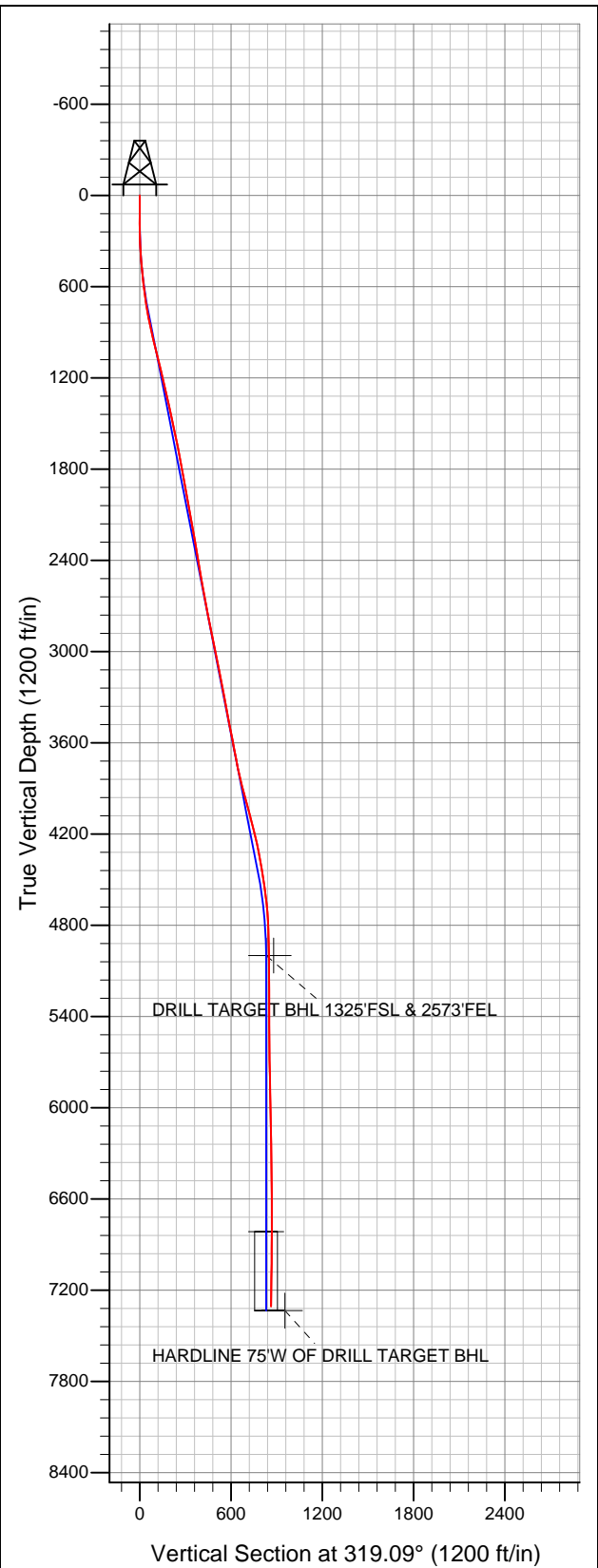


# Well Name: Milne 23-18

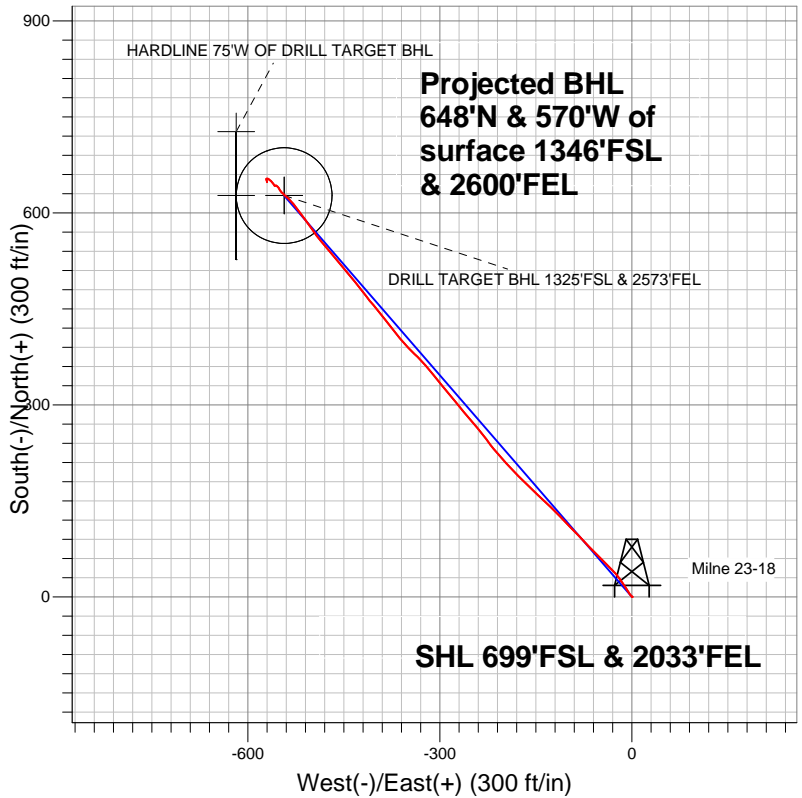
Surface Location: Milne 23-18 Pad Sec.18-T6N-R65W  
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone  
 Ground Elevation: 4755.0  

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1419759.05	3221379.24	40.482913	-104.704147	

 Original Well Elev WELL @ 4767.0ft (Original Well Elev)



## BAYSWATER EXPLORATION & PRODUCTION



### LEGEND

- ◆ Milne 23-18, Wellbore #1, Plan #1 (12-31-12)R V0
- Wellbore #1
- Survey #1

## Final Survey Plot

Projected Final Survey -  
 7389'MD & 7305'TVD @ 863'VS  
 0.8 deg Inc 170.0 deg AZ

Project: SEC.18-T6N-R65W  
 Site: Milne 23-18 Pad Sec.18-T6N-R65W  
 Well: Milne 23-18  
 Plan: Wellbore #1



# **BAYSWATER EXPLORATION & PRODUCTION**

**SEC.18-T6N-R65W**

**Milne 23-18 Pad Sec.18-T6N-R65W**

**Milne 23-18**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**07 January, 2013**

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
	99.0	0.90	100.90	99.0	-0.1	0.8	-0.6	0.91	0.91	0.00
	185.0	0.20	294.50	185.0	-0.2	1.3	-1.0	1.27	-0.81	-193.49
	276.0	1.80	306.10	276.0	0.7	0.0	0.5	1.76	1.76	12.75
	367.0	3.20	323.10	366.9	3.6	-2.7	4.5	1.72	1.54	18.68
	457.0	5.30	328.60	456.6	9.1	-6.4	11.1	2.37	2.33	6.11
	555.0	6.30	327.00	554.1	17.5	-11.7	20.9	1.03	1.02	-1.63
	643.0	7.20	325.00	641.5	26.1	-17.4	31.1	1.06	1.02	-2.27
	737.0	9.40	318.20	734.5	36.6	-25.9	44.7	2.56	2.34	-7.23
	830.0	11.40	315.40	826.0	48.8	-37.5	61.4	2.22	2.15	-3.01
	924.0	13.40	314.00	917.8	63.0	-51.8	81.5	2.15	2.13	-1.49
	1,018.0	13.70	316.40	1,009.2	78.6	-67.3	103.5	0.68	0.32	2.55
	1,111.0	13.50	316.80	1,099.6	94.5	-82.4	125.4	0.24	-0.22	0.43

<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Milne 23-18
<b>Project:</b>	SEC.18-T6N-R65W	<b>TVD Reference:</b>	WELL @ 4767.0ft (Original Well Elev)
<b>Site:</b>	Milne 23-18 Pad Sec.18-T6N-R65W	<b>MD Reference:</b>	WELL @ 4767.0ft (Original Well Elev)
<b>Well:</b>	Milne 23-18	<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)	
1,205.0	13.50	315.60	1,191.0	110.4	-97.5	147.3	0.30	0.00	-1.28	
1,299.0	13.00	316.30	1,282.5	125.8	-112.5	168.8	0.56	-0.53	0.74	
1,392.0	12.50	313.60	1,373.2	140.3	-127.0	189.3	0.84	-0.54	-2.90	
1,486.0	12.20	313.10	1,465.0	154.1	-141.7	209.3	0.34	-0.32	-0.53	
1,580.0	12.00	314.10	1,556.9	167.7	-155.9	228.9	0.31	-0.21	1.06	
1,673.0	11.60	315.20	1,648.0	181.1	-169.5	247.8	0.49	-0.43	1.18	
1,767.0	10.80	314.10	1,740.2	193.9	-182.4	266.0	0.88	-0.85	-1.17	
1,861.0	10.20	319.10	1,832.6	206.4	-194.2	283.1	1.16	-0.64	5.32	
1,955.0	10.30	317.50	1,925.1	218.8	-205.3	299.9	0.32	0.11	-1.70	
2,048.0	9.80	320.30	2,016.7	231.1	-216.0	316.1	0.75	-0.54	3.01	
2,142.0	10.60	324.70	2,109.2	244.3	-226.1	332.7	1.19	0.85	4.68	
2,236.0	9.60	320.50	2,201.7	257.4	-236.1	349.1	1.32	-1.06	-4.47	
2,329.0	10.50	320.50	2,293.3	269.9	-246.4	365.4	0.97	0.97	0.00	
2,423.0	9.20	318.00	2,385.9	282.1	-256.9	381.4	1.46	-1.38	-2.66	
2,517.0	9.20	321.00	2,478.7	293.5	-266.7	396.5	0.51	0.00	3.19	
2,610.0	10.60	321.50	2,570.3	306.0	-276.7	412.4	1.51	1.51	0.54	
2,704.0	10.70	319.90	2,662.7	319.4	-287.7	429.8	0.33	0.11	-1.70	
2,798.0	10.30	321.00	2,755.1	332.6	-298.6	446.9	0.48	-0.43	1.17	
2,891.0	11.80	320.50	2,846.4	346.4	-309.9	464.7	1.62	1.61	-0.54	
2,985.0	11.90	319.90	2,938.4	361.3	-322.2	484.0	0.17	0.11	-0.64	
3,079.0	10.80	313.30	3,030.6	374.7	-334.9	502.5	1.81	-1.17	-7.02	
3,173.0	11.50	317.00	3,122.8	387.6	-347.7	520.6	1.06	0.74	3.94	
3,266.0	10.70	317.70	3,214.0	400.8	-359.8	538.5	0.87	-0.86	0.75	
3,360.0	10.90	322.90	3,306.4	414.3	-371.0	556.1	1.06	0.21	5.53	
3,454.0	10.40	321.90	3,398.8	428.1	-381.6	573.4	0.57	-0.53	-1.06	
3,547.0	11.00	322.10	3,490.1	441.7	-392.3	590.7	0.65	0.65	0.22	
3,641.0	11.50	318.90	3,582.3	455.8	-403.9	609.0	0.85	0.53	-3.40	
3,735.0	9.80	322.10	3,674.7	469.2	-415.0	626.4	1.91	-1.81	3.40	
3,828.0	12.10	322.60	3,766.0	483.2	-425.8	644.0	2.48	2.47	0.54	
3,922.0	13.60	320.80	3,857.7	499.6	-438.8	664.9	1.65	1.60	-1.91	
4,016.0	15.00	320.50	3,948.7	517.5	-453.5	688.1	1.49	1.49	-0.32	
4,109.0	15.70	318.70	4,038.4	536.3	-469.4	712.7	0.91	0.75	-1.94	
4,203.0	14.70	320.80	4,129.1	555.1	-485.4	737.4	1.21	-1.06	2.23	
4,297.0	13.20	326.10	4,220.4	573.2	-498.9	759.9	2.09	-1.60	5.64	
4,390.0	11.60	322.20	4,311.2	589.4	-510.6	779.8	1.94	-1.72	-4.19	
4,484.0	9.30	324.90	4,403.6	603.1	-520.7	796.8	2.50	-2.45	2.87	
4,578.0	8.80	319.80	4,496.5	614.8	-529.7	811.5	1.01	-0.53	-5.43	
4,672.0	7.90	310.80	4,589.5	624.5	-539.3	825.1	1.69	-0.96	-9.57	
4,765.0	5.50	318.20	4,681.8	632.0	-547.1	835.9	2.74	-2.58	7.96	
4,859.0	2.80	335.80	4,775.6	637.5	-551.0	842.6	3.14	-2.87	18.72	
4,953.0	1.10	301.80	4,869.5	640.1	-552.7	845.7	2.11	-1.81	-36.17	
5,046.0	1.20	308.20	4,962.5	641.1	-554.2	847.5	0.17	0.11	6.88	
5,083.2	1.03	312.65	4,999.7	641.6	-554.8	848.2	0.50	-0.44	11.97	
DRILL TARGET BHL 1325'FSL & 2573'FEL										
5,084.0	1.03	312.77	5,000.5	641.6	-554.8	848.2	0.50	-0.44	13.92	
PERMIT TARGET BHL 1325'FSL & 2648'FEL										
5,140.0	0.80	322.90	5,056.5	642.3	-555.4	849.1	0.50	-0.41	18.10	
5,234.0	0.30	267.70	5,150.5	642.8	-556.1	849.9	0.72	-0.53	-58.72	
5,327.0	0.40	244.70	5,243.5	642.6	-556.6	850.2	0.18	0.11	-24.73	
5,421.0	0.50	237.50	5,337.5	642.3	-557.2	850.3	0.12	0.11	-7.66	
5,515.0	0.20	267.20	5,431.5	642.0	-557.7	850.5	0.36	-0.32	31.60	
5,608.0	0.40	305.20	5,524.5	642.2	-558.2	850.9	0.29	0.22	40.86	
5,702.0	0.80	336.10	5,618.5	643.0	-558.7	851.8	0.53	0.43	32.87	
5,796.0	0.90	321.50	5,712.5	644.2	-559.4	853.2	0.25	0.11	-15.53	

<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Milne 23-18
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<b>Well:</b>	Milne 23-18	<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)	
5,890.0	1.10	319.10	5,806.4	645.4	-560.5	854.8	0.22	0.21	-2.55	
5,983.0	1.20	324.90	5,899.4	646.9	-561.6	856.7	0.16	0.11	6.24	
6,077.0	1.20	323.60	5,993.4	648.5	-562.8	858.7	0.03	0.00	-1.38	
6,171.0	1.10	305.70	6,087.4	649.8	-564.1	860.5	0.39	-0.11	-19.04	
6,264.0	0.90	310.10	6,180.4	650.8	-565.4	862.1	0.23	-0.22	4.73	
6,358.0	1.10	312.20	6,274.4	651.9	-566.6	863.7	0.22	0.21	2.23	
6,452.0	0.90	299.20	6,368.3	652.9	-567.9	865.3	0.32	-0.21	-13.83	
6,545.0	0.70	295.20	6,461.3	653.5	-569.1	866.5	0.22	-0.22	-4.30	
6,639.0	0.50	257.40	6,555.3	653.6	-570.0	867.2	0.46	-0.21	-40.21	
6,733.0	0.40	259.50	6,649.3	653.5	-570.7	867.6	0.11	-0.11	2.23	
6,826.0	0.30	193.70	6,742.3	653.2	-571.1	867.6	0.42	-0.11	-70.75	
6,898.8	0.38	185.08	6,815.1	652.8	-571.2	867.4	0.13	0.11	-11.85	
TARGET CIRCLE 1325'FSL & 2573'FEL										
6,920.0	0.40	183.20	6,836.3	652.6	-571.2	867.2	0.13	0.11	-8.85	
7,014.0	0.50	180.20	6,930.3	651.9	-571.2	866.7	0.11	0.11	-3.19	
7,107.0	0.50	150.70	7,023.3	651.1	-571.0	866.0	0.27	0.00	-31.72	
7,201.0	0.70	169.70	7,117.3	650.2	-570.7	865.1	0.30	0.21	20.21	
7,295.0	0.80	162.80	7,211.3	649.0	-570.4	864.0	0.14	0.11	-7.34	
7,389.0	0.80	170.00	7,305.3	647.7	-570.1	862.8	0.11	0.00	7.66	
HARDLINE 75'W OF DRILL TARGET BHL										

Checked By: _____	Approved By: _____	Date: _____
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