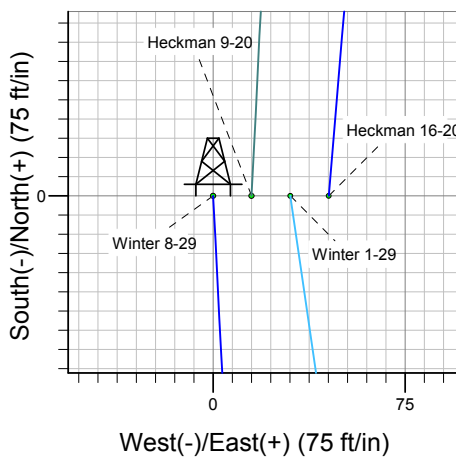
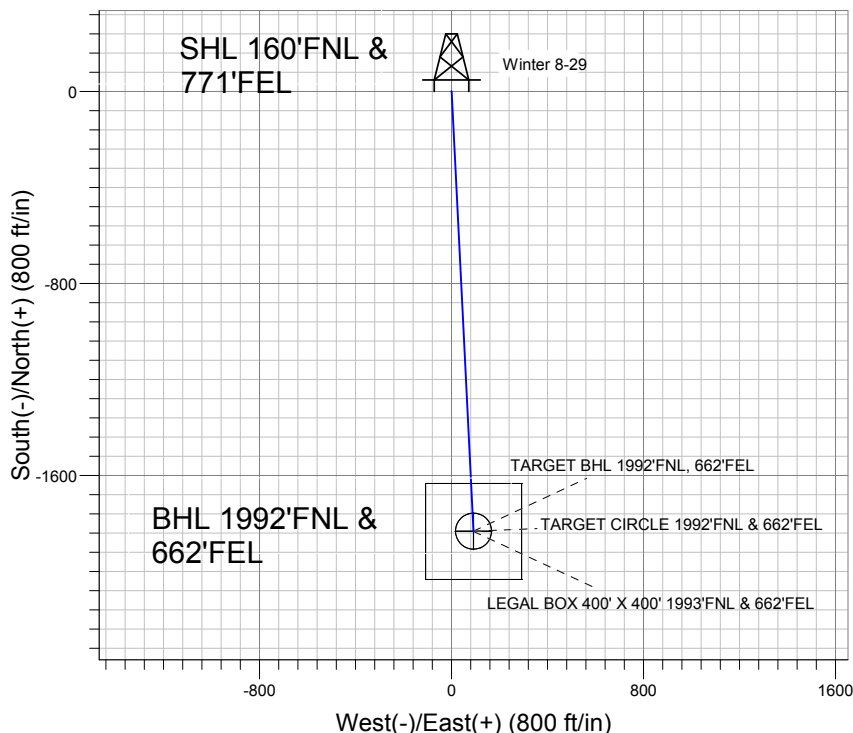
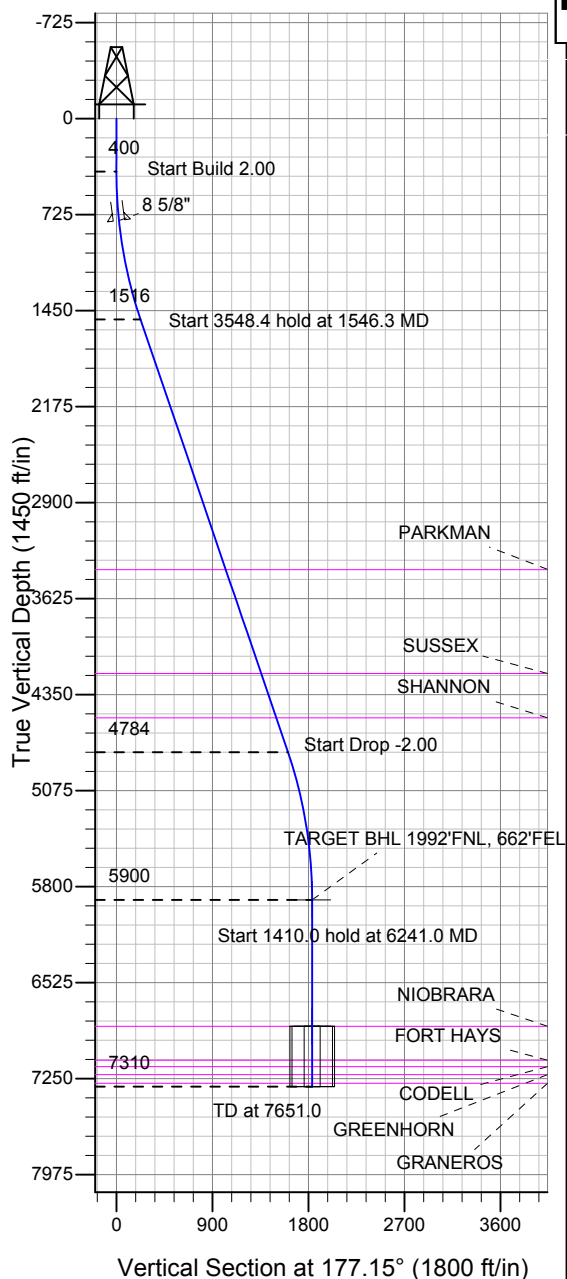


Bayswater Exploration & Production, LLC



Winter 8-29
Plan #1 (4-23-13)
14:06, May 06 2013



Azimuths to True North
Magnetic North: 8.70°

Magnetic Field
Strength: 52996.6snT
Dip Angle: 67.08°
Date: 4/30/2013
Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 1992'FNL, 662'FEL	5900.0	-1832.5	91.2	40.547086	-104.910288	Point
LEGAL BOX 400' X 400' 1993'FNL & 662'FEL	6855.0	-1833.5	91.2	40.547083	-104.910288	Rectangle (Sides: L400.0 W400.0)
TARGET CIRCLE 1992'FNL & 662'FEL	6855.0	-1832.5	91.2	40.547086	-104.910288	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	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	
3	1546.3	22.93	177.15	1515.9	-226.0	11.2	2.00	177.15	226.3	
4	5094.7	22.93	177.15	4784.1	-1606.5	80.0	0.00	0.00	1608.5	
5	6241.0	0.00	0.00	5900.0	-1832.5	91.2	2.00	180.00	1834.8	TARGET BHL 1992'FNL, 662'FEL
6	7651.0	0.00	0.00	7310.0	-1832.5	91.2	0.00	0.00	1834.8	



Bayswater Exploration & Production, LLC

SEC.29-T7N-R67W

Heckman/Winter Pad Sec.29-T7N-R67W

Winter 8-29

Wellbore #1

Plan: Plan #1 (4-23-13)

Standard Planning Report

03 May, 2013



Database:	Landmark	Local Co-ordinate Reference:	Well Winter 8-29
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Project:	SEC.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site:	Heckman/Winter Pad Sec.29-T7N-R67W	North Reference:	True
Well:	Winter 8-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-23-13)		

Project	SEC.29-T7N-R67W, 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						Heckman/Winter Pad Sec.29-T7N-R67W											
Site Position:						Northing:			1,444,521.15 ft			Latitude:			40.552116		
From:			Lat/Long			Easting:			3,163,795.02 ft			Longitude:			-104.910562		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.38 °		

Well	Winter 8-29					
Well Position	+N/-S	0.0 ft	Northing:	1,444,521.04 ft	Latitude:	40.552116
	+E/-W	-15.0 ft	Easting:	3,163,780.01 ft	Longitude:	-104.910616
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,972.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/30/2013	8.70	67.08	52,997

Design	Plan #1 (4-23-13)			
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	177.15

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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,546.3	22.93	177.15	1,515.9	-226.0	11.2	2.00	2.00	0.00	177.15	
5,094.7	22.93	177.15	4,784.1	-1,606.5	80.0	0.00	0.00	0.00	0.00	
6,241.0	0.00	0.00	5,900.0	-1,832.5	91.2	2.00	-2.00	0.00	180.00	TARGET BHL 1992
7,651.0	0.00	0.00	7,310.0	-1,832.5	91.2	0.00	0.00	0.00	0.00	

Database:	Landmark	Local Co-ordinate Reference:	Well Winter 8-29
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Project:	SEC.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site:	Heckman/Winter Pad Sec.29-T7N-R67W	North Reference:	True
Well:	Winter 8-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-23-13)		

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	0.80	177.15	440.0	-0.3	0.0	0.3	2.00	2.00	0.00
480.0	1.60	177.15	480.0	-1.1	0.1	1.1	2.00	2.00	0.00
520.0	2.40	177.15	520.0	-2.5	0.1	2.5	2.00	2.00	0.00
560.0	3.20	177.15	559.9	-4.5	0.2	4.5	2.00	2.00	0.00
600.0	4.00	177.15	599.8	-7.0	0.3	7.0	2.00	2.00	0.00
640.0	4.80	177.15	639.7	-10.0	0.5	10.0	2.00	2.00	0.00
680.0	5.60	177.15	679.6	-13.7	0.7	13.7	2.00	2.00	0.00
720.0	6.40	177.15	719.3	-17.8	0.9	17.9	2.00	2.00	0.00
760.0	7.20	177.15	759.1	-22.6	1.1	22.6	2.00	2.00	0.00
771.0	7.42	177.15	770.0	-24.0	1.2	24.0	2.00	2.00	0.00
8 5/8"									
800.0	8.00	177.15	798.7	-27.8	1.4	27.9	2.00	2.00	0.00
840.0	8.80	177.15	838.3	-33.7	1.7	33.7	2.00	2.00	0.00
880.0	9.60	177.15	877.8	-40.1	2.0	40.1	2.00	2.00	0.00
920.0	10.40	177.15	917.1	-47.0	2.3	47.1	2.00	2.00	0.00
960.0	11.20	177.15	956.4	-54.5	2.7	54.6	2.00	2.00	0.00
1,000.0	12.00	177.15	995.6	-62.5	3.1	62.6	2.00	2.00	0.00
1,040.0	12.80	177.15	1,034.7	-71.1	3.5	71.2	2.00	2.00	0.00
1,080.0	13.60	177.15	1,073.6	-80.2	4.0	80.3	2.00	2.00	0.00
1,120.0	14.40	177.15	1,112.4	-89.9	4.5	90.0	2.00	2.00	0.00
1,160.0	15.20	177.15	1,151.1	-100.1	5.0	100.2	2.00	2.00	0.00
1,200.0	16.00	177.15	1,189.6	-110.8	5.5	111.0	2.00	2.00	0.00
1,240.0	16.80	177.15	1,228.0	-122.1	6.1	122.3	2.00	2.00	0.00
1,280.0	17.60	177.15	1,266.2	-133.9	6.7	134.1	2.00	2.00	0.00
1,320.0	18.40	177.15	1,304.3	-146.3	7.3	146.5	2.00	2.00	0.00
1,360.0	19.20	177.15	1,342.1	-159.2	7.9	159.3	2.00	2.00	0.00
1,400.0	20.00	177.15	1,379.8	-172.6	8.6	172.8	2.00	2.00	0.00
1,440.0	20.80	177.15	1,417.3	-186.5	9.3	186.7	2.00	2.00	0.00
1,480.0	21.60	177.15	1,454.6	-200.9	10.0	201.2	2.00	2.00	0.00
1,520.0	22.40	177.15	1,491.7	-215.9	10.7	216.2	2.00	2.00	0.00
1,546.3	22.93	177.15	1,515.9	-226.0	11.2	226.3	2.00	2.00	0.00
1,560.0	22.93	177.15	1,528.6	-231.3	11.5	231.6	0.00	0.00	0.00
1,600.0	22.93	177.15	1,565.4	-246.9	12.3	247.2	0.00	0.00	0.00
1,640.0	22.93	177.15	1,602.3	-262.5	13.1	262.8	0.00	0.00	0.00
1,680.0	22.93	177.15	1,639.1	-278.0	13.8	278.4	0.00	0.00	0.00
1,720.0	22.93	177.15	1,675.9	-293.6	14.6	294.0	0.00	0.00	0.00
1,760.0	22.93	177.15	1,712.8	-309.2	15.4	309.5	0.00	0.00	0.00
1,800.0	22.93	177.15	1,749.6	-324.7	16.2	325.1	0.00	0.00	0.00
1,840.0	22.93	177.15	1,786.5	-340.3	16.9	340.7	0.00	0.00	0.00
1,880.0	22.93	177.15	1,823.3	-355.8	17.7	356.3	0.00	0.00	0.00
1,920.0	22.93	177.15	1,860.1	-371.4	18.5	371.9	0.00	0.00	0.00
1,960.0	22.93	177.15	1,897.0	-387.0	19.3	387.4	0.00	0.00	0.00
2,000.0	22.93	177.15	1,933.8	-402.5	20.0	403.0	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Winter 8-29
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Project:	SEC.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site:	Heckman/Winter Pad Sec.29-T7N-R67W	North Reference:	True
Well:	Winter 8-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-23-13)		

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)
2,040.0	22.93	177.15	1,970.7	-418.1	20.8	418.6	0.00	0.00	0.00
2,080.0	22.93	177.15	2,007.5	-433.6	21.6	434.2	0.00	0.00	0.00
2,120.0	22.93	177.15	2,044.3	-449.2	22.4	449.8	0.00	0.00	0.00
2,160.0	22.93	177.15	2,081.2	-464.8	23.1	465.3	0.00	0.00	0.00
2,200.0	22.93	177.15	2,118.0	-480.3	23.9	480.9	0.00	0.00	0.00
2,240.0	22.93	177.15	2,154.9	-495.9	24.7	496.5	0.00	0.00	0.00
2,280.0	22.93	177.15	2,191.7	-511.5	25.5	512.1	0.00	0.00	0.00
2,320.0	22.93	177.15	2,228.5	-527.0	26.2	527.7	0.00	0.00	0.00
2,360.0	22.93	177.15	2,265.4	-542.6	27.0	543.3	0.00	0.00	0.00
2,400.0	22.93	177.15	2,302.2	-558.1	27.8	558.8	0.00	0.00	0.00
2,440.0	22.93	177.15	2,339.1	-573.7	28.6	574.4	0.00	0.00	0.00
2,480.0	22.93	177.15	2,375.9	-589.3	29.3	590.0	0.00	0.00	0.00
2,520.0	22.93	177.15	2,412.7	-604.8	30.1	605.6	0.00	0.00	0.00
2,560.0	22.93	177.15	2,449.6	-620.4	30.9	621.2	0.00	0.00	0.00
2,600.0	22.93	177.15	2,486.4	-636.0	31.7	636.7	0.00	0.00	0.00
2,640.0	22.93	177.15	2,523.3	-651.5	32.4	652.3	0.00	0.00	0.00
2,680.0	22.93	177.15	2,560.1	-667.1	33.2	667.9	0.00	0.00	0.00
2,720.0	22.93	177.15	2,596.9	-682.6	34.0	683.5	0.00	0.00	0.00
2,760.0	22.93	177.15	2,633.8	-698.2	34.8	699.1	0.00	0.00	0.00
2,800.0	22.93	177.15	2,670.6	-713.8	35.5	714.7	0.00	0.00	0.00
2,840.0	22.93	177.15	2,707.5	-729.3	36.3	730.2	0.00	0.00	0.00
2,880.0	22.93	177.15	2,744.3	-744.9	37.1	745.8	0.00	0.00	0.00
2,920.0	22.93	177.15	2,781.2	-760.5	37.8	761.4	0.00	0.00	0.00
2,960.0	22.93	177.15	2,818.0	-776.0	38.6	777.0	0.00	0.00	0.00
3,000.0	22.93	177.15	2,854.8	-791.6	39.4	792.6	0.00	0.00	0.00
3,040.0	22.93	177.15	2,891.7	-807.1	40.2	808.1	0.00	0.00	0.00
3,080.0	22.93	177.15	2,928.5	-822.7	40.9	823.7	0.00	0.00	0.00
3,120.0	22.93	177.15	2,965.4	-838.3	41.7	839.3	0.00	0.00	0.00
3,160.0	22.93	177.15	3,002.2	-853.8	42.5	854.9	0.00	0.00	0.00
3,200.0	22.93	177.15	3,039.0	-869.4	43.3	870.5	0.00	0.00	0.00
3,240.0	22.93	177.15	3,075.9	-884.9	44.0	886.0	0.00	0.00	0.00
3,280.0	22.93	177.15	3,112.7	-900.5	44.8	901.6	0.00	0.00	0.00
3,320.0	22.93	177.15	3,149.6	-916.1	45.6	917.2	0.00	0.00	0.00
3,360.0	22.93	177.15	3,186.4	-931.6	46.4	932.8	0.00	0.00	0.00
3,400.0	22.93	177.15	3,223.2	-947.2	47.1	948.4	0.00	0.00	0.00
3,440.0	22.93	177.15	3,260.1	-962.8	47.9	964.0	0.00	0.00	0.00
3,480.0	22.93	177.15	3,296.9	-978.3	48.7	979.5	0.00	0.00	0.00
3,520.0	22.93	177.15	3,333.8	-993.9	49.5	995.1	0.00	0.00	0.00
3,560.0	22.93	177.15	3,370.6	-1,009.4	50.2	1,010.7	0.00	0.00	0.00
3,597.4	22.93	177.15	3,405.0	-1,024.0	51.0	1,025.2	0.00	0.00	0.00
PARKMAN									
3,600.0	22.93	177.15	3,407.4	-1,025.0	51.0	1,026.3	0.00	0.00	0.00
3,640.0	22.93	177.15	3,444.3	-1,040.6	51.8	1,041.9	0.00	0.00	0.00
3,680.0	22.93	177.15	3,481.1	-1,056.1	52.6	1,057.4	0.00	0.00	0.00
3,720.0	22.93	177.15	3,518.0	-1,071.7	53.3	1,073.0	0.00	0.00	0.00
3,760.0	22.93	177.15	3,554.8	-1,087.3	54.1	1,088.6	0.00	0.00	0.00
3,800.0	22.93	177.15	3,591.6	-1,102.8	54.9	1,104.2	0.00	0.00	0.00
3,840.0	22.93	177.15	3,628.5	-1,118.4	55.7	1,119.8	0.00	0.00	0.00
3,880.0	22.93	177.15	3,665.3	-1,133.9	56.4	1,135.3	0.00	0.00	0.00
3,920.0	22.93	177.15	3,702.2	-1,149.5	57.2	1,150.9	0.00	0.00	0.00
3,960.0	22.93	177.15	3,739.0	-1,165.1	58.0	1,166.5	0.00	0.00	0.00
4,000.0	22.93	177.15	3,775.8	-1,180.6	58.8	1,182.1	0.00	0.00	0.00
4,040.0	22.93	177.15	3,812.7	-1,196.2	59.5	1,197.7	0.00	0.00	0.00

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Project:	SEC.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site:	Heckman/Winter Pad Sec.29-T7N-R67W	North Reference:	True
Well:	Winter 8-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-23-13)		

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)
4,080.0	22.93	177.15	3,849.5	-1,211.8	60.3	1,213.3	0.00	0.00	0.00
4,120.0	22.93	177.15	3,886.4	-1,227.3	61.1	1,228.8	0.00	0.00	0.00
4,160.0	22.93	177.15	3,923.2	-1,242.9	61.9	1,244.4	0.00	0.00	0.00
4,200.0	22.93	177.15	3,960.0	-1,258.4	62.6	1,260.0	0.00	0.00	0.00
4,240.0	22.93	177.15	3,996.9	-1,274.0	63.4	1,275.6	0.00	0.00	0.00
4,280.0	22.93	177.15	4,033.7	-1,289.6	64.2	1,291.2	0.00	0.00	0.00
4,320.0	22.93	177.15	4,070.6	-1,305.1	65.0	1,306.7	0.00	0.00	0.00
4,360.0	22.93	177.15	4,107.4	-1,320.7	65.7	1,322.3	0.00	0.00	0.00
4,400.0	22.93	177.15	4,144.2	-1,336.2	66.5	1,337.9	0.00	0.00	0.00
4,440.0	22.93	177.15	4,181.1	-1,351.8	67.3	1,353.5	0.00	0.00	0.00
4,449.7	22.93	177.15	4,190.0	-1,355.6	67.5	1,357.3	0.00	0.00	0.00
SUSSEX									
4,480.0	22.93	177.15	4,217.9	-1,367.4	68.1	1,369.1	0.00	0.00	0.00
4,520.0	22.93	177.15	4,254.8	-1,382.9	68.8	1,384.6	0.00	0.00	0.00
4,560.0	22.93	177.15	4,291.6	-1,398.5	69.6	1,400.2	0.00	0.00	0.00
4,600.0	22.93	177.15	4,328.5	-1,414.1	70.4	1,415.8	0.00	0.00	0.00
4,640.0	22.93	177.15	4,365.3	-1,429.6	71.2	1,431.4	0.00	0.00	0.00
4,680.0	22.93	177.15	4,402.1	-1,445.2	71.9	1,447.0	0.00	0.00	0.00
4,720.0	22.93	177.15	4,439.0	-1,460.7	72.7	1,462.6	0.00	0.00	0.00
4,760.0	22.93	177.15	4,475.8	-1,476.3	73.5	1,478.1	0.00	0.00	0.00
4,800.0	22.93	177.15	4,512.7	-1,491.9	74.3	1,493.7	0.00	0.00	0.00
4,813.4	22.93	177.15	4,525.0	-1,497.1	74.5	1,498.9	0.00	0.00	0.00
SHANNON									
4,840.0	22.93	177.15	4,549.5	-1,507.4	75.0	1,509.3	0.00	0.00	0.00
4,880.0	22.93	177.15	4,586.3	-1,523.0	75.8	1,524.9	0.00	0.00	0.00
4,920.0	22.93	177.15	4,623.2	-1,538.6	76.6	1,540.5	0.00	0.00	0.00
4,960.0	22.93	177.15	4,660.0	-1,554.1	77.4	1,556.0	0.00	0.00	0.00
5,000.0	22.93	177.15	4,696.9	-1,569.7	78.1	1,571.6	0.00	0.00	0.00
5,040.0	22.93	177.15	4,733.7	-1,585.2	78.9	1,587.2	0.00	0.00	0.00
5,080.0	22.93	177.15	4,770.5	-1,600.8	79.7	1,602.8	0.00	0.00	0.00
5,094.7	22.93	177.15	4,784.1	-1,606.5	80.0	1,608.5	0.00	0.00	0.00
5,120.0	22.42	177.15	4,807.4	-1,616.3	80.4	1,618.3	2.00	-2.00	0.00
5,160.0	21.62	177.15	4,844.5	-1,631.2	81.2	1,633.3	2.00	-2.00	0.00
5,200.0	20.82	177.15	4,881.8	-1,645.7	81.9	1,647.7	2.00	-2.00	0.00
5,240.0	20.02	177.15	4,919.3	-1,659.6	82.6	1,661.7	2.00	-2.00	0.00
5,280.0	19.22	177.15	4,957.0	-1,673.1	83.3	1,675.1	2.00	-2.00	0.00
5,320.0	18.42	177.15	4,994.8	-1,685.9	83.9	1,688.0	2.00	-2.00	0.00
5,360.0	17.62	177.15	5,032.9	-1,698.3	84.5	1,700.4	2.00	-2.00	0.00
5,400.0	16.82	177.15	5,071.1	-1,710.1	85.1	1,712.2	2.00	-2.00	0.00
5,440.0	16.02	177.15	5,109.4	-1,721.4	85.7	1,723.5	2.00	-2.00	0.00
5,480.0	15.22	177.15	5,148.0	-1,732.2	86.2	1,734.3	2.00	-2.00	0.00
5,520.0	14.42	177.15	5,186.6	-1,742.4	86.7	1,744.5	2.00	-2.00	0.00
5,560.0	13.62	177.15	5,225.4	-1,752.1	87.2	1,754.2	2.00	-2.00	0.00
5,600.0	12.82	177.15	5,264.4	-1,761.2	87.7	1,763.4	2.00	-2.00	0.00
5,640.0	12.02	177.15	5,303.4	-1,769.8	88.1	1,772.0	2.00	-2.00	0.00
5,680.0	11.22	177.15	5,342.6	-1,777.8	88.5	1,780.0	2.00	-2.00	0.00
5,720.0	10.42	177.15	5,381.9	-1,785.3	88.9	1,787.6	2.00	-2.00	0.00
5,760.0	9.62	177.15	5,421.3	-1,792.3	89.2	1,794.5	2.00	-2.00	0.00
5,800.0	8.82	177.15	5,460.8	-1,798.7	89.5	1,800.9	2.00	-2.00	0.00
5,840.0	8.02	177.15	5,500.3	-1,804.5	89.8	1,806.8	2.00	-2.00	0.00
5,880.0	7.22	177.15	5,540.0	-1,809.8	90.1	1,812.1	2.00	-2.00	0.00
5,920.0	6.42	177.15	5,579.7	-1,814.6	90.3	1,816.8	2.00	-2.00	0.00
5,960.0	5.62	177.15	5,619.5	-1,818.8	90.5	1,821.0	2.00	-2.00	0.00
6,000.0	4.82	177.15	5,659.3	-1,822.4	90.7	1,824.7	2.00	-2.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Winter 8-29
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Project:	SEC.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site:	Heckman/Winter Pad Sec.29-T7N-R67W	North Reference:	True
Well:	Winter 8-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-23-13)		

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)
6,040.0	4.02	177.15	5,699.2	-1,825.5	90.9	1,827.7	2.00	-2.00	0.00
6,080.0	3.22	177.15	5,739.1	-1,828.0	91.0	1,830.3	2.00	-2.00	0.00
6,120.0	2.42	177.15	5,779.1	-1,830.0	91.1	1,832.2	2.00	-2.00	0.00
6,160.0	1.62	177.15	5,819.0	-1,831.4	91.2	1,833.6	2.00	-2.00	0.00
6,200.0	0.82	177.15	5,859.0	-1,832.2	91.2	1,834.5	2.00	-2.00	0.00
6,240.0	0.02	177.15	5,899.0	-1,832.5	91.2	1,834.8	2.00	-2.00	0.00
6,241.0	0.00	0.00	5,900.0	-1,832.5	91.2	1,834.8	2.00	-2.00	0.00
TARGET BHL 1992'FNL, 662'FEL									
6,280.0	0.00	0.00	5,939.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,320.0	0.00	0.00	5,979.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,360.0	0.00	0.00	6,019.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,400.0	0.00	0.00	6,059.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,440.0	0.00	0.00	6,099.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,480.0	0.00	0.00	6,139.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,520.0	0.00	0.00	6,179.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,560.0	0.00	0.00	6,219.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,600.0	0.00	0.00	6,259.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,640.0	0.00	0.00	6,299.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,680.0	0.00	0.00	6,339.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,720.0	0.00	0.00	6,379.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,760.0	0.00	0.00	6,419.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,459.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,840.0	0.00	0.00	6,499.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,880.0	0.00	0.00	6,539.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,920.0	0.00	0.00	6,579.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
6,960.0	0.00	0.00	6,619.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,000.0	0.00	0.00	6,659.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,040.0	0.00	0.00	6,699.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,080.0	0.00	0.00	6,739.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,120.0	0.00	0.00	6,779.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,160.0	0.00	0.00	6,819.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,196.0	0.00	0.00	6,855.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
NIOBRARA - TARGET CIRCLE 1992'FNL & 662'FEL - LEGAL BOX 400' X 400' 1993'FNL & 662'FEL									
7,200.0	0.00	0.00	6,859.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,240.0	0.00	0.00	6,899.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,280.0	0.00	0.00	6,939.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,320.0	0.00	0.00	6,979.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,360.0	0.00	0.00	7,019.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,400.0	0.00	0.00	7,059.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,440.0	0.00	0.00	7,099.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,452.0	0.00	0.00	7,111.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
FORT HAYS									
7,480.0	0.00	0.00	7,139.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,500.0	0.00	0.00	7,159.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
CODELL									
7,520.0	0.00	0.00	7,179.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,560.0	0.00	0.00	7,219.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
GREENHORN									
7,600.0	0.00	0.00	7,259.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,626.0	0.00	0.00	7,285.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
GRANEROS									
7,640.0	0.00	0.00	7,299.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00
7,651.0	0.00	0.00	7,310.0	-1,832.5	91.2	1,834.8	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Winter 8-29
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Project:	SEC.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site:	Heckman/Winter Pad Sec.29-T7N-R67W	North Reference:	True
Well:	Winter 8-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-23-13)		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
TARGET CIRCLE 1992'F	0.00	0.00	6,855.0	-1,832.5	91.2	1,442,689.22	3,163,883.40	40.547086	-104.910288
- plan hits target center									
- Circle (radius 75.0)									
LEGAL BOX 400' X 400'	0.00	0.00	6,855.0	-1,833.5	91.2	1,442,688.25	3,163,883.42	40.547083	-104.910288
- plan misses target center by 1.0ft at 7196.0ft MD (6855.0 TVD, -1832.5 N, 91.2 E)									
- Rectangle (sides W400.0 H400.0 D455.0)									
TARGET BHL 1992'F	0.00	0.00	5,900.0	-1,832.5	91.2	1,442,689.22	3,163,883.40	40.547086	-104.910288
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth	Name		Casing Diameter	Hole Diameter
(ft)	(ft)			(")	(")
771.0	770.0	8 5/8"		8-5/8	12-1/4

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
3,597.4	3,405.0	PARKMAN		0.00		
4,449.7	4,190.0	SUSSEX		0.00		
4,813.4	4,525.0	SHANNON		0.00		
7,196.0	6,855.0	NIOBRARA		0.00		
7,452.0	7,111.0	FORT HAYS		0.00		
7,500.0	7,159.0	CODELL		0.00		
7,560.0	7,219.0	GREENHORN		0.00		
7,626.0	7,285.0	GRANEROS		0.00		



Bayswater Exploration & Production, LLC

SEC.29-T7N-R67W

Heckman/Winter Pad Sec.29-T7N-R67W

Winter 8-29

Wellbore #1

Plan #1 (4-23-13)

Anticollision Report

03 May, 2013



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Winter 8-29
Project:	SEC.29-T7N-R67W	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Reference Site:	Heckman/Winter Pad Sec.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Winter 8-29	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 (4-23-13)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (4-23-13)		
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 10,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 4/30/2013			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	7,651.0	Plan #1 (4-23-13) (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
Offset Well - Wellbore - Design						
Heckman/Winter Pad Sec.29-T7N-R67W						
Heckman 16-20 - Wellbore #1 - Plan #1 (4-23-13)	513.3	512.3	45.1	43.0	21.997	CC
Heckman 16-20 - Wellbore #1 - Plan #1 (4-23-13)	600.0	598.8	45.3	42.9	18.815	ES
Heckman 16-20 - Wellbore #1 - Plan #1 (4-23-13)	800.0	797.7	51.8	48.5	15.611	SF
Heckman 9-20 - Wellbore #1 - Plan #1 (4-23-13)	200.0	200.0	15.0	14.3	22.255	CC
Heckman 9-20 - Wellbore #1 - Plan #1 (4-23-13)	300.0	299.9	15.2	14.1	13.523	ES
Heckman 9-20 - Wellbore #1 - Plan #1 (4-23-13)	400.0	399.6	16.9	15.3	10.667	SF
Winter 1-29 - Wellbore #1 - Plan #1 (4-23-13)	492.6	492.6	30.1	28.1	15.312	CC
Winter 1-29 - Wellbore #1 - Plan #1 (4-23-13)	500.0	500.0	30.1	28.1	15.073	ES
Winter 1-29 - Wellbore #1 - Plan #1 (4-23-13)	700.0	699.5	33.3	30.4	11.657	SF

Offset Design												
Heckman/Winter Pad Sec.29-T7N-R67W - Heckman 16-20 - Wellbore #1 - Plan #1 (4-23-13)												
Survey Program: 0-MWD												
Reference		Offset		Semi Major Axis		Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor
0.0	0.0	0.0	0.0	0.0	0.0	90.00	0.0	45.1	45.1			
100.0	100.0	99.0	99.0	0.1	0.1	90.00	0.0	45.1	45.1	44.9	0.22	201.765
200.0	200.0	199.0	199.0	0.3	0.3	90.00	0.0	45.1	45.1	44.5	0.67	67.143
300.0	300.0	299.0	299.0	0.6	0.6	90.00	0.0	45.1	45.1	44.0	1.12	40.232
400.0	400.0	399.0	399.0	0.8	0.8	90.00	0.0	45.1	45.1	43.6	1.57	28.721
500.0	500.0	499.0	499.0	1.0	1.0	-89.37	0.0	45.1	45.1	43.1	1.99	22.609
513.3	513.3	512.3	512.3	1.0	1.0	-90.00	0.0	45.1	45.1	43.0	2.05	21.997 CC
600.0	599.8	598.8	598.8	1.2	1.2	-95.98	0.0	45.1	45.3	42.9	2.41	18.815 ES
700.0	699.5	698.5	698.5	1.4	1.5	-106.53	0.0	45.1	47.0	44.2	2.85	16.490
800.0	798.7	797.7	797.7	1.7	1.7	-119.39	0.0	45.1	51.8	48.5	3.32	15.611 SF
900.0	897.5	896.5	896.5	2.0	1.9	-132.05	0.0	45.1	61.1	57.3	3.80	16.091
1,000.0	995.6	992.5	992.5	2.3	2.1	-142.98	1.5	45.2	76.7	72.4	4.27	17.975
1,100.0	1,093.1	1,086.1	1,085.9	2.7	2.3	-151.57	6.0	45.6	100.2	95.4	4.73	21.197
1,200.0	1,189.6	1,176.8	1,176.3	3.2	2.5	-157.64	13.3	46.2	131.2	126.1	5.18	25.335
1,300.0	1,285.3	1,264.1	1,263.1	3.8	2.7	-161.81	23.0	47.0	169.2	163.6	5.63	30.059
1,400.0	1,379.8	1,347.6	1,345.8	4.4	3.0	-164.68	34.8	48.0	213.6	207.5	6.08	35.148
1,500.0	1,473.2	1,427.0	1,424.0	5.0	3.2	-166.70	48.2	49.1	263.9	257.3	6.52	40.447
1,600.0	1,565.4	1,506.7	1,502.2	5.8	3.4	-168.35	63.5	50.4	318.8	311.8	6.99	45.620

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 Winter 8-29
Project:	SEC.29-T7N-R67W	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Reference Site:	Heckman/Winter Pad Sec.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Winter 8-29	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 (4-23-13)	Offset TVD Reference:	Offset Datum

Offset Design Heckman/Winter Pad Sec.29-T7N-R67W - Heckman 16-20 - Wellbore #1 - Plan #1 (4-23-13)												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
1,700.0	1,657.5	1,589.5	1,583.4	6.5	3.7	-169.69	79.6	51.7	374.5	367.0	7.46	50.193	
1,800.0	1,749.6	1,672.2	1,664.6	7.2	4.0	-170.69	95.7	53.1	430.3	422.3	7.94	54.177	
1,900.0	1,841.7	1,755.0	1,745.8	8.0	4.3	-171.45	111.8	54.4	486.1	477.7	8.43	57.660	
2,000.0	1,933.8	1,837.8	1,827.0	8.8	4.6	-172.06	127.9	55.8	542.1	533.1	8.93	60.704	
2,100.0	2,025.9	1,920.6	1,908.2	9.5	4.9	-172.56	144.0	57.1	598.0	588.6	9.43	63.422	
2,200.0	2,118.0	2,003.4	1,989.4	10.3	5.2	-172.97	160.1	58.4	654.0	644.0	9.93	65.836	
2,300.0	2,210.1	2,086.2	2,070.6	11.0	5.5	-173.31	176.2	59.8	709.9	699.5	10.44	67.990	
2,400.0	2,302.2	2,169.0	2,151.8	11.8	5.9	-173.61	192.3	61.1	765.9	755.0	10.95	69.925	
2,500.0	2,394.3	2,251.8	2,233.0	12.6	6.2	-173.87	208.4	62.5	822.0	810.5	11.47	71.671	
2,600.0	2,486.4	2,334.6	2,314.2	13.4	6.5	-174.09	224.6	63.8	878.0	866.0	11.99	73.253	
2,700.0	2,578.5	2,417.3	2,395.4	14.1	6.9	-174.28	240.7	65.2	934.0	921.5	12.50	74.692	
2,800.0	2,670.6	2,500.1	2,476.6	14.9	7.2	-174.46	256.8	66.5	990.0	977.0	13.03	76.006	
2,900.0	2,762.7	2,582.9	2,557.7	15.7	7.5	-174.61	272.9	67.8	1,046.1	1,032.5	13.55	77.207	
3,000.0	2,854.8	2,665.7	2,638.9	16.4	7.9	-174.75	289.0	69.2	1,102.1	1,088.1	14.07	78.311	
3,100.0	2,946.9	2,748.5	2,720.1	17.2	8.2	-174.88	305.1	70.5	1,158.2	1,143.6	14.60	79.328	
3,200.0	3,039.0	2,831.3	2,801.3	18.0	8.5	-174.99	321.2	71.9	1,214.2	1,199.1	15.13	80.268	
3,300.0	3,131.1	2,914.1	2,882.5	18.8	8.9	-175.10	337.3	73.2	1,270.3	1,254.6	15.66	81.139	
3,400.0	3,223.2	2,996.9	2,963.7	19.5	9.2	-175.19	353.4	74.5	1,326.4	1,310.2	16.19	81.947	
3,500.0	3,315.3	3,079.7	3,044.9	20.3	9.6	-175.28	369.5	75.9	1,382.4	1,365.7	16.72	82.698	
3,600.0	3,407.4	3,162.4	3,126.1	21.1	9.9	-175.36	385.7	77.2	1,438.5	1,421.2	17.25	83.399	
3,700.0	3,499.5	3,245.2	3,207.3	21.9	10.2	-175.44	401.8	78.6	1,494.5	1,476.8	17.78	84.054	
3,800.0	3,591.6	3,328.0	3,288.5	22.6	10.6	-175.51	417.9	79.9	1,550.6	1,532.3	18.31	84.667	
3,900.0	3,683.7	3,410.8	3,369.7	23.4	10.9	-175.57	434.0	81.2	1,606.7	1,587.8	18.85	85.242	
4,000.0	3,775.8	3,493.6	3,450.9	24.2	11.3	-175.63	450.1	82.6	1,662.8	1,643.4	19.38	85.783	
4,100.0	3,867.9	3,576.4	3,532.1	25.0	11.6	-175.69	466.2	83.9	1,718.8	1,698.9	19.92	86.290	
4,200.0	3,960.0	3,659.2	3,613.3	25.8	12.0	-175.74	482.3	85.3	1,774.9	1,754.4	20.46	86.769	
4,300.0	4,052.1	3,742.0	3,694.5	26.5	12.3	-175.79	498.4	86.6	1,831.0	1,810.0	20.99	87.221	
4,400.0	4,144.2	3,824.8	3,775.7	27.3	12.6	-175.84	514.5	87.9	1,887.1	1,865.5	21.53	87.648	
4,500.0	4,236.4	3,907.5	3,856.9	28.1	13.0	-175.88	530.6	89.3	1,943.1	1,921.1	22.07	88.051	
4,600.0	4,328.5	3,990.3	3,938.1	28.9	13.3	-175.92	546.8	90.6	1,999.2	1,976.6	22.61	88.434	
4,700.0	4,420.6	4,073.1	4,019.3	29.6	13.7	-175.96	562.9	92.0	2,055.3	2,032.1	23.15	88.796	
4,800.0	4,512.7	4,155.9	4,100.5	30.4	14.0	-176.00	579.0	93.3	2,111.4	2,087.7	23.69	89.140	
4,900.0	4,604.8	4,238.7	4,181.7	31.2	14.4	-176.03	595.1	94.7	2,167.4	2,143.2	24.23	89.467	
5,000.0	4,696.9	4,321.5	4,262.9	32.0	14.7	-176.07	611.2	96.0	2,223.5	2,198.7	24.77	89.778	
5,100.0	4,789.0	4,404.3	4,344.0	32.7	15.1	-176.10	627.3	97.3	2,279.6	2,254.3	25.32	90.043	
5,200.0	4,881.8	4,488.1	4,426.3	33.3	15.4	-176.22	643.6	98.7	2,334.1	2,308.1	25.99	89.807	
5,300.0	4,975.9	4,573.8	4,510.3	33.8	15.8	-176.31	660.3	100.1	2,385.6	2,358.9	26.63	89.574	
5,400.0	5,071.1	4,661.3	4,596.1	34.2	16.2	-176.40	677.3	101.5	2,434.1	2,406.8	27.24	89.350	
5,500.0	5,167.3	4,750.4	4,683.5	34.6	16.5	-176.47	694.6	102.9	2,479.5	2,451.7	27.82	89.135	
5,600.0	5,264.4	4,841.0	4,772.3	35.0	16.9	-176.52	712.3	104.4	2,521.8	2,493.5	28.36	88.932	
5,700.0	5,362.2	4,933.0	4,862.6	35.3	17.3	-176.57	730.2	105.9	2,560.9	2,532.1	28.86	88.742	
5,800.0	5,460.8	5,026.3	4,954.1	35.6	17.7	-176.60	748.3	107.4	2,596.8	2,567.5	29.32	88.566	
5,900.0	5,559.8	5,119.3	5,114.2	35.9	18.3	-176.62	779.1	110.0	2,629.3	2,599.4	29.89	87.955	
6,000.0	5,659.3	5,235.8	5,158.3	36.1	19.4	-176.65	820.5	113.4	2,643.0	2,612.0	31.01	85.232	
6,100.0	5,759.1	5,335.6	5,258.1	36.2	19.6	-176.66	820.5	113.4	2,649.6	2,618.3	31.30	84.645	
6,200.0	5,859.0	5,435.6	5,358.0	36.3	19.7	-176.67	820.5	113.4	2,652.8	2,621.2	31.55	84.086	
6,300.0	5,959.0	5,535.6	5,458.0	36.4	19.9	0.48	820.5	113.4	2,653.1	2,621.2	31.84	83.325	
6,400.0	6,059.0	5,635.6	5,558.0	36.4	20.0	0.48	820.5	113.4	2,653.1	2,620.9	32.17	82.463	
6,500.0	6,159.0	5,735.6	5,658.0	36.5	20.1	0.48	820.5	113.4	2,653.1	2,620.6	32.51	81.612	
6,600.0	6,259.0	5,835.6	5,758.0	36.6	20.3	0.48	820.5	113.4	2,653.1	2,620.2	32.85	80.772	
6,700.0	6,359.0	5,935.6	5,858.0	36.6	20.4	0.48	820.5	113.4	2,653.1	2,619.9	33.19	79.944	
6,800.0	6,459.0	6,035.6	5,958.0	36.7	20.6	0.48	820.5	113.4	2,653.1	2,619.6	33.53	79.127	

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 Winter 8-29
Project:	SEC.29-T7N-R67W	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Reference Site:	Heckman/Winter Pad Sec.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Winter 8-29	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 (4-23-13)	Offset TVD Reference:	Offset Datum

Offset Design Heckman/Winter Pad Sec.29-T7N-R67W - Heckman 16-20 - Wellbore #1 - Plan #1 (4-23-13)												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
6,900.0	6,559.0	6,635.6	6,558.0	36.8	20.7	0.48	820.5	113.4	2,653.1	2,619.2	33.87	78.321	
7,000.0	6,659.0	6,735.6	6,658.0	36.8	20.9	0.48	820.5	113.4	2,653.1	2,618.9	34.22	77.527	
7,100.0	6,759.0	6,835.6	6,758.0	36.9	21.0	0.48	820.5	113.4	2,653.1	2,618.5	34.57	76.744	
7,200.0	6,859.0	6,935.6	6,858.0	37.0	21.2	0.48	820.5	113.4	2,653.1	2,618.2	34.92	75.971	
7,300.0	6,959.0	7,035.6	6,958.0	37.0	21.3	0.48	820.5	113.4	2,653.1	2,617.8	35.28	75.210	
7,400.0	7,059.0	7,135.6	7,058.0	37.1	21.5	0.48	820.5	113.4	2,653.1	2,617.4	35.63	74.460	
7,500.0	7,159.0	7,235.6	7,158.0	37.2	21.7	0.48	820.5	113.4	2,653.1	2,617.1	35.99	73.721	
7,563.8	7,222.8	7,299.3	7,221.8	37.2	21.8	0.48	820.5	113.4	2,653.1	2,616.9	36.22	73.255	
7,600.0	7,259.0	7,327.5	7,250.0	37.3	21.8	0.48	820.5	113.4	2,653.1	2,616.8	36.33	73.027	
7,651.0	7,310.0	7,327.5	7,250.0	37.3	21.8	0.48	820.5	113.4	2,653.7	2,617.3	36.41	72.889	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Winter 8-29
Project:	SEC.29-T7N-R67W	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Reference Site:	Heckman/Winter Pad Sec.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Winter 8-29	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 (4-23-13)	Offset TVD Reference:	Offset Datum

Offset Design Heckman/Winter Pad Sec.29-T7N-R67W - Heckman 9-20 - Wellbore #1 - Plan #1 (4-23-13)													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		
0.0	0.0	0.0	0.0	0.0	0.0	89.99	0.0	15.0	15.0	15.0	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	89.99	0.0	15.0	15.0	14.8	0.22	66.764		
200.0	200.0	200.0	200.0	0.3	0.3	89.99	0.0	15.0	15.0	14.3	0.67	22.255 CC		
200.0	200.0	200.0	200.0	0.3	0.3	89.99	0.0	15.0	15.0	14.3	0.67	22.253		
300.0	300.0	299.9	299.9	0.6	0.6	83.41	1.7	15.1	15.2	14.1	1.12	13.523 ES		
400.0	400.0	399.6	399.5	0.8	0.8	65.65	6.9	15.3	16.9	15.3	1.58	10.667 SF		
500.0	500.0	498.6	498.1	1.0	1.0	-134.79	15.5	15.8	23.4	21.4	2.03	11.512		
600.0	599.8	596.2	595.0	1.2	1.3	-151.84	27.3	16.3	38.2	35.7	2.49	15.347		
700.0	699.5	691.7	689.3	1.4	1.6	-160.96	42.0	17.1	60.8	57.9	2.95	20.643		
800.0	798.7	784.6	780.5	1.7	2.0	-165.88	59.4	17.9	90.6	87.2	3.41	26.586		
900.0	897.5	874.2	868.0	2.0	2.3	-168.74	78.9	18.9	126.9	123.1	3.87	32.824		
1,000.0	995.6	960.1	951.2	2.3	2.7	-170.51	100.1	19.9	169.4	165.1	4.32	39.197		
1,100.0	1,093.1	1,042.1	1,030.0	2.7	3.2	-171.68	122.7	21.0	217.7	213.0	4.77	45.625		
1,200.0	1,189.6	1,119.7	1,104.0	3.2	3.6	-172.46	146.2	22.2	271.4	266.2	5.21	52.061		
1,300.0	1,285.3	1,192.9	1,173.1	3.8	4.0	-173.01	170.1	23.4	330.2	324.6	5.65	58.467		
1,400.0	1,379.8	1,261.4	1,237.3	4.4	4.5	-173.39	194.1	24.5	393.8	387.7	6.07	64.888		
1,500.0	1,473.2	1,325.2	1,296.5	5.0	4.9	-173.65	217.9	25.7	461.7	455.2	6.50	71.023		
1,600.0	1,565.4	1,384.7	1,351.2	5.8	5.3	-173.93	241.2	26.8	533.2	526.3	6.93	76.921		
1,700.0	1,657.5	1,441.4	1,402.9	6.5	5.8	-174.23	264.5	28.0	606.5	599.1	7.38	82.148		
1,800.0	1,749.6	1,501.4	1,457.2	7.2	6.3	-174.48	290.1	29.2	680.9	673.1	7.85	86.703		
1,900.0	1,841.7	1,567.9	1,517.2	8.0	6.8	-174.70	318.6	30.6	755.6	747.2	8.33	90.735		
2,000.0	1,933.8	1,634.4	1,577.3	8.8	7.3	-174.88	347.2	32.0	830.2	821.4	8.80	94.300		
2,100.0	2,025.9	1,700.9	1,637.4	9.5	7.9	-175.04	375.7	33.4	904.9	895.6	9.29	97.453		
2,200.0	2,118.0	1,767.5	1,697.4	10.3	8.4	-175.17	404.2	34.8	979.5	969.8	9.77	100.224		
2,300.0	2,210.1	1,834.0	1,757.5	11.0	8.9	-175.28	432.8	36.2	1,054.2	1,043.9	10.26	102.705		
2,400.0	2,302.2	1,900.5	1,817.5	11.8	9.5	-175.38	461.3	37.6	1,128.9	1,118.1	10.76	104.934		
2,500.0	2,394.3	1,967.0	1,877.6	12.6	10.0	-175.46	489.9	39.0	1,203.5	1,192.3	11.26	106.924		
2,600.0	2,486.4	2,033.5	1,937.7	13.4	10.6	-175.54	518.4	40.4	1,278.2	1,266.4	11.76	108.729		
2,700.0	2,578.5	2,100.0	1,997.7	14.1	11.1	-175.60	546.9	41.8	1,352.9	1,340.6	12.26	110.369		
2,800.0	2,670.6	2,166.5	2,057.8	14.9	11.7	-175.66	575.5	43.2	1,427.5	1,414.8	12.76	111.853		
2,900.0	2,762.7	2,233.1	2,117.9	15.7	12.2	-175.72	604.0	44.6	1,502.2	1,488.9	13.27	113.213		
3,000.0	2,854.8	2,299.6	2,177.9	16.4	12.8	-175.77	632.6	46.0	1,576.8	1,563.1	13.78	114.461		
3,100.0	2,946.9	2,366.1	2,238.0	17.2	13.3	-175.81	661.1	47.4	1,651.5	1,637.2	14.29	115.602		
3,200.0	3,039.0	2,432.6	2,298.0	18.0	13.9	-175.85	689.7	48.8	1,726.2	1,711.4	14.80	116.655		
3,300.0	3,131.1	2,499.1	2,358.1	18.8	14.4	-175.89	718.2	50.2	1,800.9	1,785.5	15.31	117.631		
3,400.0	3,223.2	2,565.6	2,418.2	19.5	15.0	-175.92	746.7	51.7	1,875.5	1,859.7	15.82	118.530		
3,500.0	3,315.3	2,632.1	2,478.2	20.3	15.5	-175.95	775.3	53.1	1,950.2	1,933.9	16.34	119.367		
3,600.0	3,407.4	2,698.7	2,538.3	21.1	16.1	-175.98	803.8	54.5	2,024.9	2,008.0	16.85	120.146		
3,700.0	3,499.5	2,765.2	2,598.4	21.9	16.6	-176.01	832.4	55.9	2,099.5	2,082.2	17.37	120.870		
3,800.0	3,591.6	2,831.7	2,658.4	22.6	17.2	-176.04	860.9	57.3	2,174.2	2,156.3	17.89	121.547		
3,900.0	3,683.7	2,898.2	2,718.5	23.4	17.7	-176.06	889.4	58.7	2,248.9	2,230.5	18.41	122.181		
4,000.0	3,775.8	2,964.7	2,778.5	24.2	18.3	-176.08	918.0	60.1	2,323.5	2,304.6	18.93	122.774		
4,100.0	3,867.9	3,031.2	2,838.6	25.0	18.8	-176.10	946.5	61.5	2,398.2	2,378.8	19.45	123.331		
4,200.0	3,960.0	3,097.7	2,898.7	25.8	19.4	-176.12	975.1	62.9	2,472.9	2,452.9	19.97	123.856		
4,300.0	4,052.1	3,164.3	2,958.7	26.5	19.9	-176.14	1,003.6	64.3	2,547.5	2,527.1	20.49	124.348		
4,400.0	4,144.2	3,230.8	3,018.8	27.3	20.5	-176.16	1,032.2	65.7	2,622.2	2,601.2	21.01	124.814		
4,500.0	4,236.4	3,297.3	3,078.9	28.1	21.0	-176.17	1,060.7	67.1	2,696.9	2,675.4	21.53	125.253		
4,600.0	4,328.5	3,363.8	3,138.9	28.9	21.6	-176.19	1,089.2	68.5	2,771.6	2,749.5	22.05	125.667		
4,700.0	4,420.6	3,430.3	3,199.0	29.6	22.2	-176.20	1,117.8	69.9	2,846.2	2,823.6	22.58	126.060		
4,800.0	4,512.7	3,496.8	3,259.0	30.4	22.7	-176.22	1,146.3	71.3	2,920.9	2,897.8	23.10	126.433		
4,900.0	4,604.8	3,563.3	3,319.1	31.2	23.3	-176.23	1,174.9	72.7	2,995.6	2,971.9	23.63	126.785		
5,000.0	4,696.9	3,629.9	3,379.2	32.0	23.8	-176.24	1,203.4	74.1	3,070.2	3,046.1	24.15	127.120		

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 Winter 8-29
Project:	SEC.29-T7N-R67W	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Reference Site:	Heckman/Winter Pad Sec.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Winter 8-29	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 (4-23-13)	Offset TVD Reference:	Offset Datum

Offset Design		Heckman/Winter Pad Sec.29-T7N-R67W - Heckman 9-20 - Wellbore #1 - Plan #1 (4-23-13)											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		
5,100.0	4,789.0	3,696.4	3,439.2	32.7	24.4	-176.26	1,232.0	75.5	3,144.9	3,120.2	24.69	127.368		
5,200.0	4,881.8	3,764.3	3,500.6	33.3	24.9	-176.41	1,261.1	76.9	3,218.3	3,192.8	25.45	126.464		
5,300.0	4,975.9	3,834.8	3,564.2	33.8	25.5	-176.54	1,291.3	78.4	3,289.2	3,263.1	26.18	125.624		
5,400.0	5,071.1	3,907.6	3,630.0	34.2	26.1	-176.64	1,322.6	79.9	3,357.7	3,330.8	26.89	124.847		
5,500.0	5,167.3	3,982.9	3,697.9	34.6	26.7	-176.74	1,354.9	81.5	3,423.6	3,396.0	27.58	124.130		
5,600.0	5,264.4	4,060.3	3,767.9	35.0	27.4	-176.82	1,388.1	83.1	3,486.8	3,458.6	28.24	123.472		
5,700.0	5,362.2	4,140.0	3,839.8	35.3	28.1	-176.89	1,422.3	84.8	3,547.3	3,518.4	28.87	122.870		
5,800.0	5,460.8	4,221.6	3,913.6	35.6	28.7	-176.94	1,457.4	86.5	3,605.0	3,575.5	29.47	122.322		
5,900.0	5,559.8	4,305.3	3,989.1	35.9	29.4	-176.99	1,493.2	88.3	3,659.8	3,629.7	30.04	121.827		
6,000.0	5,659.3	4,390.8	4,066.3	36.1	30.1	-177.03	1,529.9	90.1	3,711.6	3,681.0	30.58	121.382		
6,100.0	5,759.1	4,478.0	4,145.1	36.2	30.9	-177.06	1,567.4	91.9	3,760.4	3,729.3	31.08	120.987		
6,200.0	5,859.0	4,566.9	4,225.3	36.3	31.6	-177.09	1,605.5	93.8	3,806.2	3,774.6	31.55	120.639		
6,300.0	5,959.0	4,657.1	4,306.8	36.4	32.4	0.07	1,644.2	95.7	3,849.4	3,817.4	32.00	120.286		
6,400.0	6,059.0	4,747.4	4,388.3	36.4	33.1	0.10	1,683.0	97.6	3,892.3	3,859.9	32.44	119.970		
6,500.0	6,159.0	4,837.7	4,469.9	36.5	33.9	0.13	1,721.7	99.5	3,935.2	3,902.3	32.89	119.656		
6,600.0	6,259.0	4,928.0	4,552.4	36.6	34.7	0.16	1,760.4	101.4	3,974.1	3,936.7	33.39	119.342		
6,700.0	6,359.0	5,018.3	4,634.9	36.6	35.5	0.19	1,799.1	103.3	4,013.0	3,970.6	33.89	119.028		
6,800.0	6,459.0	5,108.6	4,717.4	36.7	36.3	0.22	1,837.8	105.2	4,051.9	3,999.5	34.39	118.714		
6,900.0	6,559.0	5,198.9	4,799.9	36.8	37.1	0.25	1,876.5	107.1	4,090.8	4,028.4	34.89	118.400		
7,000.0	6,659.0	5,289.2	4,882.4	36.8	37.9	0.28	1,915.2	109.0	4,129.7	4,057.3	35.39	118.086		
7,100.0	6,759.0	5,379.5	4,964.9	36.9	38.7	0.31	1,953.9	110.9	4,168.6	4,086.2	35.89	117.772		
7,200.0	6,859.0	5,469.8	5,047.4	37.0	39.5	0.34	1,992.6	112.8	4,207.5	4,115.1	36.39	117.458		
7,300.0	6,959.0	5,560.1	5,129.9	37.0	40.3	0.37	2,031.3	114.7	4,246.4	4,144.0	36.89	117.144		
7,400.0	7,059.0	5,650.4	5,212.4	37.1	42.0	0.42	2,141.5	120.1	3,974.1	3,934.4	39.71	100.069		
7,500.0	7,159.0	5,740.4	5,294.9	37.2	42.1	0.42	2,141.5	120.1	3,974.1	3,934.1	40.02	99.308		
7,540.4	7,199.5	5,740.9	5,295.4	37.2	42.1	0.42	2,141.5	120.1	3,974.1	3,934.0	40.14	99.002		
7,600.0	7,259.0	5,821.2	5,377.9	37.3	42.1	0.42	2,141.5	120.1	3,974.4	3,934.1	40.26	98.728		
7,651.0	7,310.0	5,821.7	5,378.4	37.3	42.1	0.42	2,141.5	120.1	3,975.3	3,934.9	40.33	98.561		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Winter 8-29
Project:	SEC.29-T7N-R67W	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Reference Site:	Heckman/Winter Pad Sec.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Winter 8-29	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 (4-23-13)	Offset TVD Reference:	Offset Datum

Offset Design Heckman/Winter Pad Sec.29-T7N-R67W - Winter 1-29 - Wellbore #1 - Plan #1 (4-23-13)													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		
0.0	0.0	0.0	0.0	0.0	0.0	90.00	0.0	30.1	30.1					
100.0	100.0	100.0	100.0	0.1	0.1	90.00	0.0	30.1	30.1	29.9	0.22	133.994		
200.0	200.0	200.0	200.0	0.3	0.3	90.00	0.0	30.1	30.1	29.4	0.67	44.665		
300.0	300.0	300.0	300.0	0.6	0.6	90.00	0.0	30.1	30.1	29.0	1.12	26.799		
400.0	400.0	400.0	400.0	0.8	0.8	90.00	0.0	30.1	30.1	28.5	1.57	19.142		
492.6	492.6	492.6	492.6	1.0	1.0	-90.00	0.0	30.1	30.1	28.1	1.96	15.312 CC		
500.0	500.0	500.0	500.0	1.0	1.0	-90.47	0.0	30.1	30.1	28.1	2.00	15.073 ES		
600.0	599.8	599.8	599.8	1.2	1.2	-100.30	0.0	30.1	30.6	28.2	2.41	12.682		
700.0	699.5	699.5	699.5	1.4	1.5	-115.15	0.0	30.1	33.3	30.4	2.85	11.657 SF		
800.0	798.7	798.7	798.7	1.7	1.7	-130.98	0.0	30.1	40.0	36.7	3.31	12.079		
900.0	897.5	897.5	897.5	2.0	1.9	-143.99	0.0	30.1	51.7	47.9	3.77	13.710		
1,000.0	995.6	995.6	995.6	2.3	2.1	-153.29	0.0	30.1	68.1	63.9	4.22	16.140		
1,100.0	1,093.1	1,093.1	1,093.1	2.7	2.3	-159.65	0.0	30.1	88.8	84.2	4.67	19.038		
1,200.0	1,189.6	1,189.6	1,189.6	3.2	2.6	-164.05	0.0	30.1	113.5	108.4	5.11	22.204		
1,300.0	1,285.3	1,285.3	1,285.3	3.8	2.8	-167.16	0.0	30.1	141.9	136.4	5.56	25.522		
1,400.0	1,379.8	1,379.8	1,379.8	4.4	3.0	-169.41	0.0	30.1	173.9	167.9	6.01	28.925		
1,500.0	1,473.2	1,473.2	1,473.2	5.0	3.2	-171.10	0.0	30.1	209.3	202.8	6.46	32.374		
1,600.0	1,565.4	1,571.4	1,571.4	5.8	3.4	-172.46	-0.9	30.2	246.8	239.8	6.93	35.597		
1,700.0	1,657.5	1,674.4	1,674.3	6.5	3.6	-173.39	-5.2	30.9	281.6	274.2	7.40	38.024		
1,800.0	1,749.6	1,780.0	1,779.6	7.2	3.8	-173.97	-13.5	32.1	313.0	305.1	7.89	39.670		
1,900.0	1,841.7	1,888.1	1,887.0	8.0	4.0	-174.32	-26.0	33.9	341.0	332.6	8.40	40.598		
2,000.0	1,933.8	1,986.5	1,984.4	8.8	4.2	-174.51	-39.6	35.9	366.8	357.9	8.91	41.152		
2,100.0	2,025.9	2,083.2	2,080.1	9.5	4.4	-174.68	-53.0	37.9	392.5	383.1	9.44	41.591		
2,200.0	2,118.0	2,179.8	2,175.7	10.3	4.7	-174.82	-66.4	39.8	418.2	408.2	9.97	41.951		
2,300.0	2,210.1	2,276.4	2,271.4	11.0	4.9	-174.95	-79.8	41.8	443.9	433.4	10.51	42.246		
2,400.0	2,302.2	2,373.1	2,367.1	11.8	5.2	-175.07	-93.3	43.7	469.7	458.6	11.05	42.510		
2,500.0	2,394.3	2,469.7	2,462.8	12.6	5.5	-175.17	-106.7	45.7	495.4	483.8	11.60	42.719		
2,600.0	2,486.4	2,566.3	2,558.4	13.4	5.7	-175.26	-120.1	47.6	521.1	509.0	12.15	42.898		
2,700.0	2,578.5	2,662.9	2,654.1	14.1	6.0	-175.34	-133.5	49.6	546.8	534.1	12.70	43.050		
2,800.0	2,670.6	2,759.6	2,749.8	14.9	6.3	-175.42	-146.9	51.6	572.6	559.3	13.26	43.179		
2,900.0	2,762.7	2,856.2	2,845.5	15.7	6.6	-175.49	-160.3	53.5	598.3	584.5	13.82	43.290		
3,000.0	2,854.8	2,952.8	2,941.1	16.4	6.9	-175.55	-173.7	55.5	624.0	609.7	14.38	43.385		
3,100.0	2,946.9	3,049.5	3,036.8	17.2	7.2	-175.61	-187.2	57.4	649.8	634.8	14.95	43.467		
3,200.0	3,039.0	3,146.1	3,132.5	18.0	7.5	-175.66	-200.6	59.4	675.5	660.0	15.52	43.538		
3,300.0	3,131.1	3,242.7	3,228.2	18.8	7.8	-175.71	-214.0	61.4	701.2	685.2	16.08	43.599		
3,400.0	3,223.2	3,339.4	3,323.8	19.5	8.2	-175.76	-227.4	63.3	727.0	710.3	16.65	43.651		
3,500.0	3,315.3	3,436.0	3,419.5	20.3	8.5	-175.80	-240.8	65.3	752.7	735.5	17.23	43.697		
3,600.0	3,407.4	3,532.6	3,515.2	21.1	8.8	-175.84	-254.2	67.2	778.4	760.6	17.80	43.736		
3,700.0	3,499.5	3,629.3	3,610.9	21.9	9.1	-175.88	-267.6	69.2	804.2	785.8	18.37	43.771		
3,800.0	3,591.6	3,725.9	3,706.5	22.6	9.4	-175.92	-281.1	71.1	829.9	811.0	18.95	43.800		
3,900.0	3,683.7	3,822.5	3,802.2	23.4	9.7	-175.95	-294.5	73.1	855.6	836.1	19.52	43.826		
4,000.0	3,775.8	3,919.1	3,897.9	24.2	10.1	-175.98	-307.9	75.1	881.4	861.3	20.10	43.848		
4,100.0	3,867.9	4,015.8	3,993.6	25.0	10.4	-176.01	-321.3	77.0	907.1	886.4	20.68	43.867		
4,200.0	3,960.0	4,112.4	4,089.2	25.8	10.7	-176.04	-334.7	79.0	932.9	911.6	21.26	43.884		
4,300.0	4,052.1	4,209.0	4,184.9	26.5	11.0	-176.07	-348.1	80.9	958.6	936.8	21.84	43.898		
4,400.0	4,144.2	4,305.7	4,280.6	27.3	11.4	-176.09	-361.5	82.9	984.3	961.9	22.42	43.910		
4,500.0	4,236.4	4,402.3	4,376.3	28.1	11.7	-176.12	-375.0	84.9	1,010.1	987.1	23.00	43.921		
4,600.0	4,328.5	4,498.9	4,471.9	28.9	12.0	-176.14	-388.4	86.8	1,035.8	1,012.2	23.58	43.929		
4,700.0	4,420.6	4,595.6	4,567.6	29.6	12.4	-176.16	-401.8	88.8	1,061.5	1,037.4	24.16	43.936		
4,800.0	4,512.7	4,692.2	4,663.3	30.4	12.7	-176.18	-415.2	90.7	1,087.3	1,062.5	24.74	43.942		
4,900.0	4,604.8	4,788.8	4,759.0	31.2	13.0	-176.20	-428.6	92.7	1,113.0	1,087.7	25.33	43.947		
5,000.0	4,696.9	4,885.5	4,854.6	32.0	13.4	-176.22	-442.0	94.6	1,138.7	1,112.8	25.91	43.951		

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 Winter 8-29
Project:	SEC.29-T7N-R67W	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Reference Site:	Heckman/Winter Pad Sec.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Winter 8-29	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 (4-23-13)	Offset TVD Reference:	Offset Datum

Offset Design Heckman/Winter Pad Sec.29-T7N-R67W - Winter 1-29 - Wellbore #1 - Plan #1 (4-23-13)													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	
5,100.0	4,789.0	4,982.1	4,950.3	32.7	13.7	-176.24	-455.4	96.6	1,164.5	1,138.0	26.50	43.945	
5,200.0	4,881.8	5,079.2	5,046.4	33.3	14.0	-176.28	-468.9	98.6	1,188.4	1,161.2	27.14	43.784	
5,300.0	4,975.9	5,163.6	5,130.1	33.8	14.3	-176.31	-480.5	100.3	1,209.1	1,181.4	27.71	43.635	
5,400.0	5,071.1	5,232.7	5,198.7	34.2	14.5	-176.34	-488.5	101.4	1,228.4	1,200.2	28.18	43.584	
5,500.0	5,167.3	5,300.0	5,265.7	34.6	14.6	-176.37	-494.7	102.3	1,246.6	1,218.0	28.60	43.583	
5,600.0	5,264.4	5,370.4	5,335.9	35.0	14.8	-176.41	-499.5	103.0	1,263.8	1,234.8	28.98	43.612	
5,700.0	5,362.2	5,439.0	5,404.4	35.3	14.9	-176.45	-502.6	103.5	1,279.8	1,250.5	29.30	43.684	
5,800.0	5,460.8	5,507.5	5,472.9	35.6	15.0	-176.49	-504.1	103.7	1,294.7	1,265.2	29.57	43.791	
5,900.0	5,559.8	5,594.4	5,559.8	35.9	15.2	-176.53	-504.2	103.7	1,308.1	1,278.3	29.83	43.860	
6,000.0	5,659.3	5,693.9	5,659.3	36.1	15.3	-176.57	-504.2	103.7	1,318.3	1,288.2	30.05	43.866	
6,100.0	5,759.1	5,793.7	5,759.1	36.2	15.5	-176.60	-504.2	103.7	1,324.9	1,294.7	30.23	43.822	
6,200.0	5,859.0	5,893.6	5,859.0	36.3	15.6	-176.61	-504.2	103.7	1,328.1	1,297.7	30.37	43.729	
6,300.0	5,959.0	5,993.6	5,959.0	36.4	15.8	0.54	-504.2	103.7	1,328.4	1,297.8	30.61	43.392	
6,400.0	6,059.0	6,093.6	6,059.0	36.4	15.9	0.54	-504.2	103.7	1,328.4	1,297.4	30.94	42.939	
6,500.0	6,159.0	6,193.6	6,159.0	36.5	16.1	0.54	-504.2	103.7	1,328.4	1,297.1	31.26	42.492	
6,600.0	6,259.0	6,293.6	6,259.0	36.6	16.2	0.54	-504.2	103.7	1,328.4	1,296.8	31.59	42.050	
6,700.0	6,359.0	6,393.6	6,359.0	36.6	16.4	0.54	-504.2	103.7	1,328.4	1,296.5	31.92	41.613	
6,800.0	6,459.0	6,493.6	6,459.0	36.7	16.6	0.54	-504.2	103.7	1,328.4	1,296.1	32.26	41.182	
6,900.0	6,559.0	6,593.6	6,559.0	36.8	16.7	0.54	-504.2	103.7	1,328.4	1,295.8	32.59	40.757	
7,000.0	6,659.0	6,693.6	6,659.0	36.8	16.9	0.54	-504.2	103.7	1,328.4	1,295.4	32.93	40.337	
7,100.0	6,759.0	6,793.6	6,759.0	36.9	17.0	0.54	-504.2	103.7	1,328.4	1,295.1	33.27	39.923	
7,200.0	6,859.0	6,893.6	6,859.0	37.0	17.2	0.54	-504.2	103.7	1,328.4	1,294.8	33.62	39.515	
7,300.0	6,959.0	6,993.6	6,959.0	37.0	17.4	0.54	-504.2	103.7	1,328.4	1,294.4	33.96	39.112	
7,400.0	7,059.0	7,093.6	7,059.0	37.1	17.6	0.54	-504.2	103.7	1,328.4	1,294.1	34.31	38.715	
7,500.0	7,159.0	7,193.6	7,159.0	37.2	17.7	0.54	-504.2	103.7	1,328.4	1,293.7	34.66	38.324	
7,600.0	7,259.0	7,293.6	7,259.0	37.3	17.9	0.54	-504.2	103.7	1,328.4	1,293.4	35.01	37.938	
7,651.0	7,310.0	7,309.6	7,275.0	37.3	17.9	0.54	-504.2	103.7	1,328.8	1,293.7	35.12	37.833	

Company: Bayswater Exploration & Production, LLC
Project: SEC.29-T7N-R67W
Reference Site: Heckman/Winter Pad Sec.29-T7N-R67W
Site Error: 0.0ft
Reference Well: Winter 8-29
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #1 (4-23-13)

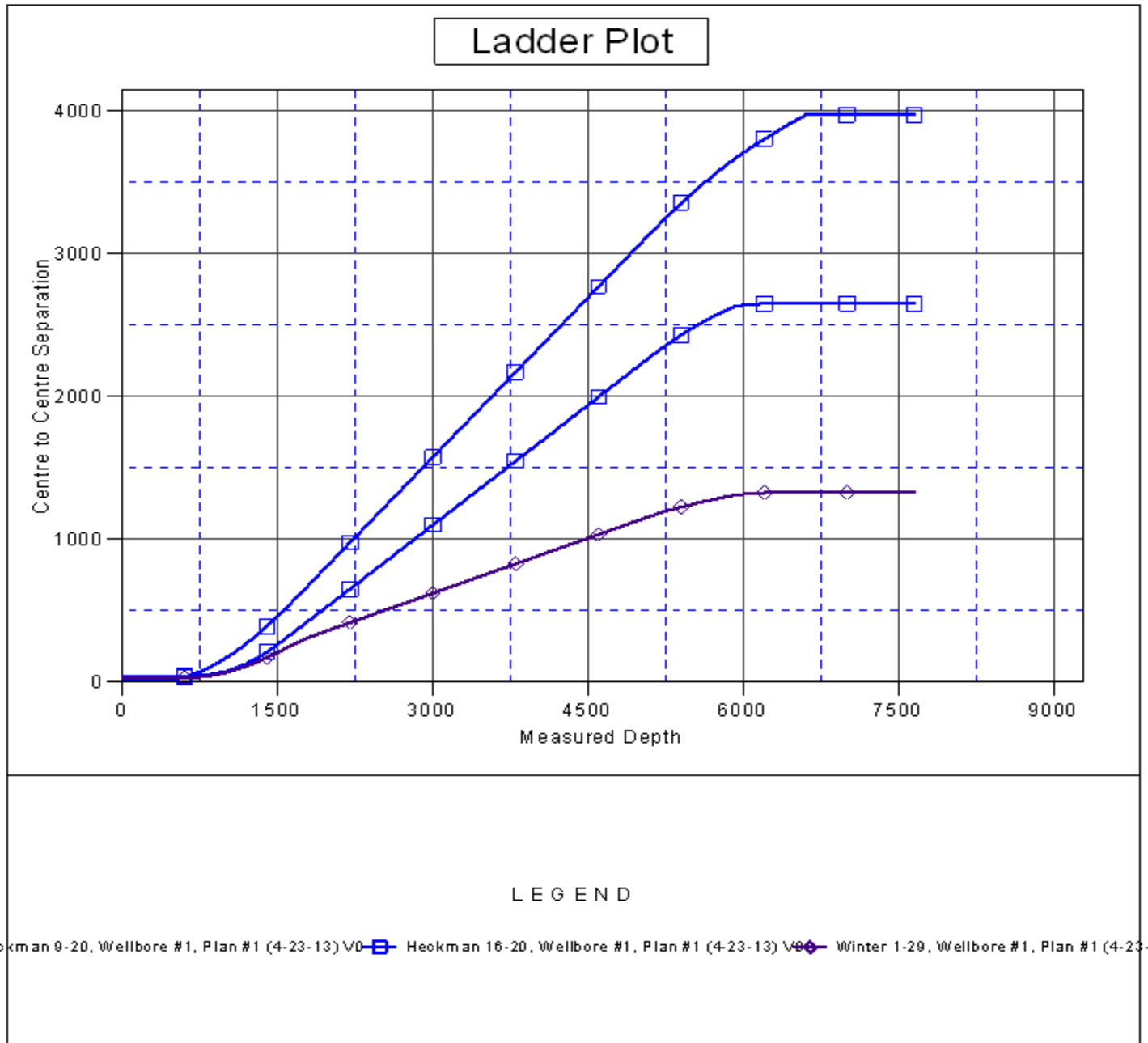
Local Co-ordinate Reference: Well Winter 8-29
TVD Reference: WELL @ 4988.0ft (Original Well Elev)
MD Reference: WELL @ 4988.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: Landmark
Offset TVD Reference: Offset Datum

Reference Depths are relative to WELL @ 4988.0ft (Original Well Elev) Coordinates are relative to: Winter 8-29

Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.38°



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Winter 8-29
Project:	SEC.29-T7N-R67W	TVD Reference:	WELL @ 4988.0ft (Original Well Elev)
Reference Site:	Heckman/Winter Pad Sec.29-T7N-R67W	MD Reference:	WELL @ 4988.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Winter 8-29	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 (4-23-13)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4988.0ft (Original Well Elev)Coordinates are relative to: Winter 8-29
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: 0.38°

