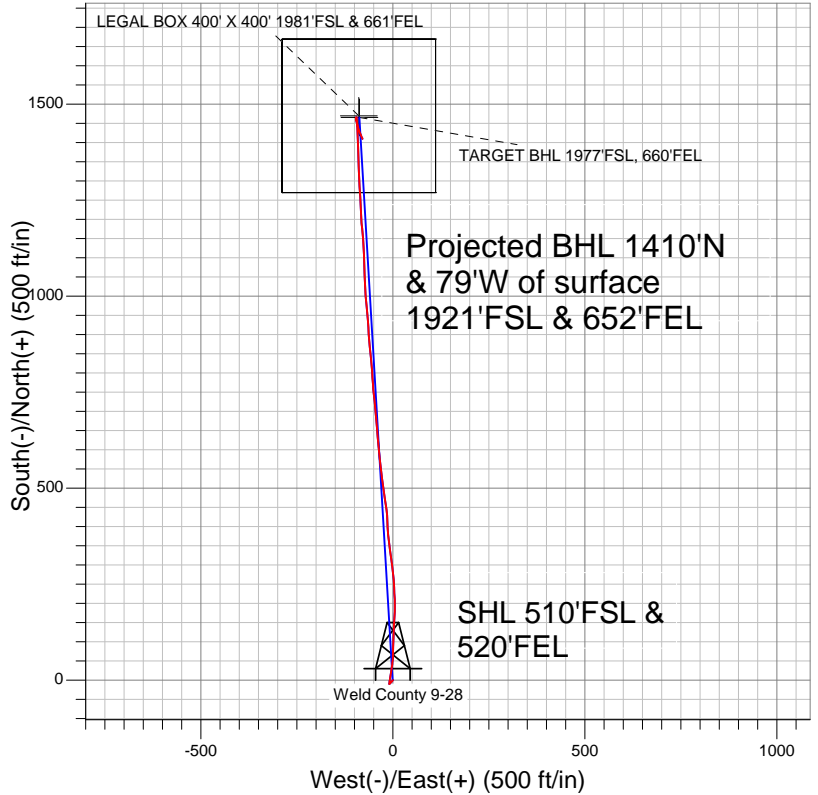


BAYSWATER EXPLORATION & PRODUCTION



LEGEND

- ✕ Weld County 9-28, Wellbore #1, Plan #1 (7-09-11) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
 7575'MD & 7325'TVD @ 1412'VS
 3.3 deg Inc 155.0 deg AZ

Project: SEC.28-T7N-R64W
 Site: Weld County 9-28 Pad Sec.28-T7N-R64W
 Well: Weld County 9-28
 Plan: Wellbore #1



BAYSWATER EXPLORATION & PRODUCTION

SEC.28-T7N-R64W

Weld County 9-28 Pad Sec.28-T7N-R64W

Weld County 9-28

Wellbore #1

Survey: Survey #1

Standard Survey Report

20 October, 2011

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Weld County 9-28
Project:	SEC.28-T7N-R64W	TVD Reference:	WELL @ 4881.0ft (Original Well Elev.)
Site:	Weld County 9-28 Pad Sec.28-T7N-R64W	MD Reference:	WELL @ 4881.0ft (Original Well Elev.)
Well:	Weld County 9-28	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.28-T7N-R64W, 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		Weld County 9-28 Pad Sec.28-T7N-R64W			
Site Position:		Northing:	1,440,367.03ft	Latitude:	40.538306
From:	Lat/Long	Easting:	3,264,692.57 ft	Longitude:	-104.547652
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.62 °

Well	Weld County 9-28					
Well Position	+N-S	0.0 ft	Northing:	1,440,367.02 ft	Latitude:	40.538306
	+E-W	0.0 ft	Easting:	3,264,692.57 ft	Longitude:	-104.547652
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,871.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/9/2011	8.75	67.20	53,220

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	5,900.0	0.0	0.0	356.60	

Survey Program	Date	10/20/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
802.0	7,575.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

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	
802.0	1.60	220.90	801.9	-8.5	-7.3	-8.0	0.20	0.20	0.00	
897.0	1.10	232.70	896.9	-10.0	-8.9	-9.5	0.60	-0.53	12.42	
991.0	2.40	17.50	990.8	-8.7	-9.1	-8.1	3.57	1.38	154.04	
1,086.0	4.40	7.00	1,085.7	-3.2	-8.0	-2.7	2.20	2.11	-11.05	
1,180.0	7.80	9.30	1,179.1	6.7	-6.5	7.1	3.63	3.62	2.45	
1,274.0	10.80	9.30	1,271.9	21.7	-4.1	21.9	3.19	3.19	0.00	
1,369.0	12.60	7.00	1,364.9	40.8	-1.4	40.8	1.96	1.89	-2.42	
1,463.0	14.60	3.30	1,456.3	62.8	0.5	62.6	2.32	2.13	-3.94	
1,557.0	16.40	0.10	1,546.8	87.9	1.3	87.6	2.12	1.91	-3.40	
1,652.0	18.40	2.60	1,637.5	116.3	2.0	115.9	2.25	2.11	2.63	
1,746.0	19.50	3.80	1,726.4	146.7	3.7	146.3	1.24	1.17	1.28	

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Weld County 9-28
Project:	SEC.28-T7N-R64W	TVD Reference:	WELL @ 4881.0ft (Original Well Elev.)
Site:	Weld County 9-28 Pad Sec.28-T7N-R64W	MD Reference:	WELL @ 4881.0ft (Original Well Elev.)
Well:	Weld County 9-28	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	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)
1,840.0	20.00	1.50	1,814.9	178.5	5.1	177.8	0.98	0.53	-2.45
1,932.0	20.10	358.20	1,901.3	210.0	5.0	209.3	1.23	0.11	-3.59
2,027.0	18.90	357.00	1,990.8	241.7	3.7	241.0	1.33	-1.26	-1.26
2,121.0	19.60	354.50	2,079.6	272.6	1.4	272.0	1.15	0.74	-2.66
2,216.0	20.00	352.90	2,169.0	304.6	-2.1	304.1	0.71	0.42	-1.68
2,310.0	19.40	351.00	2,257.5	335.9	-6.5	335.7	0.93	-0.64	-2.02
2,405.0	18.60	353.60	2,347.3	366.6	-10.7	366.6	1.23	-0.84	2.74
2,499.0	20.10	357.70	2,436.0	397.6	-13.0	397.7	2.15	1.60	4.36
2,593.0	19.60	355.90	2,524.4	429.5	-14.8	429.6	0.84	-0.53	-1.91
2,688.0	19.30	351.70	2,614.0	460.9	-18.2	461.2	1.51	-0.32	-4.42
2,783.0	20.70	350.60	2,703.3	493.0	-23.2	493.5	1.53	1.47	-1.16
2,877.0	21.10	352.20	2,791.1	526.2	-28.2	526.9	0.74	0.43	1.70
2,971.0	21.30	354.30	2,878.7	559.9	-32.2	560.8	0.84	0.21	2.23
3,066.0	20.20	355.40	2,967.6	593.4	-35.2	594.5	1.23	-1.16	1.16
3,160.0	20.90	354.50	3,055.6	626.3	-38.1	627.5	0.82	0.74	-0.96
3,254.0	21.30	355.20	3,143.3	660.0	-41.2	661.3	0.50	0.43	0.74
3,348.0	20.10	355.00	3,231.2	693.1	-44.0	694.5	1.28	-1.28	-0.21
3,443.0	20.80	353.80	3,320.2	726.1	-47.3	727.7	0.86	0.74	-1.26
3,537.0	19.90	354.70	3,408.3	758.7	-50.5	760.3	1.01	-0.96	0.96
3,632.0	17.20	357.50	3,498.4	788.8	-52.7	790.5	2.99	-2.84	2.95
3,726.0	16.50	355.20	3,588.4	816.0	-54.4	817.8	1.03	-0.74	-2.45
3,820.0	16.50	352.80	3,678.5	842.5	-57.2	844.4	0.73	0.00	-2.55
3,914.0	17.70	354.90	3,768.3	870.0	-60.1	872.0	1.44	1.28	2.23
4,008.0	21.30	357.00	3,856.9	901.3	-62.3	903.4	3.90	3.83	2.23
4,103.0	22.60	355.40	3,945.0	936.7	-64.6	938.9	1.51	1.37	-1.68
4,197.0	24.00	354.90	4,031.4	973.8	-67.8	976.1	1.50	1.49	-0.53
4,292.0	24.70	354.90	4,117.9	1,012.8	-71.3	1,015.2	0.74	0.74	0.00
4,387.0	23.10	359.40	4,204.8	1,051.2	-73.2	1,053.7	2.55	-1.68	4.74
4,481.0	21.80	358.90	4,291.7	1,087.1	-73.8	1,089.5	1.40	-1.38	-0.53
4,576.0	21.60	354.90	4,379.9	1,122.1	-75.7	1,124.7	1.57	-0.21	-4.21
4,671.0	21.20	355.70	4,468.4	1,156.7	-78.5	1,159.3	0.52	-0.42	0.84
4,765.0	20.70	355.60	4,556.2	1,190.2	-81.0	1,192.9	0.53	-0.53	-0.11
4,859.0	22.10	357.90	4,643.7	1,224.4	-83.0	1,227.2	1.74	1.49	2.45
4,953.0	22.00	357.00	4,730.8	1,259.7	-84.5	1,262.5	0.37	-0.11	-0.96
5,046.0	19.20	356.30	4,817.9	1,292.4	-86.4	1,295.2	3.02	-3.01	-0.75
5,139.0	18.30	357.30	4,905.9	1,322.2	-88.1	1,325.1	1.03	-0.97	1.08
5,234.0	15.70	358.60	4,996.8	1,350.0	-89.1	1,352.9	2.77	-2.74	1.37
5,328.0	14.40	358.40	5,087.5	1,374.4	-89.8	1,377.3	1.38	-1.38	-0.21
5,422.0	13.20	358.90	5,178.8	1,396.8	-90.3	1,399.7	1.28	-1.28	0.53
5,516.0	11.10	357.10	5,270.7	1,416.5	-91.0	1,419.4	2.27	-2.23	-1.91
5,610.0	7.80	354.00	5,363.4	1,431.9	-92.1	1,434.9	3.55	-3.51	-3.30
5,704.0	5.90	1.00	5,456.8	1,443.1	-92.7	1,446.1	2.20	-2.02	7.45
5,799.0	4.60	359.40	5,551.4	1,451.8	-92.6	1,454.7	1.38	-1.37	-1.68
5,924.0	3.30	352.20	5,676.1	1,460.4	-93.2	1,463.3	1.11	-1.04	-5.76
5,988.0	2.50	350.50	5,740.0	1,463.6	-93.6	1,466.5	1.26	-1.25	-2.66
6,081.0	0.80	323.80	5,832.9	1,466.1	-94.4	1,469.1	1.96	-1.83	-28.71
6,148.0	0.31	261.80	5,899.9	1,466.4	-94.8	1,469.5	1.06	-0.73	-92.51
TARGET BHL 1977'FSL, 660'FEL									
6,175.0	0.40	216.50	5,926.9	1,466.4	-94.9	1,469.4	1.06	0.34	-167.92
6,363.0	0.80	202.60	6,114.9	1,464.6	-95.8	1,467.7	0.22	0.21	-7.39
6,552.0	1.30	166.30	6,303.9	1,461.3	-95.8	1,464.4	0.43	0.26	-19.21
6,740.0	1.00	176.10	6,491.8	1,457.6	-95.2	1,460.7	0.19	-0.16	5.21
6,928.0	2.70	158.90	6,679.7	1,451.8	-93.5	1,454.8	0.94	0.90	-9.15

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Survey									
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7,077.9	4.29	166.23	6,829.4	1,443.1	-90.9	1,445.9	1.10	1.06	4.89
LEGAL BOX 400' X 400' 1981'FSL & 661'FEL									
7,116.0	4.70	167.30	6,867.3	1,440.2	-90.2	1,443.0	1.10	1.08	2.80
7,304.0	4.50	156.20	7,054.7	1,425.9	-85.6	1,428.5	0.48	-0.11	-5.90
7,492.0	3.30	158.90	7,242.3	1,414.1	-80.6	1,416.4	0.65	-0.64	1.44
7,530.0	3.30	155.00	7,280.2	1,412.1	-79.8	1,414.4	0.59	0.00	-10.26
7,575.0	3.30	155.00	7,325.2	1,409.8	-78.7	1,412.0	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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