25	-68.1	-1,438.0	831.9	694.4	137.50	6.051		
5,700.0	5,499.3	5,498.8	5,498.8	30.9	110.0	-106.05	-68.1	-1,438.0	839.6	699.8	139.76	6.007		
5,800.0	5,595.2	5,594.7	5,594.7	31.5	111.9	-107.81	-68.1	-1,438.0	848.1	706.1	141.99	5.973		
5,900.0	5,691.2	5,690.7	5,690.7	32.1	113.8	-109.54	-68.1	-1,438.0	857.5	713.3	144.19	5.947		
6,000.0	5,787.1	5,786.6	5,786.6	32.7	115.7	-111.23	-68.1	-1,438.0	867.6	721.3	146.36	5.928		
6,100.0	5,883.1	5,882.6	5,882.6	33.3	117.7	-112.88	-68.1	-1,438.0	878.6	730.1	148.50	5.916		
6,200.0	5,979.0	5,978.5	5,978.5	33.9	119.6	-114.50	-68.1	-1,438.0	890.3	739.7	150.62	5.911		
6,300.0	6,075.0	6,074.5	6,074.5	34.5	121.5	-116.07	-68.1	-1,438.0	902.8	750.1	152.71	5.912		
6,400.0	6,170.9	6,170.4	6,170.4	35.0	123.4	-117.60	-68.1	-1,438.0	915.9	761.1	154.77	5.918		
6,500.0	6,267.5	6,267.0	6,267.0	35.5	125.3	-90.81	-68.1	-1,438.0	922.9	765.3	157.65	5.854		
6,600.0	6,364.2	6,363.7	6,363.7	35.9	127.3	-63.26	-68.1	-1,438.0	916.6	758.8	157.81	5.809		
6,700.0	6,459.0	6,458.5	6,458.5	36.1	129.2	-45.89	-68.1	-1,438.0	897.2	742.0	155.18	5.782		
6,800.0	6,550.2	6,549.7	6,549.7	36.2	131.0	-36.87	-68.1	-1,438.0	865.0	715.1	149.86	5.772		
6,900.0	6,635.9	6,635.4	6,635.4	36.3	132.7	-32.69	-68.1	-1,438.0	820.7	678.5	142.19	5.772		
7,000.0	6,714.5	6,714.0	6,714.0	36.2	134.3	-31.60	-68.1	-1,438.0	765.3	632.4	132.93	5.757		
7,100.0	6,784.5	6,784.0	6,784.0	36.1	135.7	-33.06	-68.1	-1,438.0	700.0	576.3	123.69	5.659		
7,200.0	6,844.5	6,844.0	6,844.0	36.0	136.9	-37.31	-68.1	-1,438.0	626.3	508.7	117.60	5.325		
7,300.0	6,893.4	6,892.9	6,892.9	35.8	137.9	-45.12	-68.1	-1,438.0	545.9	426.2	119.73	4.560		
7,400.0	6,930.1	6,929.6	6,929.6	35.6	138.6	-57.37	-68.1	-1,438.0	461.2	327.7	133.52	3.454		
7,500.0	6,954.0	6,953.5	6,953.5	35.4	139.1	-72.96	-68.1	-1,438.0	374.9	223.7	151.21	2.479		
7,600.0	6,964.5	6,964.0	6,964.0	35.1	139.3	-87.06	-68.1	-1,438.0	291.4	131.6	159.78	1.824		
7,700.0	6,964.1	6,963.6	6,963.6	35.0	139.3	-90.66	-68.1	-1,438.0	218.8	58.2	160.57	1.363 Level 3		
7,800.0	6,962.7	6,962.2	6,962.2	34.8	139.2	-90.17	-68.1	-1,438.0	175.3	14.5	160.80	1.090 Level 2		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Existing Wells Sec.12-T6N-R65W - Peterson 1-12 (Exist) - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 7176-UNKNOWN													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,835.8	6,962.2	6,961.7	6,961.7	34.8	139.2	-90.00	-68.1	-1,438.0	171.6	10.6	160.94	1.066	Level 2, CC, ES, SF
7,900.0	6,961.2	6,960.7	6,960.7	34.8	139.2	-89.69	-68.1	-1,438.0	183.2	22.0	161.17	1.137	Level 2
8,000.0	6,959.8	6,959.3	6,959.3	34.8	139.2	-89.21	-68.1	-1,438.0	237.5	75.8	161.69	1.469	Level 3
8,100.0	6,958.3	6,957.8	6,957.8	35.0	139.2	-88.72	-68.1	-1,438.0	315.0	152.7	162.34	1.941	
8,200.0	6,956.9	6,956.4	6,956.4	35.2	139.1	-88.24	-68.1	-1,438.0	402.6	239.5	163.10	2.468	
8,300.0	6,955.4	6,954.9	6,954.9	35.6	139.1	-87.76	-68.1	-1,438.0	494.9	330.9	163.96	3.018	
8,400.0	6,954.0	6,953.5	6,953.5	36.1	139.1	-87.27	-68.1	-1,438.0	589.7	424.8	164.91	3.576	
8,500.0	6,952.5	6,952.0	6,952.0	36.7	139.0	-86.79	-68.1	-1,438.0	686.0	520.0	165.95	4.134	
8,600.0	6,951.1	6,950.6	6,950.6	37.4	139.0	-86.31	-68.1	-1,438.0	783.2	616.1	167.05	4.688	
8,700.0	6,949.6	6,949.1	6,949.1	38.2	139.0	-85.83	-68.1	-1,438.0	881.0	712.8	168.21	5.238	
8,800.0	6,948.2	6,947.7	6,947.7	39.2	139.0	-85.35	-68.1	-1,438.0	979.3	809.9	169.41	5.780	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Existing Wells Sec.12-T6N-R65W - Peterson 2-12 (D & A) - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 3820-UNKNOWN													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
3,300.0	3,196.5	3,193.0	3,193.0	16.5	63.9	-58.92	-49.1	-1,532.8	988.7	910.8	77.96	12.683	
3,400.0	3,292.4	3,288.9	3,288.9	17.1	65.8	-60.30	-49.1	-1,532.8	974.1	893.5	80.59	12.087	
3,500.0	3,388.4	3,384.9	3,384.9	17.7	67.7	-61.71	-49.1	-1,532.8	960.0	876.7	83.23	11.534	
3,600.0	3,484.3	3,480.8	3,480.8	18.3	69.6	-63.16	-49.1	-1,532.8	946.5	860.6	85.88	11.021	
3,700.0	3,580.3	3,576.8	3,576.8	18.9	71.5	-64.66	-49.1	-1,532.8	933.7	845.1	88.54	10.545	
3,800.0	3,676.2	3,672.7	3,672.7	19.5	73.5	-66.19	-49.1	-1,532.8	921.6	830.4	91.21	10.104	
3,900.0	3,772.2	3,768.7	3,768.7	20.1	75.4	-67.75	-49.1	-1,532.8	910.1	816.3	93.89	9.694	
4,000.0	3,868.1	3,820.0	3,820.0	20.7	76.4	-68.60	-49.1	-1,532.8	900.6	805.0	95.59	9.422	
4,049.8	3,915.9	3,820.0	3,820.0	21.0	76.4	-68.60	-49.1	-1,532.8	899.2	803.3	95.87	9.380 CC, ES	
4,100.0	3,964.1	3,820.0	3,820.0	21.3	76.4	-68.60	-49.1	-1,532.8	900.6	804.5	96.15	9.367 SF	
4,200.0	4,060.0	3,820.0	3,820.0	21.9	76.4	-68.60	-49.1	-1,532.8	911.7	814.9	96.71	9.426	
4,300.0	4,156.0	3,820.0	3,820.0	22.5	76.4	-68.60	-49.1	-1,532.8	933.4	836.1	97.28	9.595	
4,400.0	4,251.9	3,820.0	3,820.0	23.1	76.4	-68.60	-49.1	-1,532.8	965.0	867.2	97.84	9.863	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design												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	91.19	-0.4	17.8	17.8	17.8	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	91.19	-0.4	17.8	17.8	17.6	0.22	79.199	
200.0	200.0	200.0	200.0	0.3	0.3	91.19	-0.4	17.8	17.8	17.1	0.67	26.400 CC, ES	
300.0	300.0	300.0	300.0	0.6	0.6	152.51	-0.4	17.8	19.3	18.2	1.12	17.194	
400.0	399.8	399.8	399.8	0.8	0.8	158.23	-0.4	17.8	24.1	22.5	1.58	15.262	
500.0	499.5	500.5	500.4	1.0	1.0	162.75	0.7	16.4	30.7	28.7	2.03	15.159	
600.0	598.7	601.3	601.2	1.3	1.2	165.14	3.9	12.1	37.6	35.1	2.47	15.194	
700.0	697.5	702.5	701.9	1.7	1.5	166.33	9.2	5.0	44.5	41.6	2.93	15.199	
800.0	795.6	803.8	802.5	2.0	1.8	166.82	16.7	-4.9	51.6	48.2	3.40	15.155	
900.0	893.1	905.4	902.8	2.5	2.1	166.84	26.4	-17.7	58.6	54.7	3.89	15.055	
1,000.0	989.6	1,007.3	1,002.7	3.0	2.4	166.54	38.2	-33.5	65.7	61.3	4.41	14.897	
1,100.0	1,085.6	1,109.4	1,102.2	3.5	2.9	165.81	52.1	-52.1	71.7	66.8	4.98	14.407	
1,200.0	1,181.6	1,209.5	1,199.1	4.1	3.3	164.69	67.0	-71.9	75.9	70.3	5.59	13.584	
1,300.0	1,277.5	1,309.4	1,295.9	4.7	3.8	163.68	81.9	-91.7	80.0	73.8	6.22	12.877	
1,400.0	1,373.5	1,409.3	1,392.7	5.3	4.3	162.78	96.8	-111.5	84.2	77.4	6.86	12.272	
1,500.0	1,469.4	1,509.2	1,489.5	5.8	4.8	161.96	111.7	-131.2	88.4	80.9	7.53	11.748	
1,600.0	1,565.4	1,609.1	1,586.3	6.4	5.3	161.21	126.5	-151.0	92.7	84.4	8.21	11.290	
1,700.0	1,661.3	1,709.0	1,683.1	7.0	5.8	160.53	141.4	-170.8	96.9	88.0	8.90	10.888	
1,800.0	1,757.3	1,808.9	1,779.9	7.6	6.4	159.91	156.3	-190.6	101.1	91.5	9.60	10.535	
1,900.0	1,853.2	1,908.8	1,876.6	8.2	6.9	159.33	171.2	-210.4	105.4	95.1	10.31	10.221	
2,000.0	1,949.2	2,008.7	1,973.4	8.8	7.4	158.80	186.0	-230.2	109.7	98.6	11.03	9.941	
2,100.0	2,045.1	2,108.6	2,070.2	9.4	7.9	158.31	200.9	-250.0	113.9	102.2	11.76	9.690	
2,200.0	2,141.1	2,208.5	2,167.0	10.0	8.4	157.86	215.8	-269.8	118.2	105.7	12.49	9.465	
2,300.0	2,237.0	2,308.4	2,263.8	10.6	8.9	157.44	230.7	-289.6	122.5	109.3	13.23	9.260	
2,400.0	2,332.9	2,408.3	2,360.6	11.2	9.5	157.05	245.5	-309.4	126.8	112.8	13.97	9.075	
2,500.0	2,428.9	2,508.2	2,457.4	11.8	10.0	156.68	260.4	-329.2	131.1	116.4	14.72	8.906	
2,600.0	2,524.8	2,608.1	2,554.2	12.4	10.5	156.33	275.3	-349.0	135.4	120.0	15.48	8.751	
2,700.0	2,620.8	2,708.0	2,650.9	13.0	11.0	156.01	290.2	-368.7	139.7	123.5	16.23	8.609	
2,800.0	2,716.7	2,807.9	2,747.7	13.6	11.6	155.71	305.1	-388.5	144.1	127.1	16.99	8.478	
2,900.0	2,812.7	2,907.8	2,844.5	14.1	12.1	155.42	319.9	-408.3	148.4	130.6	17.75	8.357	
3,000.0	2,908.6	3,007.8	2,941.3	14.7	12.6	155.15	334.8	-428.1	152.7	134.2	18.52	8.245	
3,100.0	3,004.6	3,107.7	3,038.1	15.3	13.1	154.90	349.7	-447.9	157.0	137.7	19.29	8.141	
3,200.0	3,100.5	3,207.6	3,134.9	15.9	13.7	154.66	364.6	-467.7	161.4	141.3	20.06	8.044	
3,300.0	3,196.5	3,307.5	3,231.7	16.5	14.2	154.43	379.4	-487.5	165.7	144.9	20.83	7.954	
3,400.0	3,292.4	3,407.4	3,328.5	17.1	14.7	154.21	394.3	-507.3	170.0	148.4	21.61	7.870	
3,500.0	3,388.4	3,507.3	3,425.2	17.7	15.3	154.00	409.2	-527.1	174.4	152.0	22.38	7.790	
3,600.0	3,484.3	3,607.2	3,522.0	18.3	15.8	153.81	424.1	-546.9	178.7	155.6	23.16	7.716	
3,700.0	3,580.3	3,707.1	3,618.8	18.9	16.3	153.62	438.9	-566.7	183.1	159.1	23.94	7.646	
3,800.0	3,676.2	3,807.0	3,715.6	19.5	16.8	153.44	453.8	-586.4	187.4	162.7	24.72	7.580	
3,900.0	3,772.2	3,906.9	3,812.4	20.1	17.4	153.27	468.7	-606.2	191.7	166.2	25.50	7.518	
4,000.0	3,868.1	4,006.8	3,909.2	20.7	17.9	153.11	483.6	-626.0	196.1	169.8	26.29	7.459	
4,100.0	3,964.1	4,106.7	4,006.0	21.3	18.4	152.95	498.4	-645.8	200.4	173.4	27.07	7.404	
4,200.0	4,060.0	4,206.6	4,102.8	21.9	18.9	152.81	513.3	-665.6	204.8	176.9	27.86	7.351	
4,300.0	4,156.0	4,306.5	4,199.5	22.5	19.5	152.66	528.2	-685.4	209.1	180.5	28.65	7.301	
4,400.0	4,251.9	4,406.4	4,296.3	23.1	20.0	152.53	543.1	-705.2	213.5	184.1	29.43	7.254	
4,500.0	4,347.9	4,506.3	4,393.1	23.7	20.5	152.39	557.9	-725.0	217.9	187.6	30.22	7.208	
4,600.0	4,443.8	4,606.2	4,489.9	24.3	21.1	152.27	572.8	-744.8	222.2	191.2	31.01	7.165	
4,700.0	4,539.8	4,706.1	4,586.7	24.9	21.6	152.15	587.7	-764.6	226.6	194.8	31.80	7.124	
4,800.0	4,635.7	4,806.0	4,683.5	25.5	22.1	152.03	602.6	-784.4	230.9	198.3	32.59	7.085	
4,900.0	4,731.7	4,905.9	4,780.3	26.1	22.6	151.92	617.4	-804.2	235.3	201.9	33.39	7.047	
5,000.0	4,827.6	5,005.8	4,877.1	26.7	23.2	151.81	632.3	-823.9	239.6	205.5	34.18	7.012	
5,100.0	4,923.6	5,105.7	4,973.8	27.3	23.7	151.70	647.2	-843.7	244.0	209.0	34.97	6.977	

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 Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design												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	5,019.5	5,205.6	5,070.6	27.9	24.2	151.60	662.1	-863.5	248.4	212.6	35.76	6.944	
5,300.0	5,115.5	5,305.5	5,167.4	28.5	24.8	151.51	677.0	-883.3	252.7	216.2	36.56	6.913	
5,400.0	5,211.4	5,405.4	5,264.2	29.1	25.3	151.41	691.8	-903.1	257.1	219.7	37.35	6.882	
5,500.0	5,307.4	5,505.4	5,361.0	29.7	25.8	151.32	706.7	-922.9	261.4	223.3	38.15	6.853	
5,600.0	5,403.3	5,605.3	5,457.8	30.3	26.3	151.23	721.6	-942.7	265.8	226.9	38.94	6.825	
5,700.0	5,499.3	5,705.2	5,554.6	30.9	26.9	151.15	736.5	-962.5	270.2	230.4	39.74	6.798	
5,800.0	5,595.2	5,805.1	5,651.4	31.5	27.4	151.07	751.3	-982.3	274.5	234.0	40.54	6.772	
5,900.0	5,691.2	5,905.0	5,748.1	32.1	27.9	150.99	766.2	-1,002.1	278.9	237.6	41.33	6.747	
6,000.0	5,787.1	6,004.9	5,844.9	32.7	28.5	150.91	781.1	-1,021.9	283.3	241.1	42.13	6.723	
6,100.0	5,883.1	6,104.8	5,941.7	33.3	29.0	150.83	796.0	-1,041.7	287.6	244.7	42.93	6.700	
6,200.0	5,979.0	6,204.7	6,038.5	33.9	29.5	150.76	810.8	-1,061.4	292.0	248.3	43.73	6.678	
6,300.0	6,075.0	6,304.6	6,135.3	34.5	30.0	150.69	825.7	-1,081.2	296.4	251.8	44.53	6.656	
6,400.0	6,170.9	6,404.5	6,232.1	35.0	30.6	150.62	840.6	-1,101.0	300.7	255.4	45.32	6.636	
6,500.0	6,267.5	6,504.1	6,329.3	35.5	31.0	179.35	847.9	-1,121.0	305.1	259.5	45.64	6.686	
6,600.0	6,364.2	6,603.7	6,426.5	35.9	31.2	-151.20	841.3	-1,141.2	309.5	263.9	45.66	6.779	
6,700.0	6,459.0	6,703.2	6,521.8	36.1	31.4	-131.83	821.1	-1,161.3	313.8	268.4	45.44	6.906	
6,800.0	6,550.2	6,802.8	6,613.4	36.2	31.4	-120.60	787.6	-1,180.7	318.0	272.9	45.03	7.061	
6,900.0	6,635.9	6,902.3	6,699.5	36.3	31.4	-113.80	741.5	-1,199.3	321.8	277.3	44.49	7.234	
7,000.0	6,714.5	7,001.8	6,778.5	36.2	31.2	-109.42	683.6	-1,216.5	325.4	281.5	43.88	7.415	
7,100.0	6,784.5	7,101.3	6,848.8	36.1	31.0	-106.45	615.0	-1,232.1	328.5	285.2	43.27	7.592	
7,200.0	6,844.5	7,200.8	6,909.1	36.0	30.8	-104.40	537.2	-1,245.8	331.2	288.5	42.74	7.749	
7,300.0	6,893.4	7,300.3	6,958.3	35.8	30.5	-102.99	451.5	-1,257.3	333.4	291.0	42.35	7.872	
7,400.0	6,930.1	7,400.0	6,995.4	35.6	30.2	-102.05	359.5	-1,266.4	335.0	292.8	42.15	7.947	
7,500.0	6,954.0	7,499.6	7,019.6	35.4	29.9	-101.51	263.2	-1,272.9	336.0	293.8	42.20	7.963	
7,600.0	6,964.5	7,599.2	7,030.5	35.1	29.7	-101.31	164.3	-1,276.7	336.4	293.9	42.50	7.916	
7,700.0	6,964.1	7,699.1	7,030.1	35.0	29.5	-101.31	64.5	-1,278.2	336.4	293.4	42.98	7.825	
7,800.0	6,962.7	7,799.1	7,028.4	34.8	29.3	-101.28	-35.5	-1,279.4	336.2	292.5	43.73	7.689	
7,900.0	6,961.2	7,899.1	7,026.8	34.8	29.3	-101.25	-135.5	-1,280.7	336.1	291.3	44.77	7.507	
8,000.0	6,959.8	7,999.1	7,025.2	34.8	29.4	-101.23	-235.5	-1,281.9	336.0	289.9	46.11	7.287	
8,100.0	6,958.3	8,099.1	7,023.5	35.0	29.6	-101.20	-335.4	-1,283.1	335.8	288.1	47.70	7.040	
8,200.0	6,956.9	8,199.1	7,021.9	35.2	30.0	-101.17	-435.4	-1,284.3	335.7	286.2	49.53	6.777	
8,300.0	6,955.4	8,299.1	7,020.3	35.6	30.6	-101.14	-535.4	-1,285.5	335.6	284.0	51.58	6.506	
8,400.0	6,954.0	8,399.1	7,018.6	36.1	31.3	-101.12	-635.4	-1,286.8	335.4	281.6	53.81	6.234	
8,500.0	6,952.5	8,499.1	7,017.0	36.7	32.2	-101.09	-735.3	-1,288.0	335.3	279.1	56.20	5.966	
8,600.0	6,951.1	8,599.1	7,015.4	37.4	33.2	-101.06	-835.3	-1,289.2	335.2	276.4	58.74	5.706	
8,700.0	6,949.6	8,699.1	7,013.7	38.2	34.3	-101.03	-935.3	-1,290.4	335.1	273.6	61.41	5.456	
8,800.0	6,948.2	8,799.1	7,012.1	39.2	35.5	-101.01	-1,035.3	-1,291.7	334.9	270.7	64.19	5.218	
8,900.0	6,946.7	8,899.1	7,010.5	40.2	36.8	-100.98	-1,135.3	-1,292.9	334.8	267.7	67.07	4.992	
9,000.0	6,945.3	8,999.1	7,008.8	41.4	38.2	-100.95	-1,235.2	-1,294.1	334.7	264.6	70.03	4.779	
9,100.0	6,943.8	9,099.1	7,007.2	42.6	39.6	-100.92	-1,335.2	-1,295.3	334.5	261.5	73.07	4.578	
9,200.0	6,942.4	9,199.1	7,005.6	43.9	41.1	-100.89	-1,435.2	-1,296.5	334.4	258.2	76.18	4.390	
9,300.0	6,940.9	9,299.1	7,004.0	45.2	42.6	-100.87	-1,535.2	-1,297.8	334.3	254.9	79.34	4.213	
9,400.0	6,939.5	9,399.1	7,002.3	46.6	44.1	-100.84	-1,635.2	-1,299.0	334.2	251.6	82.56	4.047	
9,500.0	6,938.0	9,499.1	7,000.7	48.1	45.6	-100.81	-1,735.1	-1,300.2	334.0	248.2	85.82	3.892	
9,600.0	6,936.6	9,599.1	6,999.1	49.6	47.2	-100.78	-1,835.1	-1,301.4	333.9	244.8	89.13	3.746	
9,700.0	6,935.1	9,699.1	6,997.4	51.1	48.9	-100.76	-1,935.1	-1,302.6	333.8	241.3	92.47	3.610	
9,800.0	6,933.7	9,799.1	6,995.8	52.6	50.5	-100.73	-2,035.1	-1,303.9	333.6	237.8	95.84	3.481	
9,900.0	6,932.2	9,899.1	6,994.2	54.2	52.1	-100.70	-2,135.1	-1,305.1	333.5	234.3	99.25	3.361	
10,000.0	6,930.8	9,999.1	6,992.5	55.8	53.8	-100.67	-2,235.0	-1,306.3	333.4	230.7	102.68	3.247	
10,100.0	6,929.4	10,099.1	6,990.9	57.4	55.5	-100.64	-2,335.0	-1,307.5	333.3	227.1	106.13	3.140	
10,200.0	6,927.9	10,199.1	6,989.3	59.0	57.2	-100.62	-2,435.0	-1,308.8	333.1	223.5	109.61	3.039	
10,300.0	6,926.5	10,299.1	6,987.6	60.7	58.9	-100.59	-2,535.0	-1,310.0	333.0	219.9	113.11	2.944	

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 Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design Holton 12-C Pad Sec.12-T6N-R65W - Holton G-12HN - Wellbore #1 - Plan #1 (4-01-14)												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	
10,400.0	6,925.0	10,399.1	6,986.0	62.3	60.6	-100.56	-2,634.9	-1,311.2	332.9	216.3	116.62	2.854	
10,500.0	6,923.6	10,499.1	6,984.4	64.0	62.4	-100.53	-2,734.9	-1,312.4	332.7	212.6	120.16	2.769	
10,600.0	6,922.1	10,599.1	6,982.7	65.7	64.1	-100.50	-2,834.9	-1,313.6	332.6	208.9	123.70	2.689	
10,700.0	6,920.7	10,699.1	6,981.1	67.4	65.9	-100.48	-2,934.9	-1,314.9	332.5	205.2	127.27	2.613	
10,800.0	6,919.2	10,799.1	6,979.5	69.1	67.7	-100.45	-3,034.9	-1,316.1	332.4	201.5	130.84	2.540	
10,900.0	6,917.8	10,899.1	6,977.8	70.9	69.4	-100.42	-3,134.8	-1,317.3	332.2	197.8	134.43	2.471	
11,000.0	6,916.3	10,999.1	6,976.2	72.6	71.2	-100.39	-3,234.8	-1,318.5	332.1	194.1	138.03	2.406	
11,100.0	6,914.9	11,099.1	6,974.6	74.4	73.0	-100.36	-3,334.8	-1,319.7	332.0	190.3	141.64	2.344	
11,200.0	6,913.4	11,199.1	6,972.9	76.1	74.8	-100.34	-3,434.8	-1,321.0	331.9	186.6	145.26	2.285	
11,300.0	6,912.0	11,299.1	6,971.3	77.9	76.6	-100.31	-3,534.8	-1,322.2	331.7	182.8	148.89	2.228	
11,400.0	6,910.5	11,399.1	6,969.7	79.7	78.4	-100.28	-3,634.7	-1,323.4	331.6	179.1	152.52	2.174	
11,500.0	6,909.1	11,499.1	6,968.0	81.4	80.2	-100.25	-3,734.7	-1,324.6	331.5	175.3	156.17	2.123	
11,600.0	6,907.6	11,599.1	6,966.4	83.2	82.0	-100.22	-3,834.7	-1,325.9	331.3	171.5	159.82	2.073	
11,700.0	6,906.2	11,699.1	6,964.8	85.0	83.8	-100.20	-3,934.7	-1,327.1	331.2	167.7	163.48	2.026	
11,800.0	6,904.7	11,799.1	6,963.2	86.8	85.7	-100.17	-4,034.7	-1,328.3	331.1	164.0	167.14	1.981	
11,900.0	6,903.3	11,899.1	6,961.5	88.6	87.5	-100.14	-4,134.6	-1,329.5	331.0	160.2	170.81	1.938	
11,988.0	6,902.0	11,986.8	6,960.1	90.2	89.1	-100.11	-4,222.3	-1,330.5	330.9	156.9	174.04	1.901 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design													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	91.75	-1.1	35.9	35.9					
100.0	100.0	100.0	100.0	0.1	0.1	91.75	-1.1	35.9	35.9	35.7	0.22	159.675		
200.0	200.0	200.0	200.0	0.3	0.3	91.75	-1.1	35.9	35.9	35.2	0.67	53.225 CC, ES		
300.0	300.0	300.0	300.0	0.6	0.6	151.80	-1.1	35.9	37.4	36.3	1.12	33.284		
400.0	399.8	399.8	399.8	0.8	0.8	155.13	-1.1	35.9	42.1	40.5	1.58	26.677		
500.0	499.5	499.5	499.5	1.0	1.0	159.26	-1.1	35.9	50.1	48.1	2.04	24.612		
600.0	598.7	598.7	598.7	1.3	1.2	163.20	-1.1	35.9	61.7	59.2	2.50	24.686		
700.0	697.5	699.8	699.8	1.7	1.5	165.97	0.1	34.6	75.3	72.4	2.96	25.474		
800.0	795.6	801.4	801.3	2.0	1.7	167.37	3.9	30.8	89.3	85.8	3.41	26.174		
900.0	893.1	903.5	902.9	2.5	1.9	167.93	10.2	24.5	103.4	99.6	3.88	26.678		
1,000.0	989.6	1,006.0	1,004.7	3.0	2.2	167.94	19.1	15.5	117.8	113.4	4.36	26.998		
1,100.0	1,085.6	1,109.2	1,106.5	3.5	2.5	167.51	30.7	3.8	131.2	126.3	4.89	26.841		
1,200.0	1,181.6	1,213.1	1,208.4	4.1	2.9	166.50	44.9	-10.6	141.5	136.0	5.45	25.939		
1,300.0	1,277.5	1,313.8	1,306.7	4.7	3.3	165.21	60.5	-26.3	149.5	143.4	6.05	24.689		
1,400.0	1,373.5	1,413.4	1,403.8	5.3	3.7	164.04	75.9	-41.9	157.5	150.8	6.68	23.575		
1,500.0	1,469.4	1,513.1	1,501.0	5.8	4.1	162.98	91.4	-57.6	165.5	158.2	7.33	22.589		
1,600.0	1,565.4	1,612.7	1,598.2	6.4	4.5	162.02	106.9	-73.2	173.6	165.6	7.99	21.731		
1,700.0	1,661.3	1,712.3	1,695.4	7.0	5.0	161.15	122.4	-88.8	181.8	173.1	8.67	20.963		
1,800.0	1,757.3	1,812.0	1,792.5	7.6	5.4	160.35	137.9	-104.5	190.0	180.6	9.37	20.281		
1,900.0	1,853.2	1,911.6	1,889.7	8.2	5.9	159.62	153.3	-120.1	198.2	188.1	10.07	19.674		
2,000.0	1,949.2	2,011.2	1,986.9	8.8	6.3	158.95	168.8	-135.7	206.4	195.7	10.79	19.130		
2,100.0	2,045.1	2,110.9	2,084.0	9.4	6.8	158.33	184.3	-151.4	214.7	203.2	11.52	18.641		
2,200.0	2,141.1	2,210.5	2,181.2	10.0	7.2	157.75	199.8	-167.0	223.0	210.8	12.25	18.200		
2,300.0	2,237.0	2,310.1	2,278.4	10.6	7.7	157.22	215.3	-182.6	231.3	218.3	13.00	17.800		
2,400.0	2,332.9	2,409.8	2,375.6	11.2	8.2	156.72	230.7	-198.3	239.7	225.9	13.75	17.437		
2,500.0	2,428.9	2,509.4	2,472.7	11.8	8.6	156.26	246.2	-213.9	248.0	233.5	14.50	17.105		
2,600.0	2,524.8	2,609.0	2,569.9	12.4	9.1	155.82	261.7	-229.5	256.4	241.1	15.26	16.802		
2,700.0	2,620.8	2,708.6	2,667.1	13.0	9.6	155.42	277.2	-245.2	264.8	248.8	16.03	16.523		
2,800.0	2,716.7	2,808.3	2,764.3	13.6	10.0	155.03	292.7	-260.8	273.2	256.4	16.79	16.267		
2,900.0	2,812.7	2,907.9	2,861.4	14.1	10.5	154.68	308.1	-276.4	281.6	264.0	17.57	16.030		
3,000.0	2,908.6	3,007.5	2,958.6	14.7	11.0	154.34	323.6	-292.1	290.0	271.7	18.34	15.810		
3,100.0	3,004.6	3,107.2	3,055.8	15.3	11.5	154.02	339.1	-307.7	298.4	279.3	19.12	15.607		
3,200.0	3,100.5	3,206.8	3,152.9	15.9	11.9	153.72	354.6	-323.3	306.9	287.0	19.90	15.418		
3,300.0	3,196.5	3,306.4	3,250.1	16.5	12.4	153.43	370.1	-339.0	315.3	294.6	20.69	15.241		
3,400.0	3,292.4	3,406.1	3,347.3	17.1	12.9	153.16	385.5	-354.6	323.8	302.3	21.48	15.076		
3,500.0	3,388.4	3,505.7	3,444.5	17.7	13.3	152.91	401.0	-370.2	332.2	310.0	22.26	14.922		
3,600.0	3,484.3	3,605.3	3,541.6	18.3	13.8	152.67	416.5	-385.9	340.7	317.6	23.06	14.777		
3,700.0	3,580.3	3,705.0	3,638.8	18.9	14.3	152.43	432.0	-401.5	349.2	325.3	23.85	14.640		
3,800.0	3,676.2	3,804.6	3,736.0	19.5	14.8	152.21	447.5	-417.1	357.6	333.0	24.64	14.512		
3,900.0	3,772.2	3,904.2	3,833.1	20.1	15.2	152.00	462.9	-432.8	366.1	340.7	25.44	14.391		
4,000.0	3,868.1	4,003.8	3,930.3	20.7	15.7	151.80	478.4	-448.4	374.6	348.4	26.24	14.277		
4,100.0	3,964.1	4,103.5	4,027.5	21.3	16.2	151.61	493.9	-464.0	383.1	356.0	27.04	14.169		
4,200.0	4,060.0	4,203.1	4,124.7	21.9	16.7	151.43	509.4	-479.7	391.6	363.7	27.84	14.067		
4,300.0	4,156.0	4,302.7	4,221.8	22.5	17.1	151.25	524.9	-495.3	400.1	371.4	28.64	13.970		
4,400.0	4,251.9	4,402.4	4,319.0	23.1	17.6	151.08	540.3	-510.9	408.6	379.1	29.44	13.878		
4,500.0	4,347.9	4,502.0	4,416.2	23.7	18.1	150.92	555.8	-526.6	417.1	386.8	30.24	13.790		
4,600.0	4,443.8	4,601.6	4,513.3	24.3	18.5	150.76	571.3	-542.2	425.6	394.5	31.05	13.707		
4,700.0	4,539.8	4,701.3	4,610.5	24.9	19.0	150.61	586.8	-557.8	434.1	402.2	31.85	13.627		
4,800.0	4,635.7	4,800.9	4,707.7	25.5	19.5	150.47	602.3	-573.5	442.6	409.9	32.66	13.552		
4,900.0	4,731.7	4,900.5	4,804.9	26.1	20.0	150.33	617.7	-589.1	451.1	417.7	33.47	13.479		
5,000.0	4,827.6	5,000.2	4,902.0	26.7	20.4	150.20	633.2	-604.7	459.6	425.4	34.28	13.410		
5,100.0	4,923.6	5,099.8	4,999.2	27.3	20.9	150.07	648.7	-620.4	468.2	433.1	35.08	13.344		

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 Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design													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	5,019.5	5,199.4	5,096.4	27.9	21.4	149.95	664.2	-636.0	476.7	440.8	35.89	13.280		
5,300.0	5,115.5	5,299.0	5,193.5	28.5	21.9	149.83	679.7	-651.6	485.2	448.5	36.70	13.220		
5,400.0	5,211.4	5,398.7	5,290.7	29.1	22.3	149.71	695.1	-667.3	493.7	456.2	37.51	13.161		
5,500.0	5,307.4	5,498.3	5,387.9	29.7	22.8	149.60	710.6	-682.9	502.3	463.9	38.33	13.105		
5,600.0	5,403.3	5,597.9	5,485.1	30.3	23.3	149.50	726.1	-698.5	510.8	471.7	39.14	13.052		
5,700.0	5,499.3	5,697.6	5,582.2	30.9	23.8	149.39	741.6	-714.2	519.3	479.4	39.95	13.000		
5,800.0	5,595.2	5,797.2	5,679.4	31.5	24.2	149.29	757.1	-729.8	527.9	487.1	40.76	12.950		
5,900.0	5,691.2	5,896.8	5,776.6	32.1	24.7	149.19	772.5	-745.4	536.4	494.8	41.57	12.902		
6,000.0	5,787.1	5,996.5	5,873.7	32.7	25.2	149.10	788.0	-761.1	544.9	502.5	42.39	12.856		
6,100.0	5,883.1	6,096.1	5,970.9	33.3	25.7	149.01	803.5	-776.7	553.5	510.3	43.20	12.811		
6,200.0	5,979.0	6,195.7	6,068.1	33.9	26.1	148.92	819.0	-792.3	562.0	518.0	44.02	12.769		
6,300.0	6,075.0	6,295.7	6,165.6	34.5	26.6	148.87	834.1	-808.0	570.5	525.7	44.80	12.735		
6,400.0	6,170.9	6,395.8	6,264.2	35.0	26.9	149.82	839.4	-824.0	579.0	534.0	44.97	12.875		
6,500.0	6,267.5	6,493.1	6,359.8	35.5	27.1	-179.64	831.1	-839.8	587.8	543.5	44.28	13.275		
6,600.0	6,364.2	6,588.4	6,451.5	35.9	27.1	-148.45	810.3	-855.0	597.0	553.5	43.42	13.749		
6,700.0	6,459.0	6,682.0	6,538.0	36.1	27.1	-127.44	778.1	-869.6	606.3	563.8	42.51	14.262		
6,800.0	6,550.2	6,773.9	6,618.3	36.2	26.9	-114.70	735.6	-883.4	615.6	574.0	41.64	14.784		
6,900.0	6,635.9	6,864.5	6,691.5	36.3	26.7	-106.54	683.8	-896.1	624.5	583.7	40.85	15.288		
7,000.0	6,714.5	6,954.0	6,756.9	36.2	26.5	-100.95	623.9	-907.6	632.9	592.7	40.19	15.748		
7,100.0	6,784.5	7,042.4	6,813.8	36.1	26.2	-96.95	557.0	-917.9	640.4	600.7	39.67	16.142		
7,200.0	6,844.5	7,130.1	6,861.7	36.0	25.8	-94.03	484.1	-926.7	646.9	607.5	39.33	16.449		
7,300.0	6,893.4	7,217.2	6,900.2	35.8	25.5	-91.93	406.4	-934.2	652.2	613.0	39.17	16.649		
7,400.0	6,930.1	7,303.9	6,929.0	35.6	25.2	-90.50	325.0	-940.0	656.2	616.9	39.22	16.728		
7,500.0	6,954.0	7,390.3	6,947.8	35.4	24.9	-89.64	240.8	-944.3	658.7	619.2	39.50	16.677		
7,600.0	6,964.5	7,476.5	6,956.5	35.1	24.6	-89.31	155.1	-947.0	659.8	619.8	39.99	16.500		
7,700.0	6,964.1	7,569.9	6,956.2	35.0	24.3	-89.31	61.7	-948.3	659.8	619.4	40.33	16.358		
7,800.0	6,962.7	7,669.9	6,954.6	34.8	24.2	-89.30	-38.3	-949.5	659.7	618.8	40.91	16.126		
7,900.0	6,961.2	7,769.9	6,953.1	34.8	24.1	-89.29	-138.2	-950.8	659.6	617.7	41.88	15.749		
8,000.0	6,959.8	7,869.9	6,951.5	34.8	24.3	-89.28	-238.2	-952.0	659.5	616.3	43.18	15.272		
8,100.0	6,958.3	7,969.9	6,949.9	35.0	24.8	-89.27	-338.2	-953.2	659.4	614.6	44.77	14.728		
8,200.0	6,956.9	8,069.9	6,948.4	35.2	25.5	-89.26	-438.2	-954.4	659.3	612.7	46.63	14.141		
8,300.0	6,955.4	8,169.9	6,946.8	35.6	26.4	-89.25	-538.2	-955.6	659.3	610.5	48.71	13.534		
8,400.0	6,954.0	8,269.9	6,945.3	36.1	27.4	-89.24	-638.1	-956.8	659.2	608.2	51.00	12.925		
8,500.0	6,952.5	8,369.9	6,943.7	36.7	28.6	-89.23	-738.1	-958.0	659.1	605.6	53.47	12.327		
8,600.0	6,951.1	8,469.9	6,942.1	37.4	29.9	-89.22	-838.1	-959.2	659.0	602.9	56.09	11.750		
8,700.0	6,949.6	8,569.9	6,940.6	38.2	31.2	-89.21	-938.1	-960.5	658.9	600.1	58.84	11.199		
8,800.0	6,948.2	8,669.9	6,939.0	39.2	32.6	-89.20	-1,038.1	-961.7	658.8	597.1	61.71	10.677		
8,900.0	6,946.7	8,769.9	6,937.4	40.2	34.1	-89.19	-1,138.0	-962.9	658.7	594.1	64.68	10.185		
9,000.0	6,945.3	8,869.9	6,935.9	41.4	35.6	-89.18	-1,238.0	-964.1	658.7	590.9	67.73	9.724		
9,100.0	6,943.8	8,969.9	6,934.3	42.6	37.1	-89.17	-1,338.0	-965.3	658.6	587.7	70.86	9.294		
9,200.0	6,942.4	9,069.9	6,932.8	43.9	38.7	-89.16	-1,438.0	-966.5	658.5	584.4	74.06	8.891		
9,300.0	6,940.9	9,169.9	6,931.2	45.2	40.3	-89.15	-1,538.0	-967.7	658.4	581.1	77.32	8.516		
9,400.0	6,939.5	9,269.9	6,929.6	46.6	41.9	-89.14	-1,637.9	-968.9	658.3	577.7	80.62	8.165		
9,500.0	6,938.0	9,369.9	6,928.1	48.1	43.6	-89.13	-1,737.9	-970.1	658.2	574.3	83.98	7.838		
9,600.0	6,936.6	9,469.9	6,926.5	49.6	45.2	-89.12	-1,837.9	-971.4	658.2	570.8	87.37	7.533		
9,700.0	6,935.1	9,569.9	6,924.9	51.1	46.9	-89.11	-1,937.9	-972.6	658.1	567.3	90.79	7.248		
9,800.0	6,933.7	9,669.9	6,923.4	52.6	48.6	-89.10	-2,037.9	-973.8	658.0	563.7	94.25	6.981		
9,900.0	6,932.2	9,769.9	6,921.8	54.2	50.3	-89.09	-2,137.8	-975.0	657.9	560.2	97.74	6.731		
10,000.0	6,930.8	9,869.9	6,920.3	55.8	52.1	-89.08	-2,237.8	-976.2	657.8	556.6	101.25	6.497		
10,100.0	6,929.4	9,969.9	6,918.7	57.4	53.8	-89.07	-2,337.8	-977.4	657.7	553.0	104.79	6.277		
10,200.0	6,927.9	10,069.9	6,917.1	59.0	55.6	-89.06	-2,437.8	-978.6	657.7	549.3	108.34	6.070		
10,300.0	6,926.5	10,169.9	6,915.6	60.7	57.3	-89.05	-2,537.8	-979.8	657.6	545.7	111.91	5.876		

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 Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design Holton 12-C Pad Sec.12-T6N-R65W - Holton H-12HN - Wellbore #1 - Plan #1 (4-01-14)												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	
10,400.0	6,925.0	10,269.9	6,914.0	62.3	59.1	-89.04	-2,637.8	-981.1	657.5	542.0	115.50	5.692	
10,500.0	6,923.6	10,369.9	6,912.4	64.0	60.9	-89.03	-2,737.7	-982.3	657.4	538.3	119.11	5.519	
10,600.0	6,922.1	10,469.9	6,910.9	65.7	62.7	-89.02	-2,837.7	-983.5	657.3	534.6	122.73	5.356	
10,700.0	6,920.7	10,569.9	6,909.3	67.4	64.4	-89.01	-2,937.7	-984.7	657.2	530.9	126.36	5.201	
10,800.0	6,919.2	10,669.9	6,907.8	69.1	66.2	-89.00	-3,037.7	-985.9	657.1	527.1	130.00	5.055	
10,900.0	6,917.8	10,769.9	6,906.2	70.9	68.1	-88.99	-3,137.7	-987.1	657.1	523.4	133.66	4.916	
11,000.0	6,916.3	10,869.9	6,904.6	72.6	69.9	-88.98	-3,237.6	-988.3	657.0	519.7	137.32	4.784	
11,100.0	6,914.9	10,969.9	6,903.1	74.4	71.7	-88.97	-3,337.6	-989.5	656.9	515.9	141.00	4.659	
11,200.0	6,913.4	11,069.9	6,901.5	76.1	73.5	-88.96	-3,437.6	-990.7	656.8	512.1	144.68	4.540	
11,300.0	6,912.0	11,169.9	6,899.9	77.9	75.3	-88.95	-3,537.6	-992.0	656.7	508.4	148.37	4.426	
11,400.0	6,910.5	11,269.9	6,898.4	79.7	77.2	-88.94	-3,637.6	-993.2	656.6	504.6	152.06	4.318	
11,500.0	6,909.1	11,369.9	6,896.8	81.4	79.0	-88.93	-3,737.5	-994.4	656.6	500.8	155.77	4.215	
11,600.0	6,907.6	11,469.9	6,895.3	83.2	80.8	-88.92	-3,837.5	-995.6	656.5	497.0	159.48	4.116	
11,700.0	6,906.2	11,569.9	6,893.7	85.0	82.7	-88.91	-3,937.5	-996.8	656.4	493.2	163.19	4.022	
11,800.0	6,904.7	11,669.9	6,892.1	86.8	84.5	-88.90	-4,037.5	-998.0	656.3	489.4	166.91	3.932	
11,900.0	6,903.3	11,769.9	6,890.6	88.6	86.4	-88.89	-4,137.5	-999.2	656.2	485.6	170.64	3.846	
11,988.0	6,902.0	11,857.9	6,889.2	90.2	88.0	-88.88	-4,225.4	-1,000.3	656.2	482.2	173.92	3.773 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design													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	91.55	-1.5	53.9	54.0					
100.0	100.0	100.0	100.0	0.1	0.1	91.55	-1.5	53.9	54.0	53.7	0.22	240.108		
200.0	200.0	200.0	200.0	0.3	0.3	91.55	-1.5	53.9	54.0	53.3	0.67	80.036 CC, ES		
300.0	300.0	300.0	300.0	0.6	0.6	151.18	-1.5	53.9	55.5	54.4	1.12	49.362		
400.0	399.8	399.8	399.8	0.8	0.8	153.54	-1.5	53.9	60.1	58.6	1.58	38.105		
500.0	499.5	499.5	499.5	1.0	1.0	156.75	-1.5	53.9	68.0	66.0	2.04	33.397		
600.0	598.7	598.7	598.7	1.3	1.2	160.14	-1.5	53.9	79.4	76.9	2.50	31.749		
700.0	697.5	697.5	697.5	1.7	1.5	163.28	-1.5	53.9	94.3	91.3	2.97	31.783		
800.0	795.6	795.6	795.6	2.0	1.7	165.98	-1.5	53.9	112.7	109.3	3.43	32.830		
900.0	893.1	896.7	896.7	2.5	1.9	167.87	-0.1	53.0	133.4	129.5	3.90	34.207		
1,000.0	989.6	998.6	998.4	3.0	2.1	168.72	4.2	50.0	154.7	150.3	4.37	35.434		
1,100.0	1,085.6	1,101.3	1,100.7	3.5	2.4	168.88	11.6	44.9	175.4	170.5	4.86	36.108		
1,200.0	1,181.6	1,205.1	1,203.8	4.1	2.6	168.37	22.1	37.7	193.2	187.8	5.38	35.926		
1,300.0	1,277.5	1,309.9	1,307.2	4.7	2.9	167.34	35.8	28.2	208.1	202.2	5.93	35.077		
1,400.0	1,373.5	1,411.5	1,407.0	5.3	3.3	165.99	51.5	17.3	220.8	214.2	6.52	33.839		
1,500.0	1,469.4	1,510.6	1,504.3	5.8	3.6	164.77	67.2	6.5	233.2	226.1	7.14	32.676		
1,600.0	1,565.4	1,609.7	1,601.5	6.4	4.0	163.67	82.8	-4.4	245.8	238.0	7.77	31.621		
1,700.0	1,661.3	1,708.8	1,698.8	7.0	4.3	162.68	98.5	-15.2	258.5	250.0	8.43	30.674		
1,800.0	1,757.3	1,807.9	1,796.1	7.6	4.7	161.79	114.1	-26.0	271.2	262.1	9.09	29.816		
1,900.0	1,853.2	1,907.1	1,893.3	8.2	5.1	160.97	129.8	-36.8	283.9	274.2	9.78	29.041		
2,000.0	1,949.2	2,006.2	1,990.6	8.8	5.5	160.22	145.4	-47.7	296.8	286.3	10.47	28.340		
2,100.0	2,045.1	2,105.3	2,087.8	9.4	5.9	159.54	161.1	-58.5	309.6	298.5	11.18	27.705		
2,200.0	2,141.1	2,204.4	2,185.1	10.0	6.3	158.91	176.7	-69.3	322.6	310.7	11.89	27.129		
2,300.0	2,237.0	2,303.5	2,282.4	10.6	6.7	158.33	192.3	-80.1	335.5	322.9	12.61	26.604		
2,400.0	2,332.9	2,402.6	2,379.6	11.2	7.1	157.79	208.0	-90.9	348.5	335.2	13.34	26.124		
2,500.0	2,428.9	2,501.7	2,476.9	11.8	7.5	157.29	223.6	-101.8	361.5	347.4	14.07	25.685		
2,600.0	2,524.8	2,600.8	2,574.1	12.4	7.9	156.82	239.3	-112.6	374.5	359.7	14.81	25.282		
2,700.0	2,620.8	2,699.9	2,671.4	13.0	8.3	156.39	254.9	-123.4	387.6	372.0	15.56	24.912		
2,800.0	2,716.7	2,799.0	2,768.7	13.6	8.7	155.98	270.6	-134.2	400.7	384.4	16.31	24.570		
2,900.0	2,812.7	2,898.1	2,865.9	14.1	9.1	155.60	286.2	-145.1	413.8	396.7	17.06	24.253		
3,000.0	2,908.6	2,997.2	2,963.2	14.7	9.5	155.25	301.9	-155.9	426.9	409.1	17.82	23.960		
3,100.0	3,004.6	3,096.3	3,060.4	15.3	10.0	154.91	317.5	-166.7	440.0	421.4	18.58	23.687		
3,200.0	3,100.5	3,195.4	3,157.7	15.9	10.4	154.60	333.1	-177.5	453.1	433.8	19.34	23.433		
3,300.0	3,196.5	3,294.5	3,255.0	16.5	10.8	154.30	348.8	-188.3	466.3	446.2	20.10	23.196		
3,400.0	3,292.4	3,393.6	3,352.2	17.1	11.2	154.02	364.4	-199.2	479.5	458.6	20.87	22.975		
3,500.0	3,388.4	3,492.7	3,449.5	17.7	11.6	153.75	380.1	-210.0	492.6	471.0	21.64	22.767		
3,600.0	3,484.3	3,591.8	3,546.7	18.3	12.0	153.50	395.7	-220.8	505.8	483.4	22.41	22.572		
3,700.0	3,580.3	3,690.9	3,644.0	18.9	12.4	153.26	411.4	-231.6	519.0	495.8	23.18	22.389		
3,800.0	3,676.2	3,790.0	3,741.3	19.5	12.9	153.03	427.0	-242.5	532.2	508.3	23.96	22.216		
3,900.0	3,772.2	3,889.1	3,838.5	20.1	13.3	152.81	442.7	-253.3	545.4	520.7	24.73	22.053		
4,000.0	3,868.1	3,988.2	3,935.8	20.7	13.7	152.61	458.3	-264.1	558.7	533.2	25.51	21.900		
4,100.0	3,964.1	4,087.3	4,033.0	21.3	14.1	152.41	473.9	-274.9	571.9	545.6	26.29	21.754		
4,200.0	4,060.0	4,186.4	4,130.3	21.9	14.5	152.22	489.6	-285.7	585.1	558.1	27.07	21.616		
4,300.0	4,156.0	4,285.5	4,227.6	22.5	14.9	152.04	505.2	-296.6	598.4	570.5	27.85	21.485		
4,400.0	4,251.9	4,384.6	4,324.8	23.1	15.4	151.87	520.9	-307.4	611.6	583.0	28.63	21.361		
4,500.0	4,347.9	4,483.7	4,422.1	23.7	15.8	151.70	536.5	-318.2	624.9	595.4	29.41	21.243		
4,600.0	4,443.8	4,582.8	4,519.3	24.3	16.2	151.55	552.2	-329.0	638.1	607.9	30.20	21.130		
4,700.0	4,539.8	4,681.9	4,616.6	24.9	16.6	151.40	567.8	-339.9	651.4	620.4	30.98	21.023		
4,800.0	4,635.7	4,781.0	4,713.9	25.5	17.0	151.25	583.5	-350.7	664.6	632.9	31.77	20.921		
4,900.0	4,731.7	4,880.1	4,811.1	26.1	17.5	151.11	599.1	-361.5	677.9	645.4	32.56	20.823		
5,000.0	4,827.6	4,979.2	4,908.4	26.7	17.9	150.98	614.8	-372.3	691.2	657.8	33.34	20.730		
5,100.0	4,923.6	5,078.3	5,005.6	27.3	18.3	150.85	630.4	-383.2	704.5	670.3	34.13	20.641		

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 Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design												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	5,019.5	5,177.4	5,102.9	27.9	18.7	150.72	646.0	-394.0	717.7	682.8	34.92	20.555	
5,300.0	5,115.5	5,276.5	5,200.2	28.5	19.1	150.60	661.7	-404.8	731.0	695.3	35.71	20.473	
5,400.0	5,211.4	5,375.6	5,297.4	29.1	19.6	150.49	677.3	-415.6	744.3	707.8	36.50	20.394	
5,500.0	5,307.4	5,474.7	5,394.7	29.7	20.0	150.37	693.0	-426.4	757.6	720.3	37.29	20.319	
5,600.0	5,403.3	5,573.9	5,491.9	30.3	20.4	150.27	708.6	-437.3	770.9	732.8	38.08	20.246	
5,700.0	5,499.3	5,673.0	5,589.2	30.9	20.8	150.16	724.3	-448.1	784.2	745.3	38.87	20.176	
5,800.0	5,595.2	5,772.1	5,686.4	31.5	21.2	150.06	739.9	-458.9	797.5	757.8	39.66	20.109	
5,900.0	5,691.2	5,871.2	5,783.7	32.1	21.7	149.96	755.6	-469.7	810.8	770.3	40.45	20.044	
6,000.0	5,787.1	5,970.3	5,881.0	32.7	22.1	149.87	771.2	-480.6	824.1	782.8	41.24	19.982	
6,100.0	5,883.1	6,069.4	5,978.2	33.3	22.5	149.78	786.8	-491.4	837.4	795.3	42.03	19.921	
6,200.0	5,979.0	6,168.5	6,075.5	33.9	22.9	149.69	802.5	-502.2	850.7	807.8	42.83	19.863	
6,300.0	6,075.0	6,267.6	6,172.7	34.5	23.3	149.60	818.1	-513.0	864.0	820.4	43.62	19.807	
6,400.0	6,170.9	6,366.1	6,270.1	35.0	23.6	149.51	828.7	-523.9	877.3	833.1	44.17	19.863	
6,500.0	6,267.5	6,463.1	6,366.3	35.5	23.8	149.42	826.0	-534.9	890.8	847.0	43.85	20.315	
6,600.0	6,364.2	6,558.9	6,460.1	35.9	23.8	-149.38	810.6	-545.7	904.5	861.2	43.32	20.882	
6,700.0	6,459.0	6,653.5	6,549.9	36.1	23.7	-128.80	783.1	-556.3	918.0	875.4	42.65	21.522	
6,800.0	6,550.2	6,747.2	6,634.6	36.2	23.5	-116.44	744.3	-566.4	931.1	889.1	41.94	22.201	
6,900.0	6,635.9	6,840.1	6,712.8	36.3	23.3	-108.61	695.2	-576.0	943.4	902.1	41.22	22.884	
7,000.0	6,714.5	6,932.4	6,783.7	36.2	22.9	-103.31	636.8	-584.8	954.7	914.1	40.57	23.534	
7,100.0	6,784.5	7,024.2	6,846.1	36.1	22.6	-99.55	570.0	-592.8	964.8	924.8	40.01	24.114	
7,200.0	6,844.5	7,115.7	6,899.4	36.0	22.2	-96.83	496.1	-599.9	973.5	933.9	39.59	24.588	
7,300.0	6,893.4	7,207.0	6,942.7	35.8	21.8	-94.90	416.0	-605.9	980.5	941.2	39.34	24.922	
7,400.0	6,930.1	7,300.0	6,976.1	35.6	21.4	-93.59	329.5	-610.8	985.8	946.5	39.29	25.088	
7,500.0	6,954.0	7,389.3	6,997.5	35.4	21.0	-92.81	242.9	-614.4	989.3	949.8	39.48	25.060	
7,600.0	6,964.5	7,480.5	7,008.0	35.1	20.6	-92.53	152.4	-616.9	990.8	951.0	39.88	24.846	
7,700.0	6,964.1	7,575.9	7,008.4	35.0	20.3	-92.56	57.0	-618.2	990.9	950.6	40.30	24.584	
7,800.0	6,962.7	7,675.9	7,007.2	34.8	20.0	-92.57	-43.0	-619.4	990.8	949.8	40.98	24.174	
7,900.0	6,961.2	7,775.9	7,005.9	34.8	19.9	-92.59	-143.0	-620.6	990.7	948.7	42.01	23.580	
8,000.0	6,959.8	7,875.9	7,004.7	34.8	20.8	-92.60	-243.0	-621.9	990.6	947.3	43.36	22.844	
8,100.0	6,958.3	7,975.9	7,003.4	35.0	21.8	-92.61	-342.9	-623.1	990.5	945.5	45.00	22.012	
8,200.0	6,956.9	8,075.9	7,002.2	35.2	22.9	-92.62	-442.9	-624.3	990.5	943.6	46.89	21.122	
8,300.0	6,955.4	8,175.9	7,001.0	35.6	24.1	-92.64	-542.9	-625.5	990.4	941.4	49.01	20.206	
8,400.0	6,954.0	8,275.9	6,999.7	36.1	25.4	-92.65	-642.9	-626.7	990.3	939.0	51.33	19.292	
8,500.0	6,952.5	8,375.9	6,998.5	36.7	26.7	-92.66	-742.9	-627.9	990.2	936.4	53.83	18.397	
8,600.0	6,951.1	8,475.9	6,997.2	37.4	28.1	-92.67	-842.9	-629.2	990.1	933.7	56.47	17.534	
8,700.0	6,949.6	8,575.9	6,996.0	38.2	29.6	-92.69	-942.8	-630.4	990.1	930.8	59.24	16.712	
8,800.0	6,948.2	8,675.9	6,994.8	39.2	31.1	-92.70	-1,042.8	-631.6	990.0	927.8	62.13	15.934	
8,900.0	6,946.7	8,775.9	6,993.5	40.2	32.6	-92.71	-1,142.8	-632.8	989.9	924.8	65.11	15.203	
9,000.0	6,945.3	8,875.9	6,992.3	41.4	34.2	-92.72	-1,242.8	-634.0	989.8	921.6	68.18	14.518	
9,100.0	6,943.8	8,975.9	6,991.0	42.6	35.8	-92.73	-1,342.8	-635.2	989.7	918.4	71.32	13.877	
9,200.0	6,942.4	9,075.9	6,989.8	43.9	37.4	-92.75	-1,442.8	-636.5	989.6	915.1	74.53	13.279	
9,300.0	6,940.9	9,175.9	6,988.6	45.2	39.1	-92.76	-1,542.8	-637.7	989.6	911.8	77.79	12.720	
9,400.0	6,939.5	9,275.9	6,987.3	46.6	40.7	-92.77	-1,642.7	-638.9	989.5	908.4	81.11	12.200	
9,500.0	6,938.0	9,375.9	6,986.1	48.1	42.4	-92.78	-1,742.7	-640.1	989.4	904.9	84.46	11.714	
9,600.0	6,936.6	9,475.9	6,984.8	49.6	44.1	-92.80	-1,842.7	-641.3	989.3	901.5	87.86	11.260	
9,700.0	6,935.1	9,575.9	6,983.6	51.1	45.9	-92.81	-1,942.7	-642.5	989.2	898.0	91.29	10.836	
9,800.0	6,933.7	9,675.9	6,982.4	52.6	47.6	-92.82	-2,042.7	-643.8	989.2	894.4	94.75	10.439	
9,900.0	6,932.2	9,775.9	6,981.1	54.2	49.3	-92.83	-2,142.7	-645.0	989.1	890.8	98.24	10.068	
10,000.0	6,930.8	9,875.9	6,979.9	55.8	51.1	-92.85	-2,242.6	-646.2	989.0	887.2	101.76	9.719	
10,100.0	6,929.4	9,975.9	6,978.6	57.4	52.9	-92.86	-2,342.6	-647.4	988.9	883.6	105.29	9.392	
10,200.0	6,927.9	10,075.9	6,977.4	59.0	54.7	-92.87	-2,442.6	-648.6	988.8	880.0	108.85	9.084	
10,300.0	6,926.5	10,175.9	6,976.2	60.7	56.5	-92.88	-2,542.6	-649.8	988.8	876.3	112.42	8.795	

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 Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design Holton 12-C Pad Sec.12-T6N-R65W - Holton I-12HN - Wellbore #1 - Plan #1 (4-01-14)												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
10,400.0	6,925.0	10,275.9	6,974.9	62.3	58.2	-92.89	-2,642.6	-651.1	988.7	872.7	116.02	8.522	
10,500.0	6,923.6	10,375.9	6,973.7	64.0	60.1	-92.91	-2,742.6	-652.3	988.6	869.0	119.62	8.264	
10,600.0	6,922.1	10,475.9	6,972.4	65.7	61.9	-92.92	-2,842.6	-653.5	988.5	865.3	123.24	8.021	
10,700.0	6,920.7	10,575.9	6,971.2	67.4	63.7	-92.93	-2,942.5	-654.7	988.4	861.6	126.87	7.791	
10,800.0	6,919.2	10,675.9	6,970.0	69.1	65.5	-92.94	-3,042.5	-655.9	988.4	857.8	130.52	7.573	
10,900.0	6,917.8	10,775.9	6,968.7	70.9	67.3	-92.96	-3,142.5	-657.1	988.3	854.1	134.17	7.366	
11,000.0	6,916.3	10,875.9	6,967.5	72.6	69.2	-92.97	-3,242.5	-658.4	988.2	850.4	137.83	7.169	
11,100.0	6,914.9	10,975.9	6,966.2	74.4	71.0	-92.98	-3,342.5	-659.6	988.1	846.6	141.51	6.983	
11,200.0	6,913.4	11,075.9	6,965.0	76.1	72.8	-92.99	-3,442.5	-660.8	988.0	842.9	145.19	6.805	
11,300.0	6,912.0	11,175.9	6,963.8	77.9	74.7	-93.01	-3,542.4	-662.0	988.0	839.1	148.88	6.636	
11,400.0	6,910.5	11,275.9	6,962.5	79.7	76.5	-93.02	-3,642.4	-663.2	987.9	835.3	152.57	6.475	
11,500.0	6,909.1	11,375.9	6,961.3	81.4	78.4	-93.03	-3,742.4	-664.4	987.8	831.5	156.27	6.321	
11,600.0	6,907.6	11,475.9	6,960.0	83.2	80.2	-93.04	-3,842.4	-665.7	987.7	827.7	159.98	6.174	
11,700.0	6,906.2	11,575.9	6,958.8	85.0	82.1	-93.05	-3,942.4	-666.9	987.6	824.0	163.70	6.033	
11,800.0	6,904.7	11,675.9	6,957.5	86.8	84.0	-93.07	-4,042.4	-668.1	987.6	820.2	167.41	5.899	
11,900.0	6,903.3	11,775.9	6,956.3	88.6	85.8	-93.08	-4,142.4	-669.3	987.5	816.3	171.14	5.770	
11,988.0	6,902.0	11,863.9	6,955.2	90.2	87.5	-93.09	-4,230.3	-670.4	987.4	813.0	174.42	5.661 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design													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	91.46	-1.8	71.7	71.8					
100.0	100.0	100.0	100.0	0.1	0.1	91.46	-1.8	71.7	71.8	71.5	0.22	319.305		
200.0	200.0	200.0	200.0	0.3	0.3	91.46	-1.8	71.7	71.8	71.1	0.67	106.435 CC, ES		
300.0	300.0	300.0	300.0	0.6	0.6	150.87	-1.8	71.7	73.3	72.2	1.12	65.196		
400.0	399.8	399.8	399.8	0.8	0.8	152.70	-1.8	71.7	77.9	76.3	1.58	49.372		
500.0	499.5	499.5	499.5	1.0	1.0	155.30	-1.8	71.7	85.7	83.7	2.04	42.082		
600.0	598.7	598.7	598.7	1.3	1.2	158.23	-1.8	71.7	97.0	94.5	2.50	38.757		
700.0	697.5	697.5	697.5	1.7	1.5	161.11	-1.8	71.7	111.7	108.7	2.97	37.607		
800.0	795.6	795.6	795.6	2.0	1.7	163.73	-1.8	71.7	129.9	126.4	3.44	37.778		
900.0	893.1	893.1	893.1	2.5	1.9	166.00	-1.8	71.7	151.6	147.7	3.91	38.800		
1,000.0	989.6	989.6	989.6	3.0	2.1	167.91	-1.8	71.7	176.9	172.5	4.38	40.393		
1,100.0	1,085.6	1,089.8	1,089.8	3.5	2.3	169.30	-0.5	71.3	203.6	198.8	4.86	41.886		
1,200.0	1,181.6	1,191.8	1,191.7	4.1	2.6	169.70	4.2	69.5	228.2	222.9	5.35	42.634		
1,300.0	1,277.5	1,295.0	1,294.5	4.7	2.8	169.38	12.4	66.5	250.5	244.7	5.87	42.715		
1,400.0	1,373.5	1,399.1	1,397.8	5.3	3.1	168.50	24.2	62.2	270.5	264.1	6.41	42.237		
1,500.0	1,469.4	1,503.0	1,500.5	5.8	3.3	167.17	39.5	56.5	288.3	281.4	6.98	41.306		
1,600.0	1,565.4	1,601.3	1,597.3	6.4	3.6	165.85	55.2	50.7	305.4	297.8	7.58	40.284		
1,700.0	1,661.3	1,699.6	1,694.2	7.0	3.9	164.67	71.0	45.0	322.6	314.4	8.20	39.324		
1,800.0	1,757.3	1,797.9	1,791.0	7.6	4.3	163.62	86.7	39.2	339.9	331.1	8.85	38.431		
1,900.0	1,853.2	1,896.2	1,887.9	8.2	4.6	162.66	102.4	33.4	357.4	347.9	9.50	37.607		
2,000.0	1,949.2	1,994.5	1,984.8	8.8	4.9	161.79	118.2	27.6	374.9	364.7	10.17	36.847		
2,100.0	2,045.1	2,092.8	2,081.6	9.4	5.3	161.00	133.9	21.8	392.5	381.6	10.86	36.149		
2,200.0	2,141.1	2,191.1	2,178.5	10.0	5.6	160.28	149.6	16.0	410.2	398.6	11.55	35.507		
2,300.0	2,237.0	2,289.4	2,275.4	10.6	6.0	159.62	165.4	10.2	427.9	415.6	12.25	34.918		
2,400.0	2,332.9	2,387.7	2,372.2	11.2	6.3	159.01	181.1	4.4	445.6	432.7	12.96	34.376		
2,500.0	2,428.9	2,486.1	2,469.1	11.8	6.7	158.44	196.8	-1.4	463.5	449.8	13.68	33.877		
2,600.0	2,524.8	2,584.4	2,565.9	12.4	7.0	157.92	212.6	-7.2	481.3	466.9	14.40	33.417		
2,700.0	2,620.8	2,682.7	2,662.8	13.0	7.4	157.44	228.3	-12.9	499.2	484.1	15.13	32.991		
2,800.0	2,716.7	2,781.0	2,759.7	13.6	7.8	156.99	244.0	-18.7	517.1	501.3	15.86	32.597		
2,900.0	2,812.7	2,879.3	2,856.5	14.1	8.1	156.57	259.8	-24.5	535.1	518.5	16.60	32.232		
3,000.0	2,908.6	2,977.6	2,953.4	14.7	8.5	156.17	275.5	-30.3	553.1	535.7	17.34	31.893		
3,100.0	3,004.6	3,075.9	3,050.2	15.3	8.9	155.80	291.2	-36.1	571.1	553.0	18.08	31.577		
3,200.0	3,100.5	3,174.2	3,147.1	15.9	9.2	155.46	306.9	-41.9	589.1	570.3	18.83	31.282		
3,300.0	3,196.5	3,272.5	3,244.0	16.5	9.6	155.13	322.7	-47.7	607.1	587.6	19.58	31.006		
3,400.0	3,292.4	3,370.8	3,340.8	17.1	10.0	154.83	338.4	-53.5	625.2	604.9	20.33	30.749		
3,500.0	3,388.4	3,469.1	3,437.7	17.7	10.3	154.54	354.1	-59.3	643.3	622.2	21.09	30.507		
3,600.0	3,484.3	3,567.4	3,534.6	18.3	10.7	154.26	369.9	-65.1	661.4	639.5	21.84	30.279		
3,700.0	3,580.3	3,665.7	3,631.4	18.9	11.1	154.00	385.6	-70.9	679.5	656.9	22.60	30.066		
3,800.0	3,676.2	3,764.0	3,728.3	19.5	11.5	153.76	401.3	-76.6	697.6	674.2	23.36	29.864		
3,900.0	3,772.2	3,862.3	3,825.1	20.1	11.8	153.52	417.1	-82.4	715.7	691.6	24.12	29.674		
4,000.0	3,868.1	3,960.6	3,922.0	20.7	12.2	153.30	432.8	-88.2	733.9	709.0	24.88	29.494		
4,100.0	3,964.1	4,058.9	4,018.9	21.3	12.6	153.09	448.5	-94.0	752.0	726.4	25.64	29.324		
4,200.0	4,060.0	4,157.2	4,115.7	21.9	13.0	152.89	464.3	-99.8	770.2	743.8	26.41	29.163		
4,300.0	4,156.0	4,255.5	4,212.6	22.5	13.3	152.70	480.0	-105.6	788.4	761.2	27.18	29.010		
4,400.0	4,251.9	4,353.8	4,309.4	23.1	13.7	152.52	495.7	-111.4	806.5	778.6	27.94	28.865		
4,500.0	4,347.9	4,452.1	4,406.3	23.7	14.1	152.34	511.5	-117.2	824.7	796.0	28.71	28.727		
4,600.0	4,443.8	4,550.4	4,503.2	24.3	14.5	152.17	527.2	-123.0	842.9	813.4	29.48	28.595		
4,700.0	4,539.8	4,648.7	4,600.0	24.9	14.9	152.01	542.9	-128.8	861.1	830.9	30.25	28.470		
4,800.0	4,635.7	4,747.0	4,696.9	25.5	15.2	151.86	558.7	-134.5	879.3	848.3	31.02	28.358		
4,900.0	4,731.7	4,845.3	4,793.8	26.1	15.6	151.71	574.4	-140.3	897.5	865.7	31.79	28.236		
5,000.0	4,827.6	4,943.6	4,890.6	26.7	16.0	151.57	590.1	-146.1	915.7	883.2	32.56	28.126		
5,100.0	4,923.6	5,041.9	4,987.5	27.3	16.4	151.43	605.9	-151.9	934.0	900.6	33.33	28.022		

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 Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design Holton 12-C Pad Sec.12-T6N-R65W - Holton J-12HC - Wellbore #1 - Plan #1 (4-01-14)												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	5,019.5	5,140.2	5,084.3	27.9	16.7	151.30	621.6	-157.7	952.2	918.1	34.10	27.921	
5,300.0	5,115.5	5,238.5	5,181.2	28.5	17.1	151.18	637.3	-163.5	970.4	935.6	34.88	27.825	
5,400.0	5,211.4	5,336.8	5,278.1	29.1	17.5	151.05	653.1	-169.3	988.7	953.0	35.65	27.733 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design Holton 12-C Pad Sec.12-T6N-R65W - Holton K-12HN - Wellbore #1 - Plan #1 (4-01-14)												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
0.0	0.0	0.0	0.0	0.0	0.0	91.63	-2.6	89.8	89.9				
100.0	100.0	97.0	97.0	0.1	0.1	91.63	-2.6	89.8	89.9	89.6	0.22	405.859	
200.0	200.0	197.0	197.0	0.3	0.3	91.63	-2.6	89.8	89.9	89.2	0.67	134.607 CC, ES	
300.0	300.0	297.0	297.0	0.6	0.6	150.90	-2.6	89.8	91.4	90.3	1.12	81.775	
400.0	399.8	396.8	396.8	0.8	0.8	152.38	-2.6	89.8	96.0	94.4	1.57	61.092	
500.0	499.5	496.5	496.5	1.0	1.0	154.54	-2.6	89.8	103.8	101.8	2.03	51.104	
600.0	598.7	595.7	595.7	1.3	1.2	157.06	-2.6	89.8	114.9	112.4	2.50	46.045	
700.0	697.5	694.5	694.5	1.7	1.4	159.66	-2.6	89.8	129.5	126.5	2.96	43.680	
800.0	795.6	792.6	792.6	2.0	1.7	162.12	-2.6	89.8	147.6	144.1	3.44	42.949	
900.0	893.1	890.1	890.1	2.5	1.9	164.33	-2.6	89.8	169.1	165.2	3.91	43.279	
1,000.0	989.6	986.6	986.6	3.0	2.1	166.27	-2.6	89.8	194.2	189.9	4.38	44.326	
1,100.0	1,085.6	1,082.6	1,082.6	3.5	2.3	167.97	-2.6	89.8	221.7	216.8	4.86	45.600	
1,200.0	1,181.6	1,178.6	1,178.6	4.1	2.5	169.32	-2.6	89.8	249.4	244.0	5.35	46.641	
1,300.0	1,277.5	1,274.5	1,274.5	4.7	2.8	170.40	-2.6	89.8	277.1	271.3	5.83	47.502	
1,400.0	1,373.5	1,370.5	1,370.5	5.3	3.0	171.28	-2.6	89.8	305.0	298.7	6.32	48.221	
1,500.0	1,469.4	1,466.4	1,466.4	5.8	3.2	172.01	-2.6	89.8	332.9	326.1	6.82	48.829	
1,600.0	1,565.4	1,566.0	1,566.0	6.4	3.4	172.54	-1.8	89.8	360.5	353.2	7.32	49.257	
1,700.0	1,661.3	1,668.5	1,668.4	7.0	3.6	172.54	2.4	89.6	386.7	378.9	7.83	49.388	
1,800.0	1,757.3	1,771.6	1,771.2	7.6	3.9	172.06	10.3	89.3	411.4	403.0	8.35	49.242	
1,900.0	1,853.2	1,875.3	1,874.2	8.2	4.1	171.18	22.0	88.9	434.6	425.7	8.90	48.828	
2,000.0	1,949.2	1,979.2	1,977.0	8.8	4.4	169.96	37.4	88.3	456.4	447.0	9.48	48.155	
2,100.0	2,045.1	2,079.5	2,075.6	9.4	4.6	168.54	55.3	87.6	477.3	467.2	10.09	47.321	
2,200.0	2,141.1	2,176.7	2,171.2	10.0	4.9	167.24	73.1	86.9	498.2	487.5	10.72	46.494	
2,300.0	2,237.0	2,273.8	2,266.7	10.6	5.2	166.04	90.9	86.2	519.4	508.1	11.37	45.695	
2,400.0	2,332.9	2,371.0	2,362.2	11.2	5.5	164.94	108.7	85.5	540.8	528.8	12.04	44.925	
2,500.0	2,428.9	2,468.2	2,457.8	11.8	5.9	163.92	126.4	84.8	562.4	549.6	12.73	44.191	
2,600.0	2,524.8	2,565.3	2,553.3	12.4	6.2	162.97	144.2	84.2	584.1	570.6	13.43	43.497	
2,700.0	2,620.8	2,662.5	2,648.8	13.0	6.5	162.09	162.0	83.5	605.9	591.8	14.14	42.843	
2,800.0	2,716.7	2,759.7	2,744.3	13.6	6.9	161.28	179.7	82.8	627.9	613.0	14.87	42.229	
2,900.0	2,812.7	2,856.9	2,839.9	14.1	7.2	160.51	197.5	82.1	650.0	634.4	15.61	41.653	
3,000.0	2,908.6	2,954.0	2,935.4	14.7	7.6	159.80	215.3	81.4	672.2	655.9	16.35	41.113	
3,100.0	3,004.6	3,051.2	3,030.9	15.3	7.9	159.13	233.1	80.7	694.5	677.4	17.10	40.608	
3,200.0	3,100.5	3,148.4	3,126.5	15.9	8.3	158.51	250.8	80.0	716.9	699.0	17.86	40.135	
3,300.0	3,196.5	3,245.5	3,222.0	16.5	8.6	157.92	268.6	79.4	739.4	720.7	18.63	39.692	
3,400.0	3,292.4	3,342.7	3,317.5	17.1	9.0	157.37	286.4	78.7	761.9	742.5	19.40	39.276	
3,500.0	3,388.4	3,439.9	3,413.1	17.7	9.4	156.85	304.1	78.0	784.5	764.3	20.17	38.887	
3,600.0	3,484.3	3,537.1	3,508.6	18.3	9.7	156.35	321.9	77.3	807.1	786.2	20.95	38.521	
3,700.0	3,580.3	3,634.2	3,604.1	18.9	10.1	155.89	339.7	76.6	829.8	808.1	21.74	38.177	
3,800.0	3,676.2	3,731.4	3,699.7	19.5	10.5	155.45	357.4	75.9	852.6	830.1	22.52	37.854	
3,900.0	3,772.2	3,828.6	3,795.2	20.1	10.9	155.03	375.2	75.2	875.4	852.1	23.31	37.550	
4,000.0	3,868.1	3,925.8	3,890.7	20.7	11.2	154.63	393.0	74.6	898.2	874.1	24.11	37.263	
4,100.0	3,964.1	4,022.9	3,986.2	21.3	11.6	154.25	410.8	73.9	921.1	896.2	24.90	36.992	
4,200.0	4,060.0	4,120.1	4,081.8	21.9	12.0	153.90	428.5	73.2	944.0	918.3	25.70	36.736	
4,300.0	4,156.0	4,217.3	4,177.3	22.5	12.4	153.55	446.3	72.5	967.0	940.5	26.50	36.494	
4,400.0	4,251.9	4,314.4	4,272.8	23.1	12.8	153.23	464.1	71.8	990.0	962.7	27.30	36.265 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Holton F-12HN
Project:	SEC.12-T6N-R65W	TVD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Reference Site:	Holton 12-C Pad Sec.12-T6N-R65W	MD Reference:	WELL @ 4740.5ft (RKB - 22.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Holton F-12HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #1 (4-01-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Holton 24-12 Pad Sec.12-T6N-R65W - Holton 24-12 - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 98-													
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
10,900.0	6,917.8	6,936.8	6,867.6	70.9	19.4	-84.67	-4,039.4	-1,541.6	915.6	832.3	83.32	10.988	
11,000.0	6,916.3	6,938.2	6,869.0	72.6	19.4	-85.38	-4,039.4	-1,541.7	816.4	731.1	85.31	9.571	
11,100.0	6,914.9	6,939.6	6,870.4	74.4	19.4	-86.09	-4,039.5	-1,541.7	717.5	630.2	87.28	8.221	
11,200.0	6,913.4	6,941.0	6,871.8	76.1	19.4	-86.80	-4,039.5	-1,541.7	619.0	529.7	89.25	6.935	
11,300.0	6,912.0	6,942.4	6,873.2	77.9	19.4	-87.49	-4,039.6	-1,541.7	521.0	429.7	91.22	5.711	
11,400.0	6,910.5	6,943.8	6,874.5	79.7	19.4	-88.19	-4,039.6	-1,541.8	423.9	330.7	93.18	4.549	
11,500.0	6,909.1	6,945.1	6,875.9	81.4	19.4	-88.87	-4,039.6	-1,541.8	328.5	233.4	95.13	3.454	
11,600.0	6,907.6	6,946.4	6,877.2	83.2	19.4	-89.55	-4,039.7	-1,541.8	237.1	140.0	97.07	2.442	
11,700.0	6,906.2	6,947.8	6,878.5	85.0	19.4	-90.23	-4,039.7	-1,541.8	156.4	57.4	99.01	1.580	
11,800.0	6,904.7	6,949.1	6,879.9	86.8	19.4	-90.90	-4,039.7	-1,541.8	112.8	11.8	100.93	1.117 Level 2	
11,808.7	6,904.6	6,949.2	6,880.0	87.0	19.4	-90.95	-4,039.7	-1,541.8	112.4	11.3	101.10	1.112 Level 2, CC, ES, SF	
11,900.0	6,903.3	6,950.4	6,881.2	88.6	19.4	-91.56	-4,039.8	-1,541.9	144.8	42.0	102.85	1.408 Level 3	
11,988.0	6,902.0	6,951.5	6,882.3	90.2	19.4	-92.13	-4,039.8	-1,541.9	211.6	107.0	104.53	2.024	

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Reference Depths are relative to WELL @ 4740.5ft (RKB - 22.5')

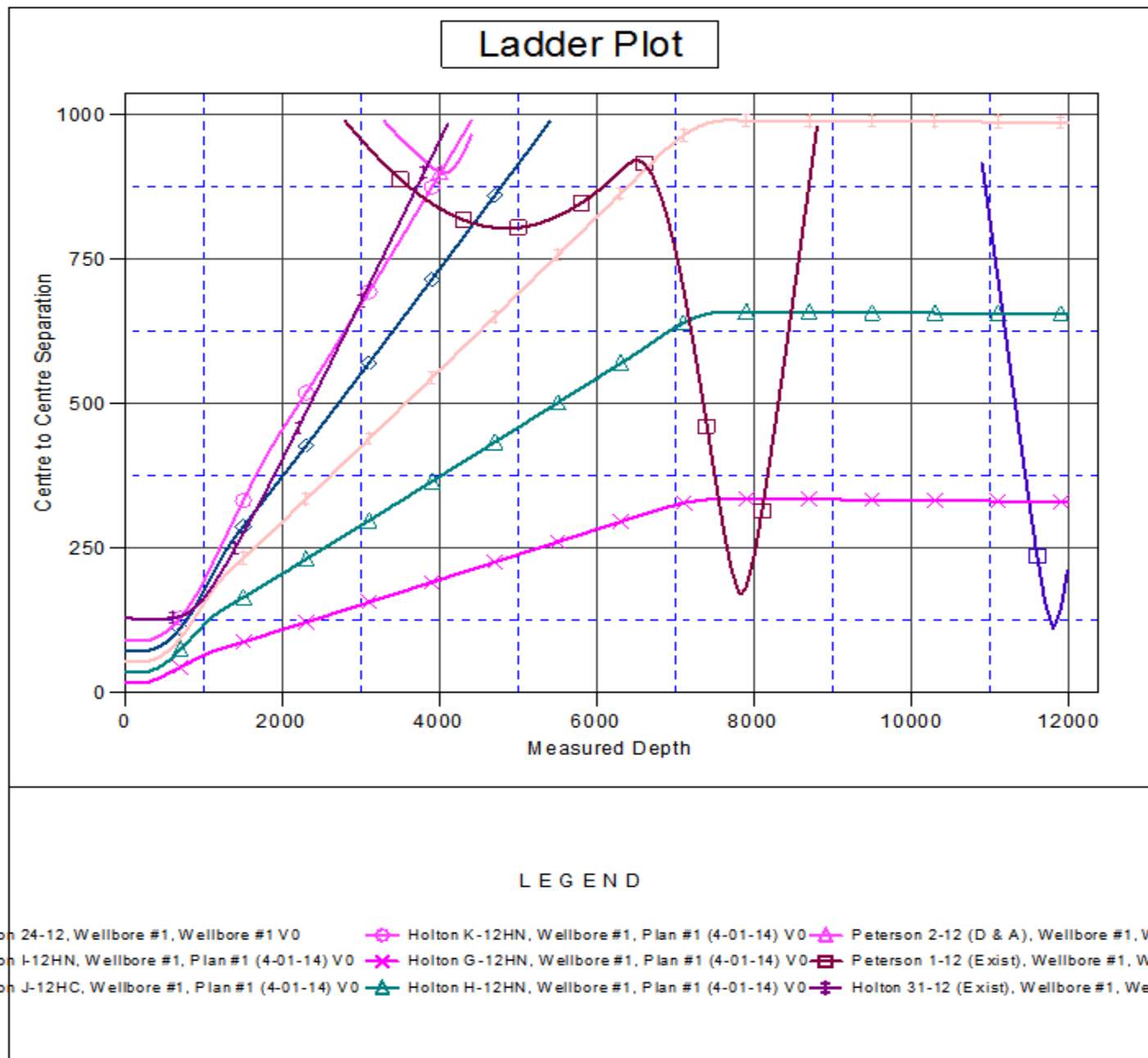
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Holton F-12HN

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.58°



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Holton F-12HN
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