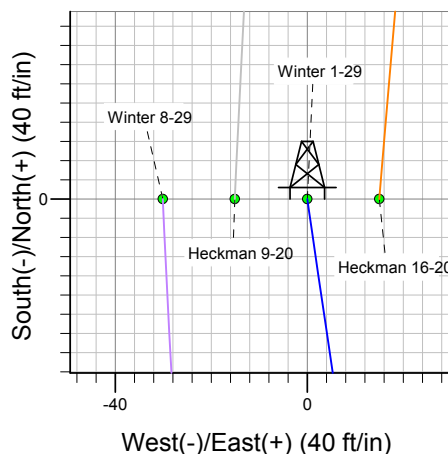
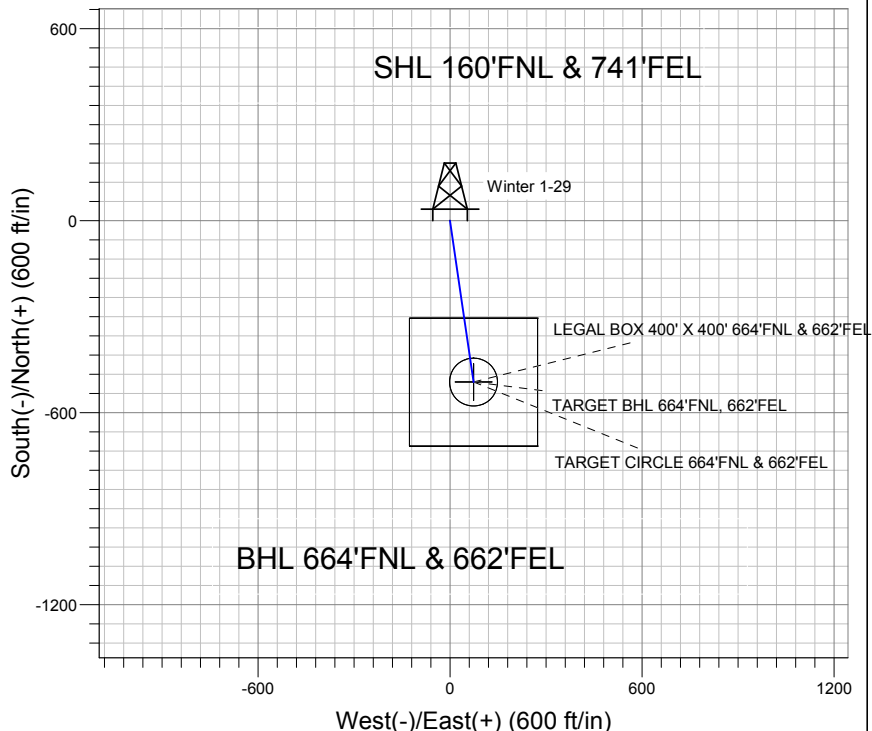
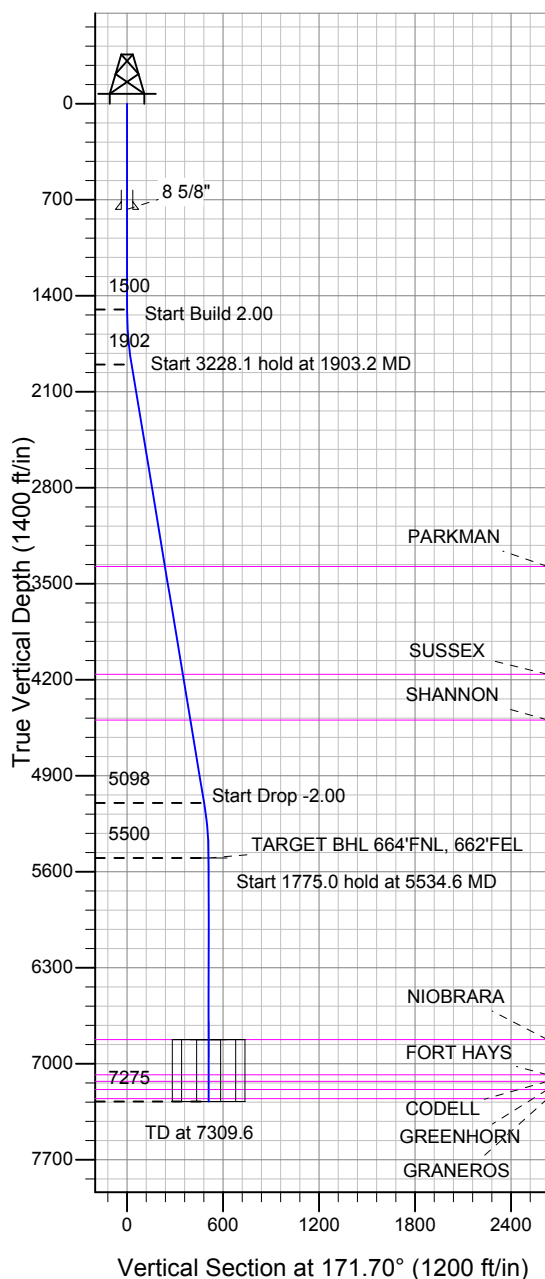


Bayswater Exploration & Production, LLC



Winter 1-29
Plan #1 (4-23-13)
14:16, 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 664'FNL, 662'FEL	5500.0	-504.2	73.6	40.550732	-104.910243	Point
LEGAL BOX 400' X 400' 664'FNL & 662'FEL	6824.0	-504.2	73.6	40.550732	-104.910243	Rectangle (Sides: L400.0 W400.0)
TARGET CIRCLE 664'FNL & 662'FEL	6824.0	-504.2	73.6	40.550732	-104.910243	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	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1903.2	8.06	171.70	1901.9	-28.0	4.1	2.00	171.70	28.3	
4	5131.3	8.06	171.70	5098.1	-476.2	69.5	0.00	0.00	481.2	
5	5534.6	0.00	0.00	5500.0	-504.2	73.6	2.00	180.00	509.5	TARGET BHL 664'FNL, 662'FEL
6	7309.6	0.00	0.00	7275.0	-504.2	73.6	0.00	0.00	509.5	



Bayswater Exploration & Production, LLC

SEC.29-T7N-R67W

Heckman/Winter Pad Sec.29-T7N-R67W

Winter 1-29

Wellbore #1

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

Standard Planning Report

03 May, 2013



Database:	Landmark	Local Co-ordinate Reference:	Well Winter 1-29
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 1-29	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 1-29					
Well Position	+N-S	0.0 ft	Northing:	1,444,521.24 ft	Latitude:	40.552116
	+E-W	15.1 ft	Easting:	3,163,810.13 ft	Longitude:	-104.910508
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	171.70

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,903.2	8.06	171.70	1,901.9	-28.0	4.1	2.00	2.00	0.00	171.70	
5,131.3	8.06	171.70	5,098.1	-476.2	69.5	0.00	0.00	0.00	0.00	
5,534.6	0.00	0.00	5,500.0	-504.2	73.6	2.00	-2.00	0.00	180.00	TARGET BHL 664'I
7,309.6	0.00	0.00	7,275.0	-504.2	73.6	0.00	0.00	0.00	0.00	

Database:	Landmark	Local Co-ordinate Reference:	Well Winter 1-29
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 1-29	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	0.00	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
1,120.0	0.00	0.00	1,120.0	0.0	0.0	0.0	0.00	0.00	0.00
1,160.0	0.00	0.00	1,160.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,240.0	0.00	0.00	1,240.0	0.0	0.0	0.0	0.00	0.00	0.00
1,280.0	0.00	0.00	1,280.0	0.0	0.0	0.0	0.00	0.00	0.00
1,320.0	0.00	0.00	1,320.0	0.0	0.0	0.0	0.00	0.00	0.00
1,360.0	0.00	0.00	1,360.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,440.0	0.00	0.00	1,440.0	0.0	0.0	0.0	0.00	0.00	0.00
1,480.0	0.00	0.00	1,480.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,520.0	0.40	171.70	1,520.0	-0.1	0.0	0.1	2.00	2.00	0.00
1,560.0	1.20	171.70	1,560.0	-0.6	0.1	0.6	2.00	2.00	0.00
1,600.0	2.00	171.70	1,600.0	-1.7	0.3	1.7	2.00	2.00	0.00
1,640.0	2.80	171.70	1,639.9	-3.4	0.5	3.4	2.00	2.00	0.00
1,680.0	3.60	171.70	1,679.9	-5.6	0.8	5.7	2.00	2.00	0.00
1,720.0	4.40	171.70	1,719.8	-8.4	1.2	8.4	2.00	2.00	0.00
1,760.0	5.20	171.70	1,759.6	-11.7	1.7	11.8	2.00	2.00	0.00
1,800.0	6.00	171.70	1,799.5	-15.5	2.3	15.7	2.00	2.00	0.00
1,840.0	6.80	171.70	1,839.2	-19.9	2.9	20.2	2.00	2.00	0.00
1,880.0	7.60	171.70	1,878.9	-24.9	3.6	25.2	2.00	2.00	0.00
1,903.2	8.06	171.70	1,901.9	-28.0	4.1	28.3	2.00	2.00	0.00
1,920.0	8.06	171.70	1,918.5	-30.4	4.4	30.7	0.00	0.00	0.00
1,960.0	8.06	171.70	1,958.1	-35.9	5.2	36.3	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Winter 1-29
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 1-29	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)
2,000.0	8.06	171.70	1,997.7	-41.5	6.1	41.9	0.00	0.00	0.00
2,040.0	8.06	171.70	2,037.3	-47.0	6.9	47.5	0.00	0.00	0.00
2,080.0	8.06	171.70	2,076.9	-52.6	7.7	53.1	0.00	0.00	0.00
2,120.0	8.06	171.70	2,116.5	-58.1	8.5	58.7	0.00	0.00	0.00
2,160.0	8.06	171.70	2,156.1	-63.7	9.3	64.4	0.00	0.00	0.00
2,200.0	8.06	171.70	2,195.7	-69.2	10.1	70.0	0.00	0.00	0.00
2,240.0	8.06	171.70	2,235.3	-74.8	10.9	75.6	0.00	0.00	0.00
2,280.0	8.06	171.70	2,274.9	-80.3	11.7	81.2	0.00	0.00	0.00
2,320.0	8.06	171.70	2,314.5	-85.9	12.5	86.8	0.00	0.00	0.00
2,360.0	8.06	171.70	2,354.2	-91.4	13.3	92.4	0.00	0.00	0.00
2,400.0	8.06	171.70	2,393.8	-97.0	14.2	98.0	0.00	0.00	0.00
2,440.0	8.06	171.70	2,433.4	-102.6	15.0	103.6	0.00	0.00	0.00
2,480.0	8.06	171.70	2,473.0	-108.1	15.8	109.2	0.00	0.00	0.00
2,520.0	8.06	171.70	2,512.6	-113.7	16.6	114.9	0.00	0.00	0.00
2,560.0	8.06	171.70	2,552.2	-119.2	17.4	120.5	0.00	0.00	0.00
2,600.0	8.06	171.70	2,591.8	-124.8	18.2	126.1	0.00	0.00	0.00
2,640.0	8.06	171.70	2,631.4	-130.3	19.0	131.7	0.00	0.00	0.00
2,680.0	8.06	171.70	2,671.0	-135.9	19.8	137.3	0.00	0.00	0.00
2,720.0	8.06	171.70	2,710.6	-141.4	20.6	142.9	0.00	0.00	0.00
2,760.0	8.06	171.70	2,750.2	-147.0	21.5	148.5	0.00	0.00	0.00
2,800.0	8.06	171.70	2,789.8	-152.5	22.3	154.1	0.00	0.00	0.00
2,840.0	8.06	171.70	2,829.4	-158.1	23.1	159.8	0.00	0.00	0.00
2,880.0	8.06	171.70	2,869.0	-163.6	23.9	165.4	0.00	0.00	0.00
2,920.0	8.06	171.70	2,908.6	-169.2	24.7	171.0	0.00	0.00	0.00
2,960.0	8.06	171.70	2,948.2	-174.7	25.5	176.6	0.00	0.00	0.00
3,000.0	8.06	171.70	2,987.8	-180.3	26.3	182.2	0.00	0.00	0.00
3,040.0	8.06	171.70	3,027.4	-185.8	27.1	187.8	0.00	0.00	0.00
3,080.0	8.06	171.70	3,067.0	-191.4	27.9	193.4	0.00	0.00	0.00
3,120.0	8.06	171.70	3,106.6	-197.0	28.7	199.0	0.00	0.00	0.00
3,160.0	8.06	171.70	3,146.2	-202.5	29.6	204.6	0.00	0.00	0.00
3,200.0	8.06	171.70	3,185.8	-208.1	30.4	210.3	0.00	0.00	0.00
3,240.0	8.06	171.70	3,225.4	-213.6	31.2	215.9	0.00	0.00	0.00
3,280.0	8.06	171.70	3,265.1	-219.2	32.0	221.5	0.00	0.00	0.00
3,320.0	8.06	171.70	3,304.7	-224.7	32.8	227.1	0.00	0.00	0.00
3,360.0	8.06	171.70	3,344.3	-230.3	33.6	232.7	0.00	0.00	0.00
3,390.0	8.06	171.70	3,374.0	-234.4	34.2	236.9	0.00	0.00	0.00
PARKMAN									
3,400.0	8.06	171.70	3,383.9	-235.8	34.4	238.3	0.00	0.00	0.00
3,440.0	8.06	171.70	3,423.5	-241.4	35.2	243.9	0.00	0.00	0.00
3,480.0	8.06	171.70	3,463.1	-246.9	36.0	249.5	0.00	0.00	0.00
3,520.0	8.06	171.70	3,502.7	-252.5	36.9	255.2	0.00	0.00	0.00
3,560.0	8.06	171.70	3,542.3	-258.0	37.7	260.8	0.00	0.00	0.00
3,600.0	8.06	171.70	3,581.9	-263.6	38.5	266.4	0.00	0.00	0.00
3,640.0	8.06	171.70	3,621.5	-269.1	39.3	272.0	0.00	0.00	0.00
3,680.0	8.06	171.70	3,661.1	-274.7	40.1	277.6	0.00	0.00	0.00
3,720.0	8.06	171.70	3,700.7	-280.2	40.9	283.2	0.00	0.00	0.00
3,760.0	8.06	171.70	3,740.3	-285.8	41.7	288.8	0.00	0.00	0.00
3,800.0	8.06	171.70	3,779.9	-291.3	42.5	294.4	0.00	0.00	0.00
3,840.0	8.06	171.70	3,819.5	-296.9	43.3	300.0	0.00	0.00	0.00
3,880.0	8.06	171.70	3,859.1	-302.5	44.1	305.7	0.00	0.00	0.00
3,920.0	8.06	171.70	3,898.7	-308.0	45.0	311.3	0.00	0.00	0.00
3,960.0	8.06	171.70	3,938.3	-313.6	45.8	316.9	0.00	0.00	0.00
4,000.0	8.06	171.70	3,977.9	-319.1	46.6	322.5	0.00	0.00	0.00

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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 1-29	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)
4,040.0	8.06	171.70	4,017.5	-324.7	47.4	328.1	0.00	0.00	0.00
4,080.0	8.06	171.70	4,057.1	-330.2	48.2	333.7	0.00	0.00	0.00
4,120.0	8.06	171.70	4,096.7	-335.8	49.0	339.3	0.00	0.00	0.00
4,160.0	8.06	171.70	4,136.4	-341.3	49.8	344.9	0.00	0.00	0.00
4,182.9	8.06	171.70	4,159.0	-344.5	50.3	348.2	0.00	0.00	0.00
SUSSEX									
4,200.0	8.06	171.70	4,176.0	-346.9	50.6	350.6	0.00	0.00	0.00
4,240.0	8.06	171.70	4,215.6	-352.4	51.4	356.2	0.00	0.00	0.00
4,280.0	8.06	171.70	4,255.2	-358.0	52.2	361.8	0.00	0.00	0.00
4,320.0	8.06	171.70	4,294.8	-363.5	53.1	367.4	0.00	0.00	0.00
4,360.0	8.06	171.70	4,334.4	-369.1	53.9	373.0	0.00	0.00	0.00
4,400.0	8.06	171.70	4,374.0	-374.6	54.7	378.6	0.00	0.00	0.00
4,440.0	8.06	171.70	4,413.6	-380.2	55.5	384.2	0.00	0.00	0.00
4,480.0	8.06	171.70	4,453.2	-385.7	56.3	389.8	0.00	0.00	0.00
4,520.0	8.06	171.70	4,492.8	-391.3	57.1	395.4	0.00	0.00	0.00
4,521.2	8.06	171.70	4,494.0	-391.5	57.1	395.6	0.00	0.00	0.00
SHANNON									
4,560.0	8.06	171.70	4,532.4	-396.9	57.9	401.1	0.00	0.00	0.00
4,600.0	8.06	171.70	4,572.0	-402.4	58.7	406.7	0.00	0.00	0.00
4,640.0	8.06	171.70	4,611.6	-408.0	59.5	412.3	0.00	0.00	0.00
4,680.0	8.06	171.70	4,651.2	-413.5	60.4	417.9	0.00	0.00	0.00
4,720.0	8.06	171.70	4,690.8	-419.1	61.2	423.5	0.00	0.00	0.00
4,760.0	8.06	171.70	4,730.4	-424.6	62.0	429.1	0.00	0.00	0.00
4,800.0	8.06	171.70	4,770.0	-430.2	62.8	434.7	0.00	0.00	0.00
4,840.0	8.06	171.70	4,809.6	-435.7	63.6	440.3	0.00	0.00	0.00
4,880.0	8.06	171.70	4,849.2	-441.3	64.4	446.0	0.00	0.00	0.00
4,920.0	8.06	171.70	4,888.8	-446.8	65.2	451.6	0.00	0.00	0.00
4,960.0	8.06	171.70	4,928.4	-452.4	66.0	457.2	0.00	0.00	0.00
5,000.0	8.06	171.70	4,968.0	-457.9	66.8	462.8	0.00	0.00	0.00
5,040.0	8.06	171.70	5,007.6	-463.5	67.6	468.4	0.00	0.00	0.00
5,080.0	8.06	171.70	5,047.3	-469.0	68.5	474.0	0.00	0.00	0.00
5,120.0	8.06	171.70	5,086.9	-474.6	69.3	479.6	0.00	0.00	0.00
5,131.3	8.06	171.70	5,098.1	-476.2	69.5	481.2	0.00	0.00	0.00
5,160.0	7.49	171.70	5,126.5	-480.0	70.1	485.1	2.00	-2.00	0.00
5,200.0	6.69	171.70	5,166.2	-484.9	70.8	490.0	2.00	-2.00	0.00
5,240.0	5.89	171.70	5,205.9	-489.2	71.4	494.4	2.00	-2.00	0.00
5,280.0	5.09	171.70	5,245.7	-493.0	72.0	498.2	2.00	-2.00	0.00
5,320.0	4.29	171.70	5,285.6	-496.3	72.4	501.5	2.00	-2.00	0.00
5,360.0	3.49	171.70	5,325.5	-498.9	72.8	504.2	2.00	-2.00	0.00
5,400.0	2.69	171.70	5,365.5	-501.1	73.1	506.4	2.00	-2.00	0.00
5,440.0	1.89	171.70	5,405.4	-502.7	73.4	508.0	2.00	-2.00	0.00
5,480.0	1.09	171.70	5,445.4	-503.7	73.5	509.0	2.00	-2.00	0.00
5,520.0	0.29	171.70	5,485.4	-504.2	73.6	509.5	2.00	-2.00	0.00
5,534.6	0.00	0.00	5,500.0	-504.2	73.6	509.5	2.00	-2.00	0.00
TARGET BHL 664'FNL, 662'FEL									
5,560.0	0.00	0.00	5,525.4	-504.2	73.6	509.5	0.00	0.00	0.00
5,600.0	0.00	0.00	5,565.4	-504.2	73.6	509.5	0.00	0.00	0.00
5,640.0	0.00	0.00	5,605.4	-504.2	73.6	509.5	0.00	0.00	0.00
5,680.0	0.00	0.00	5,645.4	-504.2	73.6	509.5	0.00	0.00	0.00
5,720.0	0.00	0.00	5,685.4	-504.2	73.6	509.5	0.00	0.00	0.00
5,760.0	0.00	0.00	5,725.4	-504.2	73.6	509.5	0.00	0.00	0.00
5,800.0	0.00	0.00	5,765.4	-504.2	73.6	509.5	0.00	0.00	0.00
5,840.0	0.00	0.00	5,805.4	-504.2	73.6	509.5	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Winter 1-29
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 1-29	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)
5,880.0	0.00	0.00	5,845.4	-504.2	73.6	509.5	0.00	0.00	0.00
5,920.0	0.00	0.00	5,885.4	-504.2	73.6	509.5	0.00	0.00	0.00
5,960.0	0.00	0.00	5,925.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,000.0	0.00	0.00	5,965.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,040.0	0.00	0.00	6,005.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,080.0	0.00	0.00	6,045.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,120.0	0.00	0.00	6,085.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,160.0	0.00	0.00	6,125.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,200.0	0.00	0.00	6,165.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,240.0	0.00	0.00	6,205.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,280.0	0.00	0.00	6,245.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,320.0	0.00	0.00	6,285.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,360.0	0.00	0.00	6,325.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,400.0	0.00	0.00	6,365.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,440.0	0.00	0.00	6,405.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,480.0	0.00	0.00	6,445.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,520.0	0.00	0.00	6,485.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,560.0	0.00	0.00	6,525.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,600.0	0.00	0.00	6,565.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,640.0	0.00	0.00	6,605.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,680.0	0.00	0.00	6,645.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,720.0	0.00	0.00	6,685.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,760.0	0.00	0.00	6,725.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,800.0	0.00	0.00	6,765.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,840.0	0.00	0.00	6,805.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,858.6	0.00	0.00	6,824.0	-504.2	73.6	509.5	0.00	0.00	0.00
NIORARA - LEGAL BOX 400' X 400' 664'FNL & 662'FEL - TARGET CIRCLE 664'FNL & 662'FEL									
6,880.0	0.00	0.00	6,845.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,920.0	0.00	0.00	6,885.4	-504.2	73.6	509.5	0.00	0.00	0.00
6,960.0	0.00	0.00	6,925.4	-504.2	73.6	509.5	0.00	0.00	0.00
7,000.0	0.00	0.00	6,965.4	-504.2	73.6	509.5	0.00	0.00	0.00
7,040.0	0.00	0.00	7,005.4	-504.2	73.6	509.5	0.00	0.00	0.00
7,080.0	0.00	0.00	7,045.4	-504.2	73.6	509.5	0.00	0.00	0.00
7,114.6	0.00	0.00	7,080.0	-504.2	73.6	509.5	0.00	0.00	0.00
FORT HAYS									
7,120.0	0.00	0.00	7,085.4	-504.2	73.6	509.5	0.00	0.00	0.00
7,160.0	0.00	0.00	7,125.4	-504.2	73.6	509.5	0.00	0.00	0.00
7,162.6	0.00	0.00	7,128.0	-504.2	73.6	509.5	0.00	0.00	0.00
CODELL									
7,200.0	0.00	0.00	7,165.4	-504.2	73.6	509.5	0.00	0.00	0.00
7,222.6	0.00	0.00	7,188.0	-504.2	73.6	509.5	0.00	0.00	0.00
GREENHORN									
7,240.0	0.00	0.00	7,205.4	-504.2	73.6	509.5	0.00	0.00	0.00
7,280.0	0.00	0.00	7,245.4	-504.2	73.6	509.5	0.00	0.00	0.00
7,288.6	0.00	0.00	7,254.0	-504.2	73.6	509.5	0.00	0.00	0.00
GRANEROS									
7,309.6	0.00	0.00	7,275.0	-504.2	73.6	509.5	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Winter 1-29
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 1-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-23-13)		

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
TARGET BHL 664'FN - hit/miss target - Shape - Point	0.00	0.00	5,500.0	-504.2	73.6	1,444,017.55	3,163,887.07	40.550732	-104.910243
LEGAL BOX 400' X 400' - plan hits target center - Rectangle (sides W400.0 H400.0 D451.0)	0.00	0.00	6,824.0	-504.2	73.6	1,444,017.55	3,163,887.07	40.550732	-104.910243
TARGET CIRCLE 664' - plan hits target center - Circle (radius 75.0)	0.00	0.00	6,824.0	-504.2	73.6	1,444,017.55	3,163,887.07	40.550732	-104.910243

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 (°)
3,390.0	3,374.0	PARKMAN		0.00	
4,182.9	4,159.0	SUSSEX		0.00	
4,521.2	4,494.0	SHANNON		0.00	
6,858.6	6,824.0	NIOBRARA		0.00	
7,114.6	7,080.0	FORT HAYS		0.00	
7,162.6	7,128.0	CODELL		0.00	
7,222.6	7,188.0	GREENHORN		0.00	
7,288.6	7,254.0	GRANEROS		0.00	



Bayswater Exploration & Production, LLC

SEC.29-T7N-R67W

Heckman/Winter Pad Sec.29-T7N-R67W

Winter 1-29

Wellbore #1

Plan #1 (4-23-13)

Anticollision Report

03 May, 2013



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Winter 1-29
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 1-29	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 4/23/2013			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	7,309.6	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
Offet Well - Wellbore - Design						
Heckman/Winter Pad Sec.29-T7N-R67W						
Heckman 16-20 - Wellbore #1 - Plan #1 (4-23-13)	900.0	899.0	15.0	11.2	3.930	CC
Heckman 16-20 - Wellbore #1 - Plan #1 (4-23-13)	1,000.0	998.9	15.2	11.0	3.572	ES, SF
Heckman 9-20 - Wellbore #1 - Plan #1 (4-23-13)	261.8	261.8	15.1	14.1	15.853	CC
Heckman 9-20 - Wellbore #1 - Plan #1 (4-23-13)	300.0	300.0	15.1	14.0	13.462	ES
Heckman 9-20 - Wellbore #1 - Plan #1 (4-23-13)	400.0	399.7	16.3	14.7	10.330	SF
Winter 8-29 - Wellbore #1 - Plan #1 (4-23-13)	492.6	492.6	30.1	28.1	15.312	CC
Winter 8-29 - Wellbore #1 - Plan #1 (4-23-13)	500.0	500.0	30.1	28.1	15.072	ES
Winter 8-29 - Wellbore #1 - Plan #1 (4-23-13)	700.0	699.1	33.3	30.4	11.652	SF

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						Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)		
0.0	0.0	0.0	0.0	0.0	0.0	90.00	0.0	15.0	15.0	15.0	0.00	N/A	
100.0	100.0	99.0	99.0	0.1	0.1	90.00	0.0	15.0	15.0	14.8	0.22	67.099	
200.0	200.0	199.0	199.0	0.3	0.3	90.00	0.0	15.0	15.0	14.3	0.67	22.329	
300.0	300.0	299.0	299.0	0.6	0.6	90.00	0.0	15.0	15.0	13.9	1.12	13.380	
400.0	400.0	399.0	399.0	0.8	0.8	90.00	0.0	15.0	15.0	13.4	1.57	9.551	
500.0	500.0	499.0	499.0	1.0	1.0	90.00	0.0	15.0	15.0	13.0	2.02	7.426	
600.0	600.0	599.0	599.0	1.2	1.2	90.00	0.0	15.0	15.0	12.5	2.47	6.075	
700.0	700.0	699.0	699.0	1.5	1.5	90.00	0.0	15.0	15.0	12.1	2.92	5.140	
800.0	800.0	799.0	799.0	1.7	1.7	90.00	0.0	15.0	15.0	11.6	3.37	4.454	
900.0	900.0	899.0	899.0	1.9	1.9	90.00	0.0	15.0	15.0	11.2	3.82	3.930 CC	
1,000.0	1,000.0	998.9	998.9	2.1	2.1	83.59	1.7	15.1	15.2	11.0	4.27	3.572 ES, SF	
1,100.0	1,100.0	1,098.6	1,098.4	2.4	2.4	66.24	6.9	15.6	17.0	12.3	4.72	3.611	
1,200.0	1,200.0	1,197.8	1,197.3	2.6	2.6	46.59	15.4	16.3	22.5	17.3	5.17	4.349	
1,300.0	1,300.0	1,296.3	1,295.0	2.8	2.8	32.36	27.3	17.3	32.5	26.9	5.63	5.775	
1,400.0	1,400.0	1,393.8	1,391.4	3.0	3.1	23.65	42.3	18.5	46.8	40.7	6.09	7.682	
1,500.0	1,500.0	1,490.8	1,486.7	3.3	3.4	18.36	60.4	20.0	64.8	58.2	6.56	9.877	
1,600.0	1,600.0	1,588.6	1,582.5	3.5	3.7	-156.77	79.4	21.6	85.5	78.5	6.98	12.251	
1,700.0	1,699.8	1,685.5	1,677.6	3.6	4.0	-159.46	98.3	23.2	109.5	102.2	7.37	14.864	
1,800.0	1,799.5	1,781.5	1,771.8	3.8	4.4	-161.60	116.9	24.7	137.0	129.2	7.76	17.657	
1,900.0	1,898.7	1,876.6	1,865.0	4.0	4.7	-163.31	135.4	26.3	167.7	159.6	8.14	20.609	

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 1-29
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 1-29	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							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		
2,000.0	1,997.7	1,971.0	1,957.6	4.2	5.1	-164.77	153.8	27.8	200.3	191.8	8.55	23.434		
2,100.0	2,096.7	2,065.4	2,050.2	4.5	5.5	-165.83	172.2	29.3	233.0	224.0	8.97	25.983		
2,200.0	2,195.7	2,159.9	2,142.8	4.7	5.8	-166.63	190.6	30.9	265.7	256.3	9.39	28.290		
2,300.0	2,294.7	2,254.3	2,235.5	5.0	6.2	-167.25	208.9	32.4	298.5	288.7	9.82	30.382		
2,400.0	2,393.8	2,348.8	2,328.1	5.3	6.6	-167.75	227.3	33.9	331.3	321.0	10.26	32.284		
2,500.0	2,492.8	2,443.2	2,420.7	5.5	7.0	-168.16	245.7	35.5	364.1	353.4	10.70	34.019		
2,600.0	2,591.8	2,537.6	2,513.3	5.8	7.3	-168.50	264.1	37.0	396.9	385.8	11.15	35.606		
2,700.0	2,690.8	2,632.1	2,605.9	6.1	7.7	-168.79	282.4	38.5	429.7	418.1	11.60	37.060		
2,800.0	2,789.8	2,726.5	2,698.6	6.4	8.1	-169.04	300.8	40.0	462.6	450.5	12.05	38.397		
2,900.0	2,888.8	2,820.9	2,791.2	6.8	8.5	-169.26	319.2	41.6	495.4	482.9	12.50	39.629		
3,000.0	2,987.8	2,915.4	2,883.8	7.1	8.9	-169.44	337.6	43.1	528.3	515.3	12.96	40.768		
3,100.0	3,086.8	3,009.8	2,976.4	7.4	9.3	-169.61	355.9	44.6	561.1	547.7	13.42	41.823		
3,200.0	3,185.8	3,104.2	3,069.0	7.7	9.7	-169.76	374.3	46.2	594.0	580.1	13.88	42.801		
3,300.0	3,284.9	3,198.7	3,161.7	8.0	10.0	-169.89	392.7	47.7	626.9	612.5	14.34	43.712		
3,400.0	3,383.9	3,293.1	3,254.3	8.4	10.4	-170.01	411.1	49.2	659.7	644.9	14.80	44.561		
3,500.0	3,482.9	3,387.6	3,346.9	8.7	10.8	-170.12	429.5	50.8	692.6	677.3	15.27	45.354		
3,600.0	3,581.9	3,482.0	3,439.5	9.0	11.2	-170.22	447.8	52.3	725.5	709.7	15.74	46.096		
3,700.0	3,680.9	3,576.4	3,532.1	9.3	11.6	-170.31	466.2	53.8	758.3	742.1	16.21	46.792		
3,800.0	3,779.9	3,670.9	3,624.7	9.7	12.0	-170.39	484.6	55.3	791.2	774.5	16.68	47.446		
3,900.0	3,878.9	3,765.3	3,717.4	10.0	12.4	-170.47	503.0	56.9	824.1	806.9	17.15	48.060		
4,000.0	3,977.9	3,859.7	3,810.0	10.3	12.8	-170.54	521.3	58.4	857.0	839.3	17.62	48.640		
4,100.0	4,076.9	3,954.2	3,902.6	10.7	13.2	-170.60	539.7	59.9	889.8	871.7	18.09	49.186		
4,200.0	4,176.0	4,048.6	3,995.2	11.0	13.6	-170.66	558.1	61.5	922.7	904.1	18.56	49.703		
4,300.0	4,275.0	4,143.0	4,087.8	11.4	14.0	-170.72	576.5	63.0	955.6	936.6	19.04	50.192		
4,400.0	4,374.0	4,237.5	4,180.5	11.7	14.4	-170.77	594.8	64.5	988.5	969.0	19.51	50.655		
4,500.0	4,473.0	4,331.9	4,273.1	12.0	14.8	-170.82	613.2	66.0	1,021.3	1,001.4	19.99	51.094		
4,600.0	4,572.0	4,426.4	4,365.7	12.4	15.2	-170.86	631.6	67.6	1,054.2	1,033.8	20.47	51.512		
4,700.0	4,671.0	4,520.8	4,458.3	12.7	15.6	-170.91	650.0	69.1	1,087.1	1,066.2	20.94	51.909		
4,800.0	4,770.0	4,615.2	4,550.9	13.1	16.0	-170.95	668.4	70.6	1,120.0	1,098.6	21.42	52.286		
4,900.0	4,869.0	4,709.7	4,643.5	13.4	16.4	-170.99	686.7	72.2	1,152.9	1,131.0	21.90	52.646		
5,000.0	4,968.0	4,804.1	4,736.2	13.8	16.8	-171.02	705.1	73.7	1,185.8	1,163.4	22.38	52.990		
5,100.0	5,067.1	4,898.5	4,828.8	14.1	17.2	-171.06	723.5	75.2	1,218.6	1,195.8	22.86	53.317		
5,200.0	5,166.2	4,993.2	4,921.7	14.4	17.5	-171.15	741.9	76.8	1,250.8	1,227.4	23.40	53.447		
5,300.0	5,265.7	5,088.9	5,015.5	14.6	18.0	-171.25	760.5	78.3	1,279.7	1,255.8	23.94	53.446		
5,400.0	5,365.5	5,244.7	5,168.8	14.8	18.5	-171.29	778.9	80.6	1,303.8	1,279.2	24.56	53.085		
5,500.0	5,465.4	5,426.6	5,349.4	15.0	18.9	-171.30	809.5	82.4	1,318.6	1,293.4	25.14	52.445		
5,600.0	5,565.4	5,611.5	5,534.0	15.2	19.3	0.42	819.7	83.2	1,324.3	1,298.6	25.67	51.596		
5,700.0	5,665.4	5,741.9	5,664.4	15.3	19.5	0.42	820.5	83.3	1,324.7	1,298.6	26.08	50.786		
5,800.0	5,765.4	5,841.9	5,764.4	15.5	19.6	0.42	820.5	83.3	1,324.7	1,298.2	26.47	50.039		
5,900.0	5,865.4	5,941.9	5,864.4	15.6	19.7	0.42	820.5	83.3	1,324.7	1,297.8	26.86	49.310		
6,000.0	5,965.4	6,041.9	5,964.4	15.8	19.9	0.42	820.5	83.3	1,324.7	1,297.4	27.26	48.599		
6,100.0	6,065.4	6,141.9	6,064.4	15.9	20.0	0.42	820.5	83.3	1,324.7	1,297.1	27.65	47.905		
6,200.0	6,165.4	6,241.9	6,164.4	16.1	20.2	0.42	820.5	83.3	1,324.7	1,296.7	28.05	47.228		
6,300.0	6,265.4	6,341.9	6,264.4	16.2	20.3	0.42	820.5	83.3	1,324.7	1,296.3	28.45	46.567		
6,400.0	6,365.4	6,441.9	6,364.4	16.4	20.4	0.42	820.5	83.3	1,324.7	1,295.9	28.85	45.922		
6,500.0	6,465.4	6,541.9	6,464.4	16.6	20.6	0.42	820.5	83.3	1,324.7	1,295.5	29.25	45.292		
6,600.0	6,565.4	6,641.9	6,564.4	16.7	20.7	0.42	820.5	83.3	1,324.7	1,295.1	29.65	44.678		
6,700.0	6,665.4	6,741.9	6,664.4	16.9	20.9	0.42	820.5	83.3	1,324.7	1,294.7	30.05	44.077		
6,800.0	6,765.4	6,841.9	6,764.4	17.1	21.0	0.42	820.5	83.3	1,324.7	1,294.2	30.46	43.491		
6,900.0	6,865.4	6,941.9	6,864.4	17.2	21.2	0.42	820.5	83.3	1,324.7	1,293.8	30.87	42.918		
7,000.0	6,965.4	7,041.9	6,964.4	17.4	21.3	0.42	820.5	83.3	1,324.7	1,293.4	31.27	42.359		
7,100.0	7,065.4	7,141.9	7,064.4	17.6	21.5	0.42	820.5	83.3	1,324.7	1,293.0	31.68	41.813		

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 1-29
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 1-29	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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
7,200.0	7,165.4	7,241.9	7,164.4	17.7	21.7	0.42	820.5	83.3	1,324.7	1,292.6	32.09	41.279				
7,261.1	7,226.5	7,303.0	7,225.5	17.8	21.8	0.42	820.5	83.3	1,324.7	1,292.4	32.34	40.959				
7,300.0	7,265.4	7,327.5	7,250.0	17.9	21.8	0.42	820.5	83.3	1,324.8	1,292.3	32.47	40.797				
7,309.6	7,275.0	7,327.5	7,250.0	17.9	21.8	0.42	820.5	83.3	1,324.9	1,292.4	32.49	40.777				

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Winter 1-29
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 1-29	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	-90.00	0.0	-15.1	15.1	15.1	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	-90.00	0.0	-15.1	15.1	14.9	0.22	67.230		
200.0	200.0	200.0	200.0	0.3	0.3	-90.00	0.0	-15.1	15.1	14.4	0.67	22.410		
261.8	261.8	261.8	261.8	0.5	0.5	-87.47	0.7	-15.1	15.1	14.1	0.95	15.853 CC		
300.0	300.0	300.0	300.0	0.6	0.6	-83.38	1.7	-15.0	15.1	14.0	1.12	13.462 ES		
400.0	400.0	399.7	399.6	0.8	0.8	-64.80	7.0	-14.8	16.3	14.7	1.58	10.330 SF		
500.0	500.0	499.0	498.4	1.0	1.0	-42.66	15.6	-14.3	21.2	19.2	2.05	10.352		
600.0	600.0	597.5	596.3	1.2	1.3	-26.58	27.5	-13.8	31.0	28.5	2.52	12.290		
700.0	700.0	695.1	692.7	1.5	1.6	-16.98	42.6	-13.0	45.2	42.2	2.99	15.112		
800.0	800.0	791.6	787.4	1.7	2.0	-11.28	60.8	-12.1	63.3	59.8	3.46	18.288		
900.0	900.0	886.7	880.2	1.9	2.4	-7.72	81.8	-11.1	84.9	81.0	3.93	21.591		
1,000.0	1,000.0	980.3	970.7	2.1	2.8	-5.38	105.5	-9.9	109.9	105.5	4.41	24.923		
1,100.0	1,100.0	1,072.2	1,058.8	2.4	3.3	-3.76	131.6	-8.7	138.2	133.3	4.89	28.236		
1,200.0	1,200.0	1,162.3	1,144.4	2.6	3.8	-2.60	159.9	-7.3	169.5	164.1	5.38	31.506		
1,300.0	1,300.0	1,250.5	1,227.1	2.8	4.4	-1.74	190.2	-5.8	203.8	197.9	5.87	34.722		
1,400.0	1,400.0	1,336.7	1,307.1	3.0	5.0	-1.08	222.3	-4.2	241.0	234.6	6.36	37.879		
1,500.0	1,500.0	1,420.7	1,384.1	3.3	5.6	-0.57	255.8	-2.6	280.9	274.0	6.86	40.974		
1,600.0	1,600.0	1,505.2	1,460.6	3.5	6.3	-171.76	291.7	-0.8	324.8	317.5	7.30	44.517		
1,700.0	1,699.8	1,593.1	1,540.0	3.6	7.0	-171.38	329.4	1.1	372.4	364.7	7.71	48.321		
1,800.0	1,799.5	1,679.4	1,617.9	3.8	7.7	-171.12	366.5	2.9	422.9	414.8	8.10	52.202		
1,900.0	1,898.7	1,763.9	1,694.2	4.0	8.4	-170.93	402.7	4.7	476.4	467.9	8.48	56.171		
2,000.0	1,997.7	1,847.4	1,769.6	4.2	9.1	-170.97	438.5	6.4	531.5	522.5	8.91	59.623		
2,100.0	2,096.7	1,930.9	1,845.0	4.5	9.7	-171.00	474.4	8.2	586.5	577.1	9.36	62.688		
2,200.0	2,195.7	2,014.4	1,920.4	4.7	10.4	-171.03	510.2	9.9	641.5	631.7	9.80	65.428		
2,300.0	2,294.7	2,097.9	1,995.8	5.0	11.1	-171.06	546.0	11.7	696.6	686.3	10.26	67.886		
2,400.0	2,393.8	2,181.4	2,071.2	5.3	11.8	-171.08	581.8	13.4	751.6	740.9	10.72	70.097		
2,500.0	2,492.8	2,264.9	2,146.6	5.5	12.5	-171.10	617.7	15.2	806.6	795.4	11.19	72.095		
2,600.0	2,591.8	2,348.4	2,222.0	5.8	13.2	-171.11	653.5	17.0	861.7	850.0	11.66	73.906		
2,700.0	2,690.8	2,431.9	2,297.4	6.1	13.9	-171.13	689.3	18.7	916.7	904.6	12.13	75.554		
2,800.0	2,789.8	2,515.3	2,372.8	6.4	14.6	-171.14	725.2	20.5	971.7	959.1	12.61	77.057		
2,900.0	2,888.8	2,598.8	2,448.2	6.8	15.3	-171.15	761.0	22.2	1,026.8	1,013.7	13.09	78.433		
3,000.0	2,987.8	2,682.3	2,523.6	7.1	15.9	-171.16	796.8	24.0	1,081.8	1,068.2	13.57	79.694		
3,100.0	3,086.8	2,765.8	2,598.9	7.4	16.6	-171.17	832.6	25.7	1,136.8	1,122.8	14.06	80.855		
3,200.0	3,185.8	2,849.3	2,674.3	7.7	17.3	-171.18	868.5	27.5	1,191.9	1,177.3	14.55	81.926		
3,300.0	3,284.9	2,932.8	2,749.7	8.0	18.0	-171.18	904.3	29.3	1,246.9	1,231.9	15.04	82.917		
3,400.0	3,383.9	3,016.3	2,825.1	8.4	18.7	-171.19	940.1	31.0	1,301.9	1,286.4	15.53	83.836		
3,500.0	3,482.9	3,099.8	2,900.5	8.7	19.4	-171.20	976.0	32.8	1,357.0	1,341.0	16.02	84.689		
3,600.0	3,581.9	3,183.3	2,975.9	9.0	20.1	-171.20	1,011.8	34.5	1,412.0	1,395.5	16.52	85.484		
3,700.0	3,680.9	3,266.8	3,051.3	9.3	20.8	-171.21	1,047.6	36.3	1,467.0	1,450.0	17.01	86.225		
3,800.0	3,779.9	3,350.3	3,126.7	9.7	21.5	-171.21	1,083.4	38.1	1,522.1	1,504.6	17.51	86.917		
3,900.0	3,878.9	3,433.8	3,202.1	10.0	22.2	-171.22	1,119.3	39.8	1,577.1	1,559.1	18.01	87.566		
4,000.0	3,977.9	3,517.3	3,277.5	10.3	22.9	-171.22	1,155.1	41.6	1,632.2	1,613.6	18.51	88.174		
4,100.0	4,076.9	3,600.8	3,352.9	10.7	23.6	-171.23	1,190.9	43.3	1,687.2	1,668.2	19.01	88.746		
4,200.0	4,176.0	3,684.2	3,428.3	11.0	24.3	-171.23	1,226.8	45.1	1,742.2	1,722.7	19.51	89.284		
4,300.0	4,275.0	3,767.7	3,503.7	11.4	25.0	-171.23	1,262.6	46.8	1,797.3	1,777.2	20.02	89.791		
4,400.0	4,374.0	3,851.2	3,579.1	11.7	25.7	-171.24	1,298.4	48.6	1,852.3	1,831.8	20.52	90.269		
4,500.0	4,473.0	3,934.7	3,654.5	12.0	26.3	-171.24	1,334.2	50.4	1,907.3	1,886.3	21.02	90.721		
4,600.0	4,572.0	4,018.2	3,729.9	12.4	27.0	-171.24	1,370.1	52.1	1,962.4	1,940.8	21.53	91.149		
4,700.0	4,671.0	4,101.7	3,805.3	12.7	27.7	-171.25	1,405.9	53.9	2,017.4	1,995.4	22.04	91.554		
4,800.0	4,770.0	4,185.2	3,880.7	13.1	28.4	-171.25	1,441.7	55.6	2,072.4	2,049.9	22.54	91.938		
4,900.0	4,869.0	4,268.7	3,956.1	13.4	29.1	-171.25	1,477.5	57.4	2,127.5	2,104.4	23.05	92.303		
5,000.0	4,968.0	4,352.2	4,031.4	13.8	29.8	-171.25	1,513.4	59.2	2,182.5	2,159.0	23.56	92.649		

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 1-29
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 1-29	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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,067.1	4,435.7	4,106.8	14.1	30.5	-171.26	1,549.2	60.9	2,237.5	2,213.5	24.07	92.979	
5,200.0	5,166.2	4,519.6	4,182.6	14.4	31.2	-171.39	1,585.2	62.7	2,291.9	2,267.2	24.74	92.652	
5,300.0	5,265.7	4,605.3	4,260.0	14.6	31.9	-171.55	1,622.0	64.5	2,343.5	2,318.0	25.46	92.057	
5,400.0	5,365.5	4,692.7	4,338.9	14.8	32.7	-171.68	1,659.5	66.3	2,392.0	2,365.9	26.16	91.441	
5,500.0	5,465.4	4,781.7	4,419.3	15.0	33.4	-171.79	1,697.7	68.2	2,437.6	2,410.7	26.84	90.809	
5,600.0	5,565.4	4,871.9	4,500.8	15.2	34.1	-0.09	1,736.4	70.1	2,480.7	2,453.3	27.41	90.508	
5,700.0	5,665.4	4,962.2	4,582.3	15.3	34.9	-0.04	1,775.1	72.0	2,523.6	2,495.7	27.91	90.430	
5,800.0	5,765.4	5,052.5	4,663.8	15.5	35.7	0.01	1,813.9	73.9	2,566.5	2,538.1	28.41	90.351	
5,900.0	5,865.4	5,142.8	4,745.4	15.6	36.4	0.05	1,852.6	75.8	2,609.4	2,580.5	28.91	90.271	
6,000.0	5,965.4	5,997.6	5,558.0	15.8	40.5	0.32	2,107.2	88.3	2,643.1	2,611.7	31.34	84.329	
6,100.0	6,065.4	6,506.8	6,065.4	15.9	41.3	0.35	2,141.5	90.0	2,645.8	2,613.4	32.32	81.866	
6,200.0	6,165.4	6,606.8	6,165.4	16.1	41.4	0.35	2,141.5	90.0	2,645.8	2,613.1	32.65	81.028	
6,300.0	6,265.4	6,706.8	6,265.4	16.2	41.4	0.35	2,141.5	90.0	2,645.8	2,612.8	32.99	80.201	
6,400.0	6,365.4	6,806.8	6,365.4	16.4	41.5	0.35	2,141.5	90.0	2,645.8	2,612.4	33.33	79.385	
6,500.0	6,465.4	6,906.8	6,465.4	16.6	41.6	0.35	2,141.5	90.0	2,645.8	2,612.1	33.67	78.580	
6,600.0	6,565.4	7,006.8	6,565.4	16.7	41.6	0.35	2,141.5	90.0	2,645.8	2,611.7	34.01	77.785	
6,700.0	6,665.4	7,106.8	6,665.4	16.9	41.7	0.35	2,141.5	90.0	2,645.8	2,611.4	34.36	77.001	
6,800.0	6,765.4	7,206.8	6,765.4	17.1	41.8	0.35	2,141.5	90.0	2,645.8	2,611.0	34.71	76.228	
6,900.0	6,865.4	7,306.8	6,865.4	17.2	41.9	0.35	2,141.5	90.0	2,645.8	2,610.7	35.06	75.466	
7,000.0	6,965.4	7,406.8	6,965.4	17.4	41.9	0.35	2,141.5	90.0	2,645.8	2,610.3	35.41	74.715	
7,100.0	7,065.4	7,506.8	7,065.4	17.6	42.0	0.35	2,141.5	90.0	2,645.8	2,610.0	35.77	73.974	
7,200.0	7,165.4	7,606.8	7,165.4	17.7	42.1	0.35	2,141.5	90.0	2,645.8	2,609.6	36.12	73.244	
7,232.8	7,198.2	7,639.6	7,198.2	17.8	42.1	0.35	2,141.5	90.0	2,645.8	2,609.5	36.24	73.007	
7,300.0	7,265.4	7,656.4	7,215.0	17.9	42.1	0.35	2,141.5	90.0	2,646.2	2,609.8	36.40	72.695	
7,309.6	7,275.0	7,656.4	7,215.0	17.9	42.1	0.35	2,141.5	90.0	2,646.4	2,610.0	36.42	72.661	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Winter 1-29
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 1-29	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 8-29 - 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	-92.85	-1.5	-30.0	30.1	28.1	1.96	15.312 CC		
500.0	500.0	500.0	500.0	1.0	1.0	-93.32	-1.7	-30.0	30.1	28.1	2.00	15.072 ES		
600.0	600.0	599.8	599.6	1.2	1.2	-103.15	-7.0	-29.8	30.6	28.2	2.41	12.684		
700.0	700.0	699.1	698.5	1.5	1.4	-117.96	-15.6	-29.3	33.3	30.4	2.85	11.652 SF		
800.0	800.0	797.6	796.4	1.7	1.6	-133.75	-27.5	-28.7	40.0	36.6	3.32	12.029		
900.0	900.0	895.3	892.8	1.9	1.9	-146.72	-42.7	-28.0	51.5	47.7	3.80	13.563		
1,000.0	1,000.0	991.8	987.6	2.1	2.3	-155.99	-60.8	-27.1	67.7	63.5	4.28	15.841		
1,100.0	1,100.0	1,086.9	1,080.3	2.4	2.7	-162.35	-81.9	-26.0	88.1	83.4	4.75	18.536		
1,200.0	1,200.0	1,180.5	1,170.9	2.6	3.1	-166.74	-105.5	-24.9	112.3	107.0	5.23	21.447		
1,300.0	1,300.0	1,272.5	1,259.0	2.8	3.6	-169.85	-131.7	-23.6	139.9	134.2	5.72	24.461		
1,400.0	1,400.0	1,362.6	1,344.6	3.0	4.1	-172.12	-160.0	-22.2	170.8	164.6	6.21	27.515		
1,500.0	1,500.0	1,450.8	1,427.4	3.3	4.7	-173.81	-190.3	-20.6	204.8	198.1	6.70	30.573		
1,600.0	1,600.0	1,537.5	1,507.9	3.5	5.3	13.11	-222.6	-19.0	240.1	233.1	7.04	34.092		
1,700.0	1,699.8	1,630.8	1,593.8	3.6	6.0	12.12	-258.9	-17.2	274.0	266.5	7.49	36.593		
1,800.0	1,799.5	1,725.9	1,681.4	3.8	6.7	11.47	-295.9	-15.4	304.7	296.8	7.95	38.340		
1,900.0	1,898.7	1,822.1	1,769.9	4.0	7.4	11.05	-333.3	-13.5	332.2	323.8	8.42	39.430		
2,000.0	1,997.7	1,918.7	1,858.9	4.2	8.1	10.85	-370.9	-11.7	357.9	349.0	8.93	40.091		
2,100.0	2,096.7	2,015.3	1,947.9	4.5	8.9	10.68	-408.5	-9.8	383.6	374.2	9.44	40.642		
2,200.0	2,195.7	2,111.9	2,036.9	4.7	9.6	10.53	-446.1	-7.9	409.3	399.4	9.96	41.106		
2,300.0	2,294.7	2,208.6	2,125.9	5.0	10.3	10.39	-483.7	-6.0	435.1	424.6	10.48	41.498		
2,400.0	2,393.8	2,305.2	2,214.9	5.3	11.1	10.27	-521.3	-4.2	460.8	449.8	11.02	41.832		
2,500.0	2,492.8	2,401.8	2,303.9	5.5	11.8	10.17	-558.9	-2.3	486.5	475.0	11.55	42.118		
2,600.0	2,591.8	2,498.5	2,392.9	5.8	12.6	10.07	-596.5	-0.4	512.2	500.1	12.09	42.363		
2,700.0	2,690.8	2,595.1	2,481.9	6.1	13.3	9.99	-634.1	1.4	538.0	525.3	12.64	42.575		
2,800.0	2,789.8	2,691.7	2,570.9	6.4	14.1	9.91	-671.6	3.3	563.7	550.5	13.18	42.759		
2,900.0	2,888.8	2,788.4	2,659.9	6.8	14.8	9.84	-709.2	5.2	589.4	575.7	13.73	42.920		
3,000.0	2,987.8	2,885.0	2,748.9	7.1	15.6	9.77	-746.8	7.1	615.2	600.9	14.29	43.060		
3,100.0	3,086.8	2,981.6	2,837.9	7.4	16.3	9.71	-784.4	8.9	640.9	626.1	14.84	43.183		
3,200.0	3,185.8	3,078.3	2,926.9	7.7	17.1	9.65	-822.0	10.8	666.6	651.2	15.40	43.292		
3,300.0	3,284.9	3,174.9	3,015.9	8.0	17.8	9.60	-859.6	12.7	692.4	676.4	15.96	43.388		
3,400.0	3,383.9	3,271.5	3,104.9	8.4	18.5	9.56	-897.2	14.5	718.1	701.6	16.52	43.473		
3,500.0	3,482.9	3,368.1	3,193.9	8.7	19.3	9.51	-934.8	16.4	743.8	726.7	17.08	43.549		
3,600.0	3,581.9	3,464.8	3,282.9	9.0	20.0	9.47	-972.4	18.3	769.6	751.9	17.64	43.617		
3,700.0	3,680.9	3,561.4	3,371.9	9.3	20.8	9.43	-1,010.0	20.2	795.3	777.1	18.21	43.677		
3,800.0	3,779.9	3,658.0	3,460.9	9.7	21.5	9.39	-1,047.6	22.0	821.0	802.3	18.77	43.731		
3,900.0	3,878.9	3,754.7	3,549.9	10.0	22.3	9.36	-1,085.2	23.9	846.8	827.4	19.34	43.780		
4,000.0	3,977.9	3,851.3	3,638.9	10.3	23.0	9.33	-1,122.8	25.8	872.5	852.6	19.91	43.824		
4,100.0	4,076.9	3,947.9	3,727.9	10.7	23.8	9.30	-1,160.4	27.6	898.2	877.8	20.48	43.863		
4,200.0	4,176.0	4,044.6	3,816.9	11.0	24.5	9.27	-1,198.0	29.5	924.0	902.9	21.05	43.899		
4,300.0	4,275.0	4,141.2	3,905.9	11.4	25.3	9.24	-1,235.6	31.4	949.7	928.1	21.62	43.931		
4,400.0	4,374.0	4,237.8	3,994.9	11.7	26.0	9.22	-1,273.2	33.3	975.4	953.3	22.19	43.960		
4,500.0	4,473.0	4,334.5	4,083.9	12.0	26.8	9.19	-1,310.8	35.1	1,001.2	978.4	22.76	43.986		
4,600.0	4,572.0	4,431.1	4,172.9	12.4	27.5	9.17	-1,348.3	37.0	1,026.9	1,003.6	23.33	44.010		
4,700.0	4,671.0	4,527.7	4,261.9	12.7	28.3	9.15	-1,385.9	38.9	1,052.7	1,028.8	23.91	44.032		
4,800.0	4,770.0	4,624.3	4,350.9	13.1	29.1	9.13	-1,423.5	40.7	1,078.4	1,053.9	24.48	44.052		
4,900.0	4,869.0	4,721.0	4,439.9	13.4	29.8	9.11	-1,461.1	42.6	1,104.1	1,079.1	25.05	44.070		
5,000.0	4,968.0	4,817.6	4,528.9	13.8	30.6	9.09	-1,498.7	44.5	1,129.9	1,104.2	25.63	44.086		

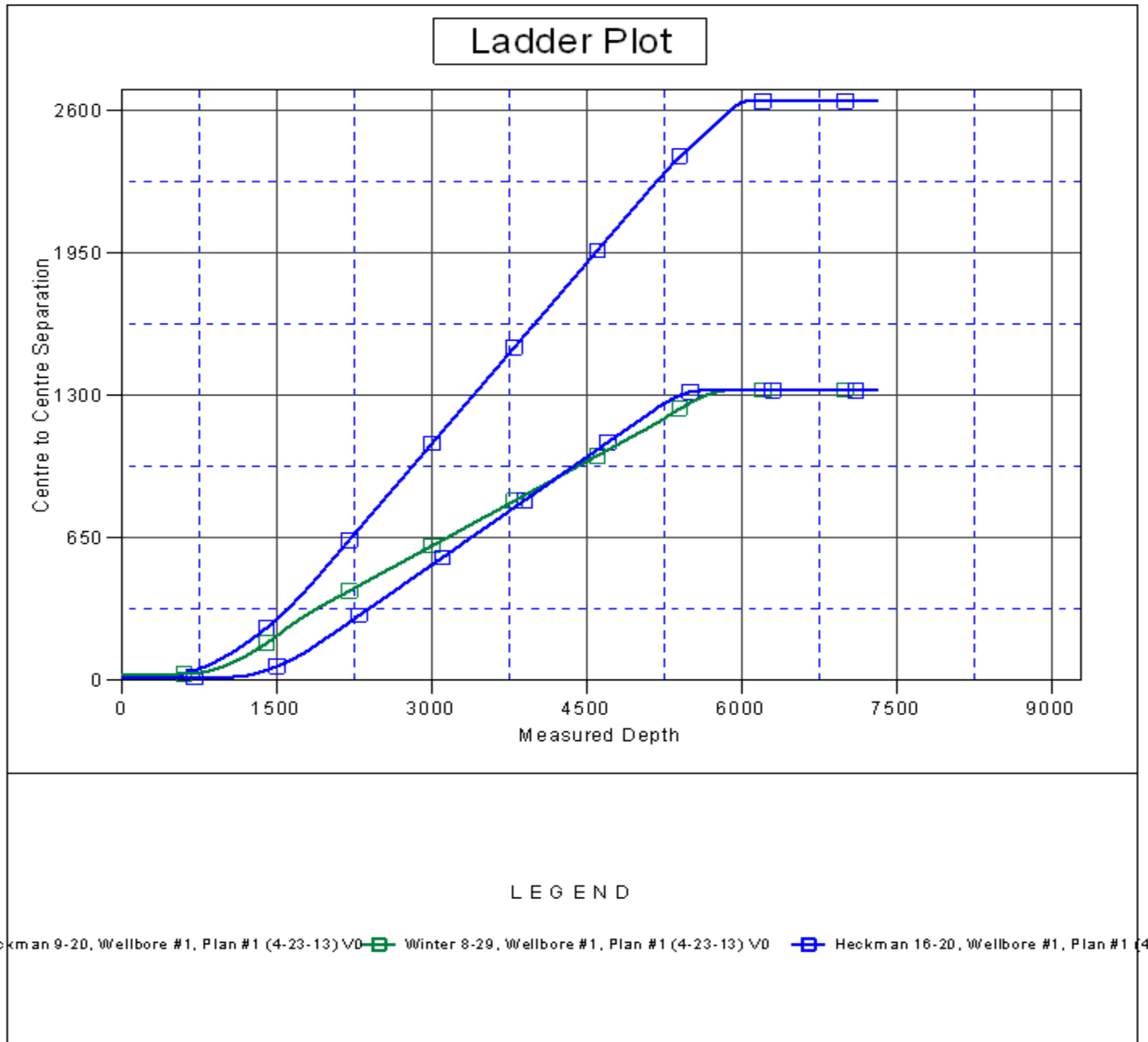
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Winter 1-29
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 1-29	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 8-29 - 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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,067.1	4,914.2	4,617.9	14.1	31.3	9.07	-1,536.3	46.3	1,155.6	1,129.4	26.20	44.101	
5,200.0	5,166.2	5,010.6	4,706.7	14.4	32.1	9.11	-1,573.8	48.2	1,182.1	1,155.4	26.70	44.271	
5,300.0	5,265.7	5,114.5	4,802.3	14.6	32.8	9.15	-1,614.2	50.2	1,211.8	1,184.6	27.14	44.654	
5,400.0	5,365.5	5,281.3	4,958.2	14.8	33.7	9.14	-1,673.5	53.2	1,241.3	1,213.6	27.67	44.859	
5,500.0	5,465.4	5,452.3	5,121.3	15.0	34.4	9.11	-1,724.8	55.7	1,268.5	1,240.4	28.13	45.088	
5,600.0	5,565.4	5,627.6	5,291.3	15.2	35.1	-179.29	-1,767.2	57.8	1,292.5	1,263.8	28.68	45.067	
5,700.0	5,665.4	5,807.6	5,468.2	15.3	35.6	-179.38	-1,799.8	59.5	1,310.6	1,281.4	29.25	44.803	
5,800.0	5,765.4	5,991.0	5,650.4	15.5	36.0	-179.43	-1,821.6	60.5	1,322.5	1,292.7	29.78	44.406	
5,900.0	5,865.4	6,176.6	5,835.6	15.6	36.3	-179.46	-1,831.8	61.1	1,328.0	1,297.7	30.26	43.886	
6,000.0	5,965.4	6,306.4	5,965.4	15.8	36.4	-179.46	-1,832.5	61.1	1,328.4	1,297.7	30.63	43.363	
6,100.0	6,065.4	6,406.4	6,065.4	15.9	36.4	-179.46	-1,832.5	61.1	1,328.4	1,297.4	30.96	42.911	
6,200.0	6,165.4	6,506.4	6,165.4	16.1	36.5	-179.46	-1,832.5	61.1	1,328.4	1,297.1	31.28	42.463	
6,300.0	6,265.4	6,606.4	6,265.4	16.2	36.6	-179.46	-1,832.5	61.1	1,328.4	1,296.8	31.61	42.022	
6,400.0	6,365.4	6,706.4	6,365.4	16.4	36.6	-179.46	-1,832.5	61.1	1,328.4	1,296.4	31.94	41.586	
6,500.0	6,465.4	6,806.4	6,465.4	16.6	36.7	-179.46	-1,832.5	61.1	1,328.4	1,296.1	32.28	41.155	
6,600.0	6,565.4	6,906.4	6,565.4	16.7	36.8	-179.46	-1,832.5	61.1	1,328.4	1,295.8	32.61	40.730	
6,700.0	6,665.4	7,006.4	6,665.4	16.9	36.8	-179.46	-1,832.5	61.1	1,328.4	1,295.4	32.95	40.311	
6,800.0	6,765.4	7,106.4	6,765.4	17.1	36.9	-179.46	-1,832.5	61.1	1,328.4	1,295.1	33.29	39.897	
6,900.0	6,865.4	7,206.4	6,865.4	17.2	37.0	-179.46	-1,832.5	61.1	1,328.4	1,294.7	33.64	39.489	
7,000.0	6,965.4	7,306.4	6,965.4	17.4	37.0	-179.46	-1,832.5	61.1	1,328.4	1,294.4	33.99	39.087	
7,100.0	7,065.4	7,406.4	7,065.4	17.6	37.1	-179.46	-1,832.5	61.1	1,328.4	1,294.0	34.33	38.690	
7,200.0	7,165.4	7,506.4	7,165.4	17.7	37.2	-179.46	-1,832.5	61.1	1,328.4	1,293.7	34.68	38.299	
7,300.0	7,265.4	7,606.4	7,265.4	17.9	37.3	-179.46	-1,832.5	61.1	1,328.4	1,293.3	35.04	37.914	
7,309.6	7,275.0	7,616.0	7,275.0	17.9	37.3	-179.46	-1,832.5	61.1	1,328.4	1,293.3	35.07	37.877	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Winter 1-29
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 1-29	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 1-29
 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°



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Winter 1-29
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 1-29	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 1-29
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°

