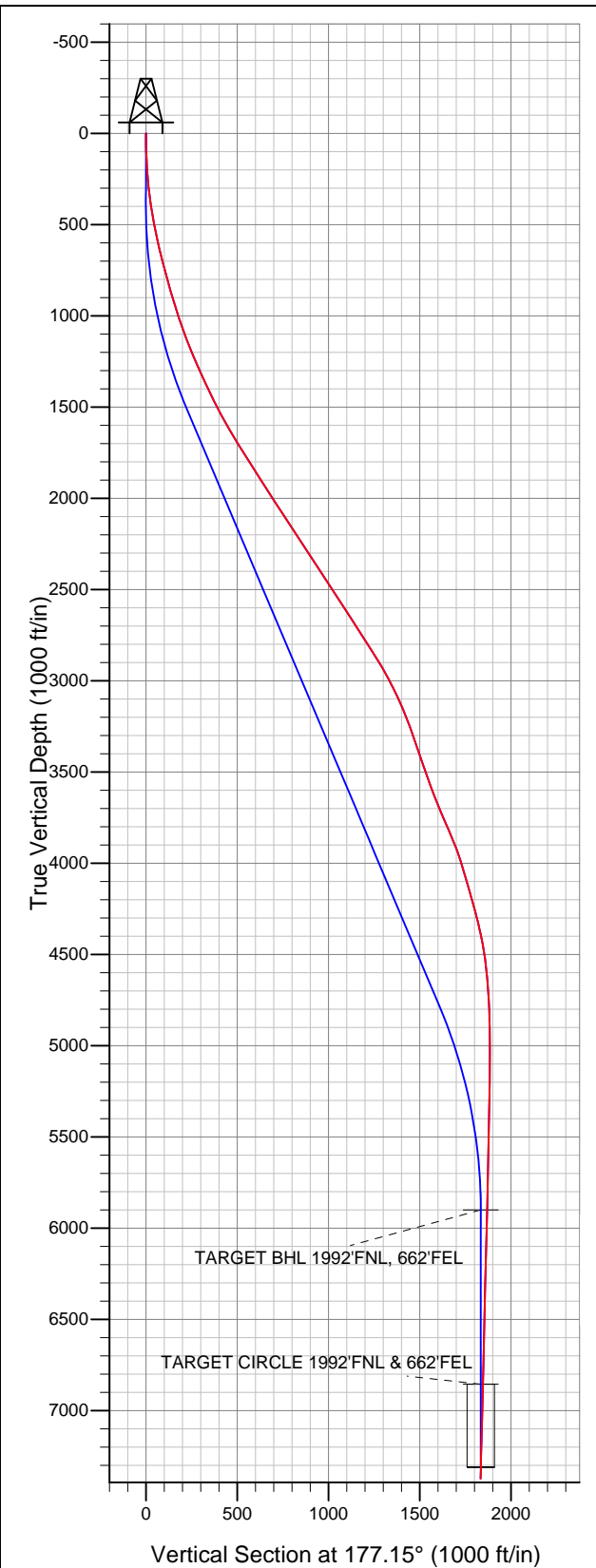
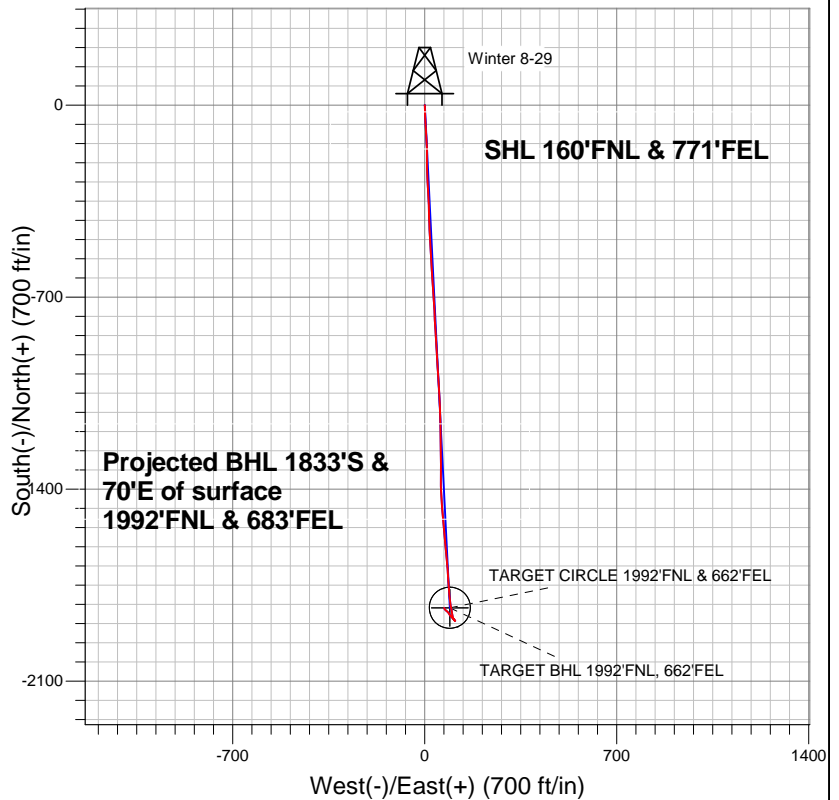


**Well Name: Winter 8-29**

Surface Location: Heckman/Winter Pad Sec.29-T7N-R67W  
North American Datum 1983 US State Plane 1983 Colorado Northern Zone  
Ground Elevation: 4972.0  
+N/-S +E/-W Northing Easting Latitude Longitude Slot  
0.0 0.0 1444521.04 3163780.01 40.552116 -104.910616  
Original Well Elev WELL @ 4988.0ft (Original Well Elev)



**Bayswater Exploration & Production, LLC**



**LEGEND**

- + Winter 8-29, Wellbore #1, Plan #1 (12-25-13)R V0
- + Wellbore #1
- + Survey #1

**Final Survey Plot**

Projected Final Survey -  
7805'MD & 7373'TVD @ 1834'VS  
1.30 deg Inc 335.60 deg AZ

Project: SEC.29-T7N-R67W  
Site: Heckman/Winter Pad Sec.29-T7N-R67W  
Well: Winter 8-29  
Plan: Wellbore #1



# **Bayswater Exploration & Production, LLC**

**SEC.29-T7N-R67W**

**Heckman/Winter Pad Sec.29-T7N-R67W**

**Winter 8-29**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**02 January, 2014**



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

<b>Project</b>	SEC.29-T7N-R67W, Weld County, Colorado		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

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

<b>Well</b>	Winter 8-29		
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>
			<b>Latitude:</b>
			<b>Longitude:</b>
			<b>Ground Level:</b>

<b>Wellbore</b>	Wellbore #1		
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>
	IGRF2010	12/25/2013	8.62
			<b>Dip Angle (°)</b>
			67.06
			<b>Field Strength (nT)</b>
			52,928

<b>Design</b>	Wellbore #1		
<b>Audit Notes:</b>			
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL
		<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>
	0.0	0.0	0.0
			<b>Direction (°)</b>
			177.15

<b>Survey Program</b>	<b>Date</b>	1/2/2014		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
96.0	7,805.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

<b>Survey</b>									
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
96.0	2.10	172.60	96.0	-1.7	0.2	1.8	2.19	2.19	0.00
186.0	3.30	176.70	185.9	-6.0	0.6	6.0	1.35	1.33	4.56
276.0	5.50	179.30	275.6	-12.9	0.8	12.9	2.45	2.44	2.89
366.0	7.80	180.90	365.0	-23.3	0.7	23.3	2.56	2.56	1.78
458.0	9.90	178.10	455.9	-37.4	0.9	37.4	2.33	2.28	-3.04
548.0	11.60	175.80	544.3	-54.2	1.8	54.2	1.95	1.89	-2.56
639.0	13.40	176.70	633.2	-73.8	3.1	73.9	1.99	1.98	0.99
730.0	15.20	177.70	721.3	-96.3	4.2	96.4	2.00	1.98	1.10
842.0	15.30	174.90	829.4	-125.7	6.1	125.8	0.66	0.09	-2.50
970.0	17.10	179.30	952.3	-161.3	7.8	161.5	1.70	1.41	3.44
1,098.0	20.40	180.20	1,073.5	-202.5	8.0	202.6	2.59	2.58	0.70
1,227.0	22.00	177.70	1,193.8	-249.1	8.9	249.2	1.42	1.24	-1.94

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

## 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)
1,355.0	24.20	176.50	1,311.5	-299.2	11.4	299.4	1.76	1.72	-0.94
1,483.0	25.60	178.10	1,427.6	-353.1	14.0	353.3	1.21	1.09	1.25
1,611.0	28.60	178.60	1,541.5	-411.3	15.6	411.6	2.35	2.34	0.39
1,740.0	31.30	176.50	1,653.3	-475.7	18.4	476.0	2.24	2.09	-1.63
1,868.0	31.60	177.20	1,762.5	-542.4	22.1	542.8	0.37	0.23	0.55
1,996.0	32.80	176.10	1,870.8	-610.4	26.1	611.0	1.04	0.94	-0.86
2,125.0	32.40	175.60	1,979.5	-679.8	31.1	680.5	0.37	-0.31	-0.39
2,253.0	33.60	177.90	2,086.8	-749.4	35.0	750.2	1.36	0.94	1.80
2,381.0	32.80	176.10	2,193.9	-819.3	38.7	820.2	0.99	-0.63	-1.41
2,509.0	33.10	176.30	2,301.3	-888.8	43.3	889.9	0.25	0.23	0.16
2,638.0	34.20	177.20	2,408.7	-960.2	47.4	961.3	0.94	0.85	0.70
2,766.0	33.40	176.30	2,515.1	-1,031.3	51.4	1,032.5	0.74	-0.63	-0.70
2,894.0	32.80	177.70	2,622.3	-1,101.1	55.1	1,102.4	0.76	-0.47	1.09
3,022.0	31.30	178.60	2,730.8	-1,168.9	57.3	1,170.3	1.23	-1.17	0.70
3,150.0	33.40	179.80	2,838.9	-1,237.4	58.2	1,238.8	1.72	1.64	0.94
3,279.0	29.80	180.00	2,948.8	-1,305.0	58.3	1,306.3	2.79	-2.79	0.16
3,407.0	25.40	180.40	3,062.2	-1,364.3	58.1	1,365.5	3.44	-3.44	0.31
3,535.0	22.90	176.00	3,179.0	-1,416.6	59.7	1,417.8	2.41	-1.95	-3.44
3,663.0	19.10	175.80	3,298.5	-1,462.3	62.9	1,463.7	2.97	-2.97	-0.16
3,792.0	18.20	175.40	3,420.7	-1,503.5	66.1	1,504.9	0.70	-0.70	-0.31
3,920.0	19.80	174.90	3,541.7	-1,545.0	69.6	1,546.5	1.26	1.25	-0.39
4,048.0	22.00	174.60	3,661.3	-1,590.5	73.8	1,592.2	1.72	1.72	-0.23
4,177.0	23.90	174.40	3,780.1	-1,640.5	78.6	1,642.4	1.47	1.47	-0.16
4,305.0	21.80	175.60	3,898.0	-1,690.0	83.0	1,692.1	1.68	-1.64	0.94
4,433.0	16.30	176.00	4,019.0	-1,731.7	86.1	1,733.8	4.30	-4.30	0.31
4,561.0	16.40	175.80	4,141.8	-1,767.6	88.6	1,769.8	0.09	0.08	-0.16
4,690.0	15.10	175.10	4,266.0	-1,802.5	91.4	1,804.8	1.02	-1.01	-0.54
4,818.0	12.10	168.10	4,390.4	-1,832.3	95.6	1,834.8	2.67	-2.34	-5.47
4,946.0	7.80	172.80	4,516.4	-1,854.0	99.5	1,856.7	3.42	-3.36	3.67
5,074.0	5.50	161.40	4,643.5	-1,868.5	102.5	1,871.3	2.06	-1.80	-8.91
5,202.0	3.60	131.30	4,771.1	-1,876.9	107.5	1,880.0	2.34	-1.48	-23.52
5,331.0	0.60	164.90	4,900.0	-1,880.3	110.7	1,883.4	2.42	-2.33	26.05
5,459.0	0.40	251.50	5,028.0	-1,881.1	110.5	1,884.2	0.55	-0.16	67.66
5,630.0	0.80	334.30	5,199.0	-1,880.2	109.4	1,883.3	0.50	0.23	48.42
5,801.0	1.20	337.50	5,370.0	-1,877.4	108.2	1,880.5	0.24	0.23	1.87
5,972.0	1.50	312.50	5,541.0	-1,874.3	105.8	1,877.2	0.38	0.18	-14.62
6,141.0	1.80	308.90	5,709.9	-1,871.1	102.1	1,873.9	0.19	0.18	-2.13
6,312.0	1.80	317.10	5,880.8	-1,867.5	98.2	1,870.0	0.15	0.00	4.80
6,332.1	1.80	316.85	5,900.9	-1,867.0	97.8	1,869.5	0.04	0.00	-1.23
<b>TARGET BHL 1992'FNL, 662'FEL</b>									
6,483.0	1.80	315.00	6,051.7	-1,863.6	94.5	1,866.0	0.04	0.00	-1.23
6,654.0	1.80	333.80	6,222.6	-1,859.3	91.4	1,861.5	0.34	0.00	10.99
6,825.0	1.40	330.10	6,393.6	-1,855.1	89.2	1,857.2	0.24	-0.23	-2.16
6,996.0	1.60	320.10	6,564.5	-1,851.4	86.6	1,853.4	0.19	0.12	-5.85
7,167.0	2.00	313.40	6,735.4	-1,847.5	82.9	1,849.4	0.26	0.23	-3.92
7,286.6	2.00	311.44	6,855.0	-1,844.7	79.8	1,846.4	0.06	0.00	-1.64
<b>TARGET CIRCLE 1992'FNL &amp; 662'FEL</b>									
7,338.0	2.00	310.60	6,906.3	-1,843.5	78.5	1,845.2	0.06	0.00	-1.64
7,509.0	1.90	315.00	7,077.2	-1,839.6	74.2	1,841.0	0.11	-0.06	2.57
7,680.0	1.50	343.30	7,248.2	-1,835.4	71.6	1,836.7	0.54	-0.23	16.55
7,745.0	1.30	335.60	7,313.1	-1,834.0	71.0	1,835.2	0.42	-0.31	-11.85
7,805.0	1.30	335.60	7,373.1	-1,832.7	70.4	1,834.0	0.00	0.00	0.00

**Company:** Bayswater Exploration & Production, LLC  
**Project:** SEC.29-T7N-R67W  
**Site:** Heckman/Winter Pad Sec.29-T7N-R67W  
**Well:** Winter 8-29  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**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  
**Database:** Landmark

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_