

### Well Name: MSH 13-15

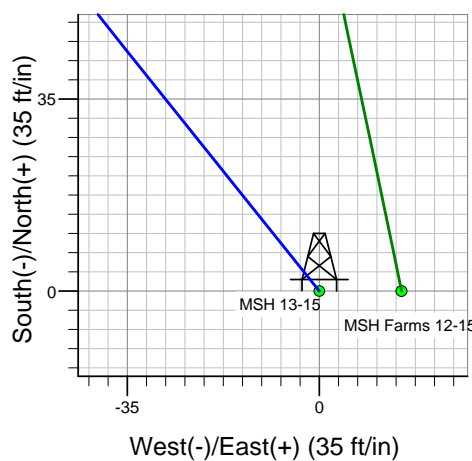
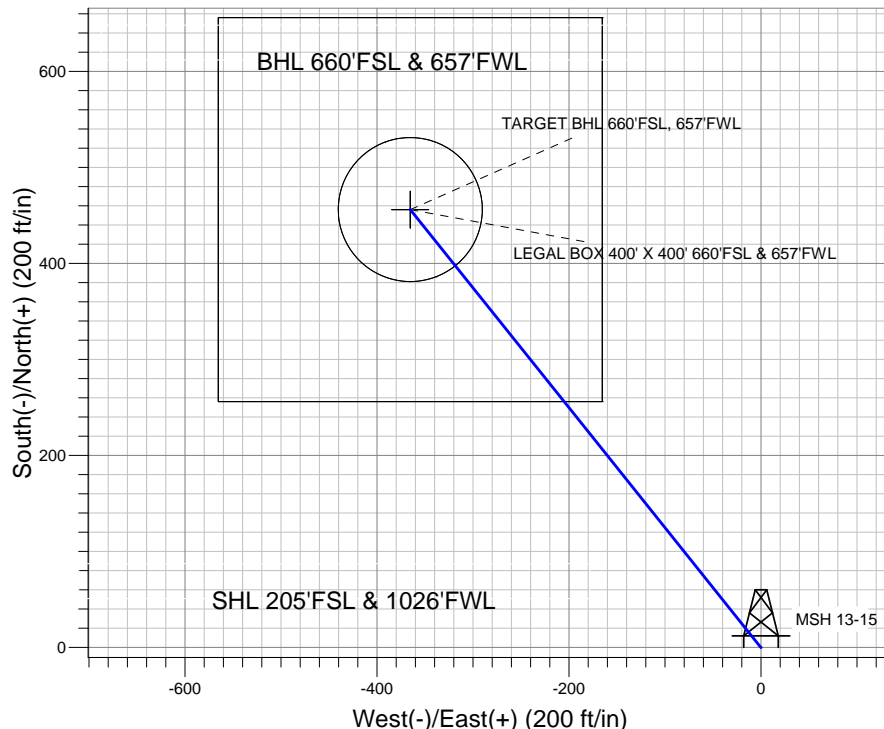
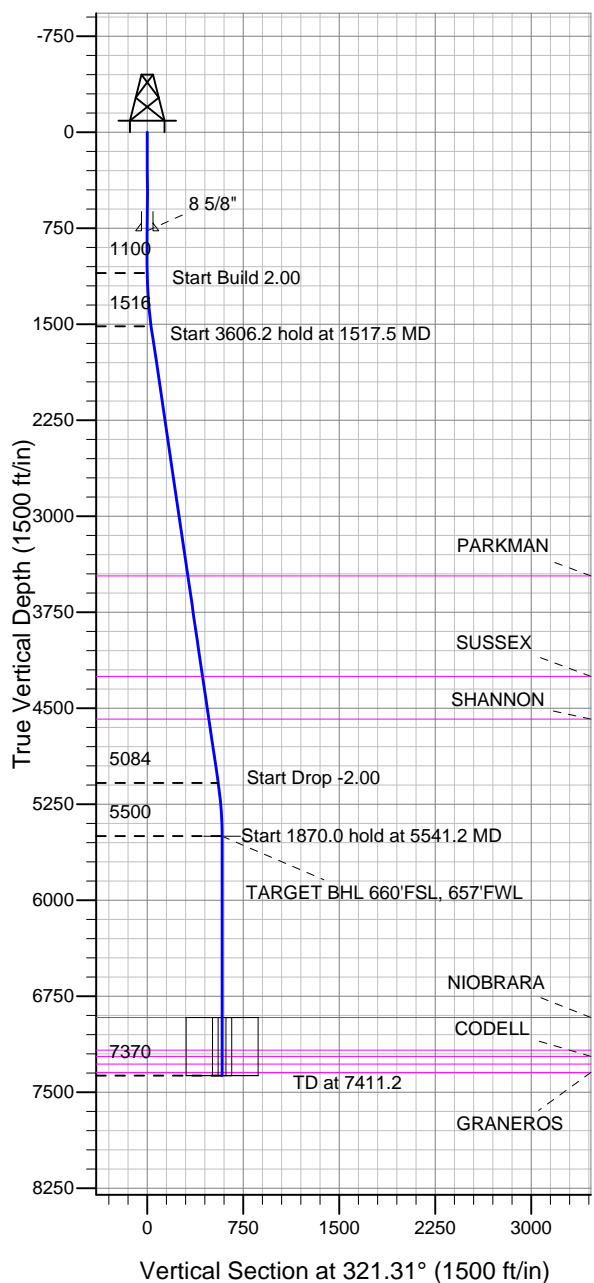
Surface Location: MSH Farms 12-15 Pad Sec.15-T7N-R67W  
North American Datum 1983 US State Plane 1983 Colorado Northern Zone

Ground Elevation: 5054.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1450181.59	3170825.07	40.567522	-104.885123	

Original Well Elev WELL @ 5070.0ft (Original Well Elev)

## Bayswater Exploration & Production, LLC



MSH Farms 12-15 Pad Sec.15-T7N-R67W  
MSH 13-15  
Plan #1 (4-22-13)



Azimuths to True North  
Magnetic North: 8.69°

Magnetic Field  
Strength: 53009.0nT  
Dip Angle: 67.10°  
Date: 4/22/2013  
Model: IGRF2010

### WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 660'FSL, 657'FWL	5500.0	456.1	-365.3	40.568774	-104.886438	Point
LEGAL BOX 400' X 400' 660'FSL & 657'FWL	6916.0	456.1	-365.3	40.568774	-104.886438	Rectangle (Sides: L400.0 W400.0)
TARGET CIRCLE 660'FSL & 657'FWL	6916.0	456.1	-365.3	40.568774	-104.886438	Circle (Radius: 75.0)

### 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	1100.0	0.00	0.00	1100.0	0.0	0.0	0.00	0.00	0.0	
3	1517.5	8.35	321.31	1516.0	23.7	-19.0	2.00	321.31	30.4	
4	5123.7	8.35	321.31	5084.0	432.4	-346.4	0.00	0.00	554.0	
5	5541.2	0.00	0.00	5500.0	456.1	-365.3	2.00	180.00	584.4	TARGET BHL 660'FSL, 657'FWL
6	7411.2	0.00	0.00	7370.0	456.1	-365.3	0.00	0.00	584.4	



**Directional**

## **Bayswater Exploration & Production, LLC**

**SEC.15-T7N-R67W**

**MSH Farms 12-15 Pad Sec.15-T7N-R67W**

**MSH 13-15**

**Wellbore #1**

**Plan: Plan #1 (4-22-13)**

## **Standard Planning Report**

**22 April, 2013**



**Directional**

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well MSH 13-15
<b>Company:</b>	Bayswater Exploration & Production, LLC	<b>TVD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Project:</b>	SEC.15-T7N-R67W	<b>MD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Site:</b>	MSH Farms 12-15 Pad Sec.15-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	MSH 13-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-22-13)		

<b>Project</b>	SEC.15-T7N-R67W		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

Site						MSH Farms 12-15 Pad Sec.15-T7N-R67W											
Site Position:						Northing:			1,450,181.70ft			Latitude:			40.567522		
From:			Lat/Long			Easting:			3,170,840.07ft			Longitude:			-104.885069		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.40 °		

Well	MSH 13-15					
Well Position	+N/-S	0.0 ft	Northing:	1,450,181.59 ft	Latitude:	40.567522
	+E/-W	-15.0 ft	Easting:	3,170,825.07 ft	Longitude:	-104.885123
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,054.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	4/22/2013	8.69	67.10	53,009

<b>Design</b>	Plan #1 (4-22-13)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	321.31

<b>Plan Sections</b>										
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	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,517.5	8.35	321.31	1,516.0	23.7	-19.0	2.00	2.00	0.00	321.31	
5,123.7	8.35	321.31	5,084.0	432.4	-346.4	0.00	0.00	0.00	0.00	
5,541.2	0.00	0.00	5,500.0	456.1	-365.3	2.00	-2.00	0.00	180.00	TARGET BHL 660'I
7,411.2	0.00	0.00	7,370.0	456.1	-365.3	0.00	0.00	0.00	0.00	

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well MSH 13-15
<b>Company:</b>	Bayswater Exploration & Production, LLC	<b>TVD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Project:</b>	SEC.15-T7N-R67W	<b>MD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Site:</b>	MSH Farms 12-15 Pad Sec.15-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	MSH 13-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-22-13)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
40.0	0.00	0.00	40.0	0.0	0.0	0.0	0.00	0.00	0.00
80.0	0.00	0.00	80.0	0.0	0.0	0.0	0.00	0.00	0.00
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00
160.0	0.00	0.00	160.0	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
240.0	0.00	0.00	240.0	0.0	0.0	0.0	0.00	0.00	0.00
280.0	0.00	0.00	280.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
360.0	0.00	0.00	360.0	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
440.0	0.00	0.00	440.0	0.0	0.0	0.0	0.00	0.00	0.00
480.0	0.00	0.00	480.0	0.0	0.0	0.0	0.00	0.00	0.00
520.0	0.00	0.00	520.0	0.0	0.0	0.0	0.00	0.00	0.00
560.0	0.00	0.00	560.0	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
640.0	0.00	0.00	640.0	0.0	0.0	0.0	0.00	0.00	0.00
680.0	0.00	0.00	680.0	0.0	0.0	0.0	0.00	0.00	0.00
720.0	0.00	0.00	720.0	0.0	0.0	0.0	0.00	0.00	0.00
760.0	0.00	0.00	760.0	0.0	0.0	0.0	0.00	0.00	0.00
770.0	0.00	0.00	770.0	0.0	0.0	0.0	0.00	0.00	0.00
8 5/8"									
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
840.0	0.00	0.00	840.0	0.0	0.0	0.0	0.00	0.00	0.00
880.0	0.00	0.00	880.0	0.0	0.0	0.0	0.00	0.00	0.00
920.0	0.00	0.00	920.0	0.0	0.0	0.0	0.00	0.00	0.00
960.0	0.00	0.00	960.0	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
1,040.0	0.00	0.00	1,040.0	0.0	0.0	0.0	0.00	0.00	0.00
1,080.0	0.00	0.00	1,080.0	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
1,120.0	0.40	321.31	1,120.0	0.1	0.0	0.1	2.00	2.00	0.00
1,160.0	1.20	321.31	1,160.0	0.5	-0.4	0.6	2.00	2.00	0.00
1,200.0	2.00	321.31	1,200.0	1.4	-1.1	1.7	2.00	2.00	0.00
1,240.0	2.80	321.31	1,239.9	2.7	-2.1	3.4	2.00	2.00	0.00
1,280.0	3.60	321.31	1,279.9	4.4	-3.5	5.7	2.00	2.00	0.00
1,320.0	4.40	321.31	1,319.8	6.6	-5.3	8.4	2.00	2.00	0.00
1,360.0	5.20	321.31	1,359.6	9.2	-7.4	11.8	2.00	2.00	0.00
1,400.0	6.00	321.31	1,399.5	12.2	-9.8	15.7	2.00	2.00	0.00
1,440.0	6.80	321.31	1,439.2	15.7	-12.6	20.2	2.00	2.00	0.00
1,480.0	7.60	321.31	1,478.9	19.6	-15.7	25.2	2.00	2.00	0.00
1,517.5	8.35	321.31	1,516.0	23.7	-19.0	30.4	2.00	2.00	0.00
1,520.0	8.35	321.31	1,518.5	24.0	-19.2	30.7	0.00	0.00	0.00
1,560.0	8.35	321.31	1,558.1	28.5	-22.8	36.5	0.00	0.00	0.00
1,600.0	8.35	321.31	1,597.6	33.1	-26.5	42.3	0.00	0.00	0.00
1,640.0	8.35	321.31	1,637.2	37.6	-30.1	48.2	0.00	0.00	0.00
1,680.0	8.35	321.31	1,676.8	42.1	-33.7	54.0	0.00	0.00	0.00
1,720.0	8.35	321.31	1,716.4	46.7	-37.4	59.8	0.00	0.00	0.00
1,760.0	8.35	321.31	1,756.0	51.2	-41.0	65.6	0.00	0.00	0.00
1,800.0	8.35	321.31	1,795.5	55.7	-44.6	71.4	0.00	0.00	0.00
1,840.0	8.35	321.31	1,835.1	60.3	-48.3	77.2	0.00	0.00	0.00
1,880.0	8.35	321.31	1,874.7	64.8	-51.9	83.0	0.00	0.00	0.00
1,920.0	8.35	321.31	1,914.3	69.3	-55.5	88.8	0.00	0.00	0.00
1,960.0	8.35	321.31	1,953.8	73.9	-59.2	94.6	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well MSH 13-15
<b>Company:</b>	Bayswater Exploration & Production, LLC	<b>TVD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Project:</b>	SEC.15-T7N-R67W	<b>MD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Site:</b>	MSH Farms 12-15 Pad Sec.15-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	MSH 13-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-22-13)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,000.0	8.35	321.31	1,993.4	78.4	-62.8	100.4	0.00	0.00	0.00
2,040.0	8.35	321.31	2,033.0	82.9	-66.4	106.2	0.00	0.00	0.00
2,080.0	8.35	321.31	2,072.6	87.5	-70.0	112.1	0.00	0.00	0.00
2,120.0	8.35	321.31	2,112.1	92.0	-73.7	117.9	0.00	0.00	0.00
2,160.0	8.35	321.31	2,151.7	96.5	-77.3	123.7	0.00	0.00	0.00
2,200.0	8.35	321.31	2,191.3	101.1	-80.9	129.5	0.00	0.00	0.00
2,240.0	8.35	321.31	2,230.9	105.6	-84.6	135.3	0.00	0.00	0.00
2,280.0	8.35	321.31	2,270.4	110.1	-88.2	141.1	0.00	0.00	0.00
2,320.0	8.35	321.31	2,310.0	114.7	-91.8	146.9	0.00	0.00	0.00
2,360.0	8.35	321.31	2,349.6	119.2	-95.5	152.7	0.00	0.00	0.00
2,400.0	8.35	321.31	2,389.2	123.7	-99.1	158.5	0.00	0.00	0.00
2,440.0	8.35	321.31	2,428.7	128.3	-102.7	164.3	0.00	0.00	0.00
2,480.0	8.35	321.31	2,468.3	132.8	-106.4	170.1	0.00	0.00	0.00
2,520.0	8.35	321.31	2,507.9	137.3	-110.0	175.9	0.00	0.00	0.00
2,560.0	8.35	321.31	2,547.5	141.9	-113.6	181.8	0.00	0.00	0.00
2,600.0	8.35	321.31	2,587.0	146.4	-117.3	187.6	0.00	0.00	0.00
2,640.0	8.35	321.31	2,626.6	150.9	-120.9	193.4	0.00	0.00	0.00
2,680.0	8.35	321.31	2,666.2	155.5	-124.5	199.2	0.00	0.00	0.00
2,720.0	8.35	321.31	2,705.8	160.0	-128.1	205.0	0.00	0.00	0.00
2,760.0	8.35	321.31	2,745.4	164.5	-131.8	210.8	0.00	0.00	0.00
2,800.0	8.35	321.31	2,784.9	169.1	-135.4	216.6	0.00	0.00	0.00
2,840.0	8.35	321.31	2,824.5	173.6	-139.0	222.4	0.00	0.00	0.00
2,880.0	8.35	321.31	2,864.1	178.1	-142.7	228.2	0.00	0.00	0.00
2,920.0	8.35	321.31	2,903.7	182.7	-146.3	234.0	0.00	0.00	0.00
2,960.0	8.35	321.31	2,943.2	187.2	-149.9	239.8	0.00	0.00	0.00
3,000.0	8.35	321.31	2,982.8	191.7	-153.6	245.7	0.00	0.00	0.00
3,040.0	8.35	321.31	3,022.4	196.3	-157.2	251.5	0.00	0.00	0.00
3,080.0	8.35	321.31	3,062.0	200.8	-160.8	257.3	0.00	0.00	0.00
3,120.0	8.35	321.31	3,101.5	205.3	-164.5	263.1	0.00	0.00	0.00
3,160.0	8.35	321.31	3,141.1	209.9	-168.1	268.9	0.00	0.00	0.00
3,200.0	8.35	321.31	3,180.7	214.4	-171.7	274.7	0.00	0.00	0.00
3,240.0	8.35	321.31	3,220.3	218.9	-175.4	280.5	0.00	0.00	0.00
3,280.0	8.35	321.31	3,259.8	223.5	-179.0	286.3	0.00	0.00	0.00
3,320.0	8.35	321.31	3,299.4	228.0	-182.6	292.1	0.00	0.00	0.00
3,360.0	8.35	321.31	3,339.0	232.5	-186.2	297.9	0.00	0.00	0.00
3,400.0	8.35	321.31	3,378.6	237.1	-189.9	303.7	0.00	0.00	0.00
3,440.0	8.35	321.31	3,418.1	241.6	-193.5	309.5	0.00	0.00	0.00
3,480.0	8.35	321.31	3,457.7	246.1	-197.1	315.4	0.00	0.00	0.00
3,488.4	8.35	321.31	3,466.0	247.1	-197.9	316.6	0.00	0.00	0.00
<b>PARKMAN</b>									
3,520.0	8.35	321.31	3,497.3	250.7	-200.8	321.2	0.00	0.00	0.00
3,560.0	8.35	321.31	3,536.9	255.2	-204.4	327.0	0.00	0.00	0.00
3,600.0	8.35	321.31	3,576.4	259.7	-208.0	332.8	0.00	0.00	0.00
3,640.0	8.35	321.31	3,616.0	264.3	-211.7	338.6	0.00	0.00	0.00
3,680.0	8.35	321.31	3,655.6	268.8	-215.3	344.4	0.00	0.00	0.00
3,720.0	8.35	321.31	3,695.2	273.3	-218.9	350.2	0.00	0.00	0.00
3,760.0	8.35	321.31	3,734.8	277.9	-222.6	356.0	0.00	0.00	0.00
3,800.0	8.35	321.31	3,774.3	282.4	-226.2	361.8	0.00	0.00	0.00
3,840.0	8.35	321.31	3,813.9	286.9	-229.8	367.6	0.00	0.00	0.00
3,880.0	8.35	321.31	3,853.5	291.5	-233.5	373.4	0.00	0.00	0.00
3,920.0	8.35	321.31	3,893.1	296.0	-237.1	379.3	0.00	0.00	0.00
3,960.0	8.35	321.31	3,932.6	300.5	-240.7	385.1	0.00	0.00	0.00
4,000.0	8.35	321.31	3,972.2	305.1	-244.3	390.9	0.00	0.00	0.00

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<b>Project:</b>	SEC.15-T7N-R67W	<b>MD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Site:</b>	MSH Farms 12-15 Pad Sec.15-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	MSH 13-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-22-13)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,040.0	8.35	321.31	4,011.8	309.6	-248.0	396.7	0.00	0.00	0.00
4,080.0	8.35	321.31	4,051.4	314.1	-251.6	402.5	0.00	0.00	0.00
4,120.0	8.35	321.31	4,090.9	318.7	-255.2	408.3	0.00	0.00	0.00
4,160.0	8.35	321.31	4,130.5	323.2	-258.9	414.1	0.00	0.00	0.00
4,200.0	8.35	321.31	4,170.1	327.7	-262.5	419.9	0.00	0.00	0.00
4,240.0	8.35	321.31	4,209.7	332.3	-266.1	425.7	0.00	0.00	0.00
4,280.0	8.35	321.31	4,249.2	336.8	-269.8	431.5	0.00	0.00	0.00
4,281.8	8.35	321.31	4,251.0	337.0	-269.9	431.8	0.00	0.00	0.00
<b>SUSSEX</b>									
4,320.0	8.35	321.31	4,288.8	341.4	-273.4	437.3	0.00	0.00	0.00
4,360.0	8.35	321.31	4,328.4	345.9	-277.0	443.1	0.00	0.00	0.00
4,400.0	8.35	321.31	4,368.0	350.4	-280.7	449.0	0.00	0.00	0.00
4,440.0	8.35	321.31	4,407.5	355.0	-284.3	454.8	0.00	0.00	0.00
4,480.0	8.35	321.31	4,447.1	359.5	-287.9	460.6	0.00	0.00	0.00
4,520.0	8.35	321.31	4,486.7	364.0	-291.6	466.4	0.00	0.00	0.00
4,560.0	8.35	321.31	4,526.3	368.6	-295.2	472.2	0.00	0.00	0.00
4,600.0	8.35	321.31	4,565.8	373.1	-298.8	478.0	0.00	0.00	0.00
4,620.4	8.35	321.31	4,586.0	375.4	-300.7	481.0	0.00	0.00	0.00
<b>SHANNON</b>									
4,640.0	8.35	321.31	4,605.4	377.6	-302.4	483.8	0.00	0.00	0.00
4,680.0	8.35	321.31	4,645.0	382.2	-306.1	489.6	0.00	0.00	0.00
4,720.0	8.35	321.31	4,684.6	386.7	-309.7	495.4	0.00	0.00	0.00
4,760.0	8.35	321.31	4,724.2	391.2	-313.3	501.2	0.00	0.00	0.00
4,800.0	8.35	321.31	4,763.7	395.8	-317.0	507.0	0.00	0.00	0.00
4,840.0	8.35	321.31	4,803.3	400.3	-320.6	512.9	0.00	0.00	0.00
4,880.0	8.35	321.31	4,842.9	404.8	-324.2	518.7	0.00	0.00	0.00
4,920.0	8.35	321.31	4,882.5	409.4	-327.9	524.5	0.00	0.00	0.00
4,960.0	8.35	321.31	4,922.0	413.9	-331.5	530.3	0.00	0.00	0.00
5,000.0	8.35	321.31	4,961.6	418.4	-335.1	536.1	0.00	0.00	0.00
5,040.0	8.35	321.31	5,001.2	423.0	-338.8	541.9	0.00	0.00	0.00
5,080.0	8.35	321.31	5,040.8	427.5	-342.4	547.7	0.00	0.00	0.00
5,120.0	8.35	321.31	5,080.3	432.0	-346.0	553.5	0.00	0.00	0.00
5,123.7	8.35	321.31	5,084.0	432.4	-346.4	554.0	0.00	0.00	0.00
5,160.0	7.62	321.31	5,119.9	436.4	-349.5	559.1	2.00	-2.00	0.00
5,200.0	6.82	321.31	5,159.6	440.3	-352.7	564.1	2.00	-2.00	0.00
5,240.0	6.02	321.31	5,199.4	443.8	-355.5	568.6	2.00	-2.00	0.00
5,280.0	5.22	321.31	5,239.2	446.9	-357.9	572.5	2.00	-2.00	0.00
5,320.0	4.42	321.31	5,279.0	449.5	-360.0	575.9	2.00	-2.00	0.00
5,360.0	3.62	321.31	5,318.9	451.7	-361.8	578.7	2.00	-2.00	0.00
5,400.0	2.82	321.31	5,358.9	453.4	-363.2	580.9	2.00	-2.00	0.00
5,440.0	2.02	321.31	5,398.8	454.8	-364.2	582.6	2.00	-2.00	0.00
5,480.0	1.22	321.31	5,438.8	455.6	-364.9	583.8	2.00	-2.00	0.00
5,520.0	0.42	321.31	5,478.8	456.1	-365.3	584.3	2.00	-2.00	0.00
5,541.2	0.00	0.00	5,500.0	456.1	-365.3	584.4	2.00	-2.00	0.00
5,560.0	0.00	0.00	5,518.8	456.1	-365.3	584.4	0.00	0.00	0.00
5,600.0	0.00	0.00	5,558.8	456.1	-365.3	584.4	0.00	0.00	0.00
5,640.0	0.00	0.00	5,598.8	456.1	-365.3	584.4	0.00	0.00	0.00
5,680.0	0.00	0.00	5,638.8	456.1	-365.3	584.4	0.00	0.00	0.00
5,720.0	0.00	0.00	5,678.8	456.1	-365.3	584.4	0.00	0.00	0.00
5,760.0	0.00	0.00	5,718.8	456.1	-365.3	584.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,758.8	456.1	-365.3	584.4	0.00	0.00	0.00
5,840.0	0.00	0.00	5,798.8	456.1	-365.3	584.4	0.00	0.00	0.00
5,880.0	0.00	0.00	5,838.8	456.1	-365.3	584.4	0.00	0.00	0.00
5,920.0	0.00	0.00	5,878.8	456.1	-365.3	584.4	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well MSH 13-15
<b>Company:</b>	Bayswater Exploration & Production, LLC	<b>TVD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Project:</b>	SEC.15-T7N-R67W	<b>MD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Site:</b>	MSH Farms 12-15 Pad Sec.15-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	MSH 13-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-22-13)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,960.0	0.00	0.00	5,918.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,958.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,040.0	0.00	0.00	5,998.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,080.0	0.00	0.00	6,038.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,120.0	0.00	0.00	6,078.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,160.0	0.00	0.00	6,118.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,158.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,240.0	0.00	0.00	6,198.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,280.0	0.00	0.00	6,238.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,320.0	0.00	0.00	6,278.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,360.0	0.00	0.00	6,318.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,358.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,440.0	0.00	0.00	6,398.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,480.0	0.00	0.00	6,438.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,520.0	0.00	0.00	6,478.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,560.0	0.00	0.00	6,518.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,558.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,640.0	0.00	0.00	6,598.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,680.0	0.00	0.00	6,638.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,720.0	0.00	0.00	6,678.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,760.0	0.00	0.00	6,718.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,758.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,840.0	0.00	0.00	6,798.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,880.0	0.00	0.00	6,838.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,920.0	0.00	0.00	6,878.8	456.1	-365.3	584.4	0.00	0.00	0.00
6,957.2	0.00	0.00	6,916.0	456.1	-365.3	584.4	0.00	0.00	0.00
<b>NIOBRARA</b>									
6,960.0	0.00	0.00	6,918.8	456.1	-365.3	584.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,958.8	456.1	-365.3	584.4	0.00	0.00	0.00
7,040.0	0.00	0.00	6,998.8	456.1	-365.3	584.4	0.00	0.00	0.00
7,080.0	0.00	0.00	7,038.8	456.1	-365.3	584.4	0.00	0.00	0.00
7,120.0	0.00	0.00	7,078.8	456.1	-365.3	584.4	0.00	0.00	0.00
7,160.0	0.00	0.00	7,118.8	456.1	-365.3	584.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,158.8	456.1	-365.3	584.4	0.00	0.00	0.00
7,213.2	0.00	0.00	7,172.0	456.1	-365.3	584.4	0.00	0.00	0.00
<b>FORT HAYS</b>									
7,240.0	0.00	0.00	7,198.8	456.1	-365.3	584.4	0.00	0.00	0.00
7,261.2	0.00	0.00	7,220.0	456.1	-365.3	584.4	0.00	0.00	0.00
<b>CODELL</b>									
7,280.0	0.00	0.00	7,238.8	456.1	-365.3	584.4	0.00	0.00	0.00
7,320.0	0.00	0.00	7,278.8	456.1	-365.3	584.4	0.00	0.00	0.00
7,321.2	0.00	0.00	7,280.0	456.1	-365.3	584.4	0.00	0.00	0.00
<b>GREENHORN</b>									
7,360.0	0.00	0.00	7,318.8	456.1	-365.3	584.4	0.00	0.00	0.00
7,387.2	0.00	0.00	7,346.0	456.1	-365.3	584.4	0.00	0.00	0.00
<b>GRANEROS</b>									
7,400.0	0.00	0.00	7,358.8	456.1	-365.3	584.4	0.00	0.00	0.00
7,411.2	0.00	0.00	7,370.0	456.1	-365.3	584.4	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well MSH 13-15
<b>Company:</b>	Bayswater Exploration & Production, LLC	<b>TVD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Project:</b>	SEC.15-T7N-R67W	<b>MD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Site:</b>	MSH Farms 12-15 Pad Sec.15-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	MSH 13-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-22-13)		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
770.0	770.0	8 5/8"	8-5/8	12-1/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,488.4	3,466.0	PARKMAN		0.00		
4,281.8	4,251.0	SUSSEX		0.00		
4,620.4	4,586.0	SHANNON		0.00		
6,957.2	6,916.0	NIOBRARA		0.00		
7,213.2	7,172.0	FORT HAYS		0.00		
7,261.2	7,220.0	CODELL		0.00		
7,321.2	7,280.0	GREENHORN		0.00		
7,387.2	7,346.0	GRANEROS		0.00		





**Directional**

## **Bayswater Exploration & Production, LLC**

**SEC.15-T7N-R67W**

**MSH Farms 12-15 Pad Sec.15-T7N-R67W**

**MSH 13-15**

**Wellbore #1**

**Plan #1 (4-22-13)**

## **Anticollision Report**

**22 April, 2013**



**Directional**

<b>Company:</b>	Bayswater Exploration & Production, LLC	<b>Local Co-ordinate Reference:</b>	Well MSH 13-15
<b>Project:</b>	SEC.15-T7N-R67W	<b>TVD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Reference Site:</b>	MSH Farms 12-15 Pad Sec.15-T7N-R67W	<b>MD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	MSH 13-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-22-13)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1 (4-22-13)		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.0ft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>	<b>Date</b> 4/22/2013			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	7,411.2	Plan #1 (4-22-13) (Wellbore #1)	MWD	MWD - Standard

<b>Summary</b>						
<b>Site Name</b>	<b>Reference Measured Depth (ft)</b>	<b>Offset Measured Depth (ft)</b>	<b>Distance Between Centres (ft)</b>	<b>Distance Between Ellipses (ft)</b>	<b>Separation Factor</b>	<b>Warning</b>
<b>Offset Well - Wellbore - Design</b>						
MSH Farms 12-15 Pad Sec.15-T7N-R67W						
MSH Farms 12-15 - Wellbore #1 - Plan #1 (4-19-13)	332.4	332.4	14.7	13.4	11.544	CC, ES
MSH Farms 12-15 - Wellbore #1 - Plan #1 (4-19-13)	500.0	499.2	19.4	17.3	9.434	SF

<b>Offset Design</b> MSH Farms 12-15 Pad Sec.15-T7N-R67W - MSH Farms 12-15 - Wellbore #1 - Plan #1 (4-19-13)												
Survey Program: 0-MWD												
<b>Reference</b>	<b>Offset</b>	<b>Semi Major Axis</b>		<b>Distance</b>								
<b>Measured Depth (ft)</b>	<b>Vertical Depth (ft)</b>	<b>Measured Depth (ft)</b>	<b>Vertical Depth (ft)</b>	<b>Reference (ft)</b>	<b>Offset (ft)</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre +N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Between Centres (ft)</b>	<b>Between Ellipses (ft)</b>	<b>Minimum Separation (ft)</b>	<b>Separation Factor</b>
0.0	0.0	0.0	0.0	0.0	0.0	89.97	0.0	15.0	15.0	15.0	0.00	N/A
100.0	100.0	100.0	100.0	0.1	0.1	89.97	0.0	15.0	15.0	14.8	0.22	66.749
200.0	200.0	200.0	200.0	0.3	0.3	89.97	0.0	15.0	15.0	14.3	0.67	22.250
300.0	300.0	300.1	300.0	0.6	0.6	83.31	1.7	14.6	14.7	13.6	1.12	13.111
332.4	332.4	332.4	332.4	0.6	0.6	78.20	3.0	14.4	14.7	13.4	1.27	11.544 CC, ES
400.0	400.0	399.9	399.7	0.8	0.8	63.29	6.8	13.6	15.2	13.6	1.58	9.624
500.0	500.0	499.2	498.7	1.0	1.0	37.68	15.3	11.8	19.4	17.3	2.05	9.434 SF
600.0	600.0	597.9	596.6	1.2	1.3	19.12	27.0	9.4	28.8	26.2	2.55	11.275
700.0	700.0	695.5	693.1	1.5	1.6	8.51	41.9	6.3	42.9	39.8	3.07	13.959
800.0	800.0	792.1	787.9	1.7	2.0	2.44	59.7	2.5	61.0	57.4	3.61	16.893
900.0	900.0	887.3	880.7	1.9	2.4	-1.26	80.3	-1.8	82.6	78.5	4.16	19.840
1,000.0	1,000.0	980.9	971.3	2.1	2.8	-3.66	103.6	-6.6	107.7	102.9	4.74	22.708
1,100.0	1,100.0	1,072.9	1,059.5	2.4	3.3	-5.30	129.2	-12.0	135.9	130.6	5.34	25.459
1,200.0	1,200.0	1,163.5	1,145.5	2.6	3.9	32.21	157.1	-17.8	165.9	160.5	5.39	30.801
1,300.0	1,299.8	1,253.2	1,229.7	2.8	4.4	31.75	187.4	-24.1	196.0	190.1	5.87	33.383
1,400.0	1,399.5	1,347.4	1,317.3	3.0	5.1	31.76	221.1	-31.2	225.4	219.0	6.38	35.347
1,500.0	1,498.7	1,443.7	1,406.9	3.3	5.8	32.16	255.6	-38.4	252.1	245.2	6.91	36.495
1,600.0	1,597.6	1,540.5	1,497.0	3.5	6.4	32.94	290.3	-45.6	276.9	269.4	7.47	37.092
1,700.0	1,696.6	1,637.3	1,587.1	3.8	7.1	33.64	325.0	-52.9	301.7	293.7	8.04	37.536
1,800.0	1,795.5	1,734.1	1,677.2	4.1	7.8	34.23	359.7	-60.1	326.6	318.0	8.62	37.877
1,900.0	1,894.5	1,830.9	1,767.3	4.4	8.5	34.74	394.4	-67.4	351.5	342.3	9.22	38.140
2,000.0	1,993.4	1,927.7	1,857.3	4.7	9.2	35.18	429.1	-74.6	376.4	366.6	9.82	38.343
2,100.0	2,092.3	2,024.5	1,947.4	5.0	9.9	35.57	463.8	-81.9	401.3	390.9	10.42	38.500
2,200.0	2,191.3	2,121.4	2,037.5	5.4	10.6	35.91	498.5	-89.1	426.3	415.2	11.04	38.622
2,300.0	2,290.2	2,218.2	2,127.6	5.7	11.3	36.21	533.2	-96.4	451.2	439.6	11.65	38.716

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

<b>Company:</b>	Bayswater Exploration & Production, LLC	<b>Local Co-ordinate Reference:</b>	Well MSH 13-15
<b>Project:</b>	SEC.15-T7N-R67W	<b>TVD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Reference Site:</b>	MSH Farms 12-15 Pad Sec.15-T7N-R67W	<b>MD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	MSH 13-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-22-13)	<b>Offset TVD Reference:</b>	Offset Datum

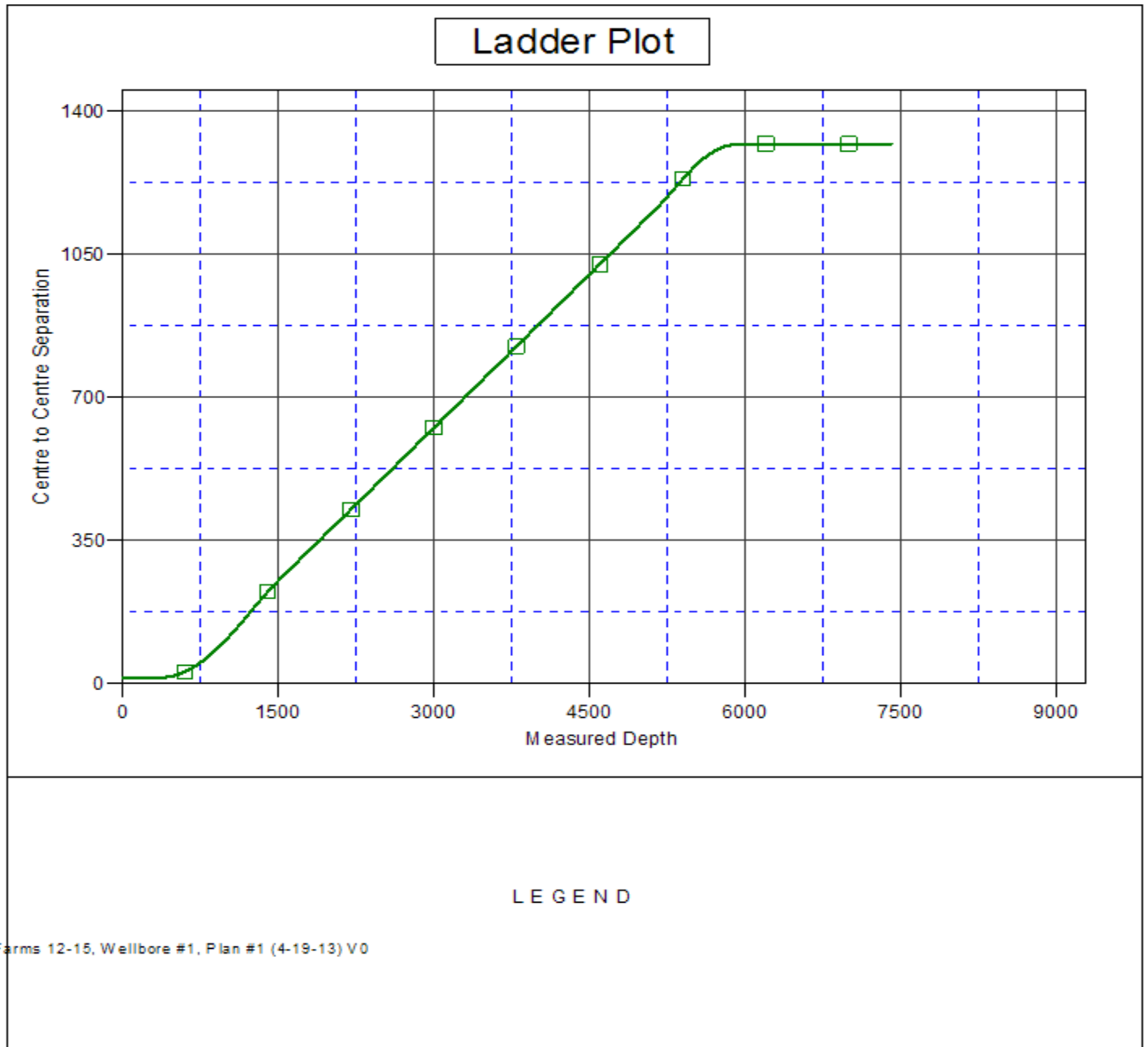
Offset Design MSH Farms 12-15 Pad Sec.15-T7N-R67W - MSH Farms 12-15 - Wellbore #1 - Plan #1 (4-19-13)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured 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	
2,400.0	2,389.2	2,315.0	2,217.7	6.0	12.0	36.48	567.9	-103.6	476.2	463.9	12.28	38.788	
2,500.0	2,488.1	2,411.8	2,307.8	6.3	12.7	36.73	602.7	-110.9	501.2	488.3	12.90	38.843	
2,600.0	2,587.0	2,508.6	2,397.8	6.7	13.4	36.95	637.4	-118.1	526.2	512.6	13.53	38.884	
2,700.0	2,686.0	2,605.4	2,487.9	7.0	14.1	37.15	672.1	-125.4	551.1	537.0	14.16	38.914	
2,800.0	2,784.9	2,702.2	2,578.0	7.3	14.8	37.34	706.8	-132.6	576.1	561.3	14.80	38.936	
2,900.0	2,883.9	2,799.0	2,668.1	7.7	15.5	37.50	741.5	-139.8	601.1	585.7	15.43	38.951	
3,000.0	2,982.8	2,895.8	2,758.2	8.0	16.2	37.66	776.2	-147.1	626.2	610.1	16.07	38.960	
3,100.0	3,081.7	2,992.6	2,848.3	8.3	16.9	37.80	810.9	-154.3	651.2	634.5	16.71	38.964	
3,200.0	3,180.7	3,089.4	2,938.3	8.7	17.6	37.94	845.6	-161.6	676.2	658.8	17.35	38.965	
3,300.0	3,279.6	3,186.3	3,028.4	9.0	18.3	38.06	880.3	-168.8	701.2	683.2	18.00	38.963	
3,400.0	3,378.6	3,283.1	3,118.5	9.4	19.0	38.17	915.0	-176.1	726.2	707.6	18.64	38.959	
3,500.0	3,477.5	3,379.9	3,208.6	9.7	19.7	38.28	949.7	-183.3	751.2	732.0	19.29	38.952	
3,600.0	3,576.4	3,476.7	3,298.7	10.1	20.4	38.38	984.4	-190.6	776.3	756.3	19.93	38.944	
3,700.0	3,675.4	3,573.5	3,388.8	10.4	21.1	38.47	1,019.1	-197.8	801.3	780.7	20.58	38.935	
3,800.0	3,774.3	3,670.3	3,478.9	10.7	21.8	38.56	1,053.8	-205.1	826.3	805.1	21.23	38.925	
3,900.0	3,873.3	3,767.1	3,568.9	11.1	22.5	38.65	1,088.5	-212.3	851.4	829.5	21.88	38.914	
4,000.0	3,972.2	3,863.9	3,659.0	11.4	23.2	38.72	1,123.2	-219.6	876.4	853.9	22.53	38.903	
4,100.0	4,071.1	3,960.7	3,749.1	11.8	23.9	38.80	1,157.9	-226.8	901.4	878.2	23.18	38.891	
4,200.0	4,170.1	4,057.5	3,839.2	12.1	24.6	38.87	1,192.6	-234.1	926.5	902.6	23.83	38.879	
4,300.0	4,269.0	4,154.4	3,929.3	12.5	25.3	38.93	1,227.3	-241.3	951.5	927.0	24.48	38.867	
4,400.0	4,368.0	4,251.2	4,019.4	12.8	26.0	39.00	1,262.0	-248.6	976.5	951.4	25.13	38.854	
4,500.0	4,466.9	4,348.0	4,109.4	13.2	26.7	39.06	1,296.7	-255.8	1,001.6	975.8	25.79	38.841	
4,600.0	4,565.8	4,444.8	4,199.5	13.5	27.4	39.11	1,331.4	-263.1	1,026.6	1,000.2	26.44	38.829	
4,700.0	4,664.8	4,541.6	4,289.6	13.9	28.1	39.17	1,366.1	-270.3	1,051.6	1,024.6	27.09	38.816	
4,800.0	4,763.7	4,638.4	4,379.7	14.2	28.8	39.22	1,400.9	-277.6	1,076.7	1,048.9	27.75	38.803	
4,900.0	4,862.7	4,735.2	4,469.8	14.6	29.5	39.27	1,435.6	-284.8	1,101.7	1,073.3	28.40	38.791	
5,000.0	4,961.6	4,832.0	4,559.9	14.9	30.2	39.32	1,470.3	-292.1	1,126.8	1,097.7	29.06	38.778	
5,100.0	5,060.5	4,928.8	4,649.9	15.3	30.9	39.36	1,505.0	-299.3	1,151.8	1,122.1	29.71	38.766	
5,200.0	5,159.6	5,025.4	4,739.8	15.6	31.6	39.63	1,539.6	-306.5	1,177.6	1,147.3	30.32	38.846	
5,300.0	5,259.1	5,121.3	4,829.1	15.8	32.3	39.91	1,574.0	-313.7	1,205.9	1,175.1	30.82	39.126	
5,400.0	5,358.9	5,268.3	4,966.7	16.0	33.2	40.02	1,624.2	-324.2	1,235.3	1,203.9	31.38	39.372	
5,500.0	5,458.8	5,435.6	5,126.5	16.2	34.0	40.00	1,673.0	-334.4	1,262.0	1,230.2	31.85	39.619	
5,600.0	5,558.8	5,607.2	5,293.0	16.3	34.7	1.02	1,713.5	-342.9	1,285.4	1,253.1	32.30	39.792	
5,700.0	5,658.8	5,783.2	5,466.0	16.5	35.3	0.71	1,744.8	-349.4	1,303.1	1,270.3	32.79	39.747	
5,800.0	5,758.8	5,962.5	5,644.0	16.6	35.7	0.50	1,766.0	-353.8	1,314.9	1,281.6	33.25	39.548	
5,900.0	5,858.8	6,143.9	5,825.1	16.8	35.9	0.41	1,776.2	-356.0	1,320.5	1,286.9	33.68	39.206	
6,000.0	5,958.8	6,277.7	5,958.8	17.0	36.1	0.40	1,777.2	-356.2	1,321.1	1,287.0	34.04	38.806	
6,100.0	6,058.8	6,377.7	6,058.8	17.1	36.1	0.40	1,777.2	-356.2	1,321.1	1,286.7	34.38	38.429	
6,200.0	6,158.8	6,477.7	6,158.8	17.3	36.2	0.40	1,777.2	-356.2	1,321.1	1,286.4	34.72	38.054	
6,300.0	6,258.8	6,577.7	6,258.8	17.5	36.3	0.40	1,777.2	-356.2	1,321.1	1,286.0	35.06	37.683	
6,400.0	6,358.8	6,677.7	6,358.8	17.7	36.4	0.40	1,777.2	-356.2	1,321.1	1,285.7	35.40	37.318	
6,500.0	6,458.8	6,777.7	6,458.8	17.8	36.4	0.40	1,777.2	-356.2	1,321.1	1,285.3	35.75	36.957	
6,600.0	6,558.8	6,877.7	6,558.8	18.0	36.5	0.40	1,777.2	-356.2	1,321.1	1,285.0	36.09	36.601	
6,700.0	6,658.8	6,977.7	6,658.8	18.2	36.6	0.40	1,777.2	-356.2	1,321.1	1,284.6	36.44	36.249	
6,800.0	6,758.8	7,077.7	6,758.8	18.4	36.7	0.40	1,777.2	-356.2	1,321.1	1,284.3	36.80	35.902	
6,900.0	6,858.8	7,177.7	6,858.8	18.5	36.8	0.40	1,777.2	-356.2	1,321.1	1,283.9	37.15	35.560	
7,000.0	6,958.8	7,277.7	6,958.8	18.7	36.8	0.40	1,777.2	-356.2	1,321.1	1,283.6	37.51	35.223	
7,100.0	7,058.8	7,377.7	7,058.8	18.9	36.9	0.40	1,777.2	-356.2	1,321.1	1,283.2	37.86	34.890	
7,200.0	7,158.8	7,477.7	7,158.8	19.1	37.0	0.40	1,777.2	-356.2	1,321.1	1,282.8	38.22	34.561	
7,300.0	7,258.8	7,577.7	7,258.8	19.3	37.1	0.40	1,777.2	-356.2	1,321.1	1,282.5	38.59	34.237	
7,400.0	7,358.8	7,677.7	7,358.8	19.4	37.2	0.40	1,777.2	-356.2	1,321.1	1,282.1	38.95	33.918	
7,411.2	7,370.0	7,678.9	7,360.0	19.5	37.2	0.40	1,777.2	-356.2	1,321.1	1,282.1	38.97	33.898	

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

<b>Company:</b>	Bayswater Exploration & Production, LLC	<b>Local Co-ordinate Reference:</b>	Well MSH 13-15
<b>Project:</b>	SEC.15-T7N-R67W	<b>TVD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Reference Site:</b>	MSH Farms 12-15 Pad Sec.15-T7N-R67W	<b>MD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	MSH 13-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-22-13)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 5070.0ft (Original Well Elev)Coordinates are relative to: MSH 13-15  
Offset Depths are relative to Offset Datum  
Central Meridian is -105.500000 °

Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.40°



<b>Company:</b>	Bayswater Exploration & Production, LLC	<b>Local Co-ordinate Reference:</b>	Well MSH 13-15
<b>Project:</b>	SEC.15-T7N-R67W	<b>TVD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Reference Site:</b>	MSH Farms 12-15 Pad Sec.15-T7N-R67W	<b>MD Reference:</b>	WELL @ 5070.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	MSH 13-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-22-13)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 5070.0ft (Original Well Elev) Coordinates are relative to: MSH 13-15  
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: 0.40°

