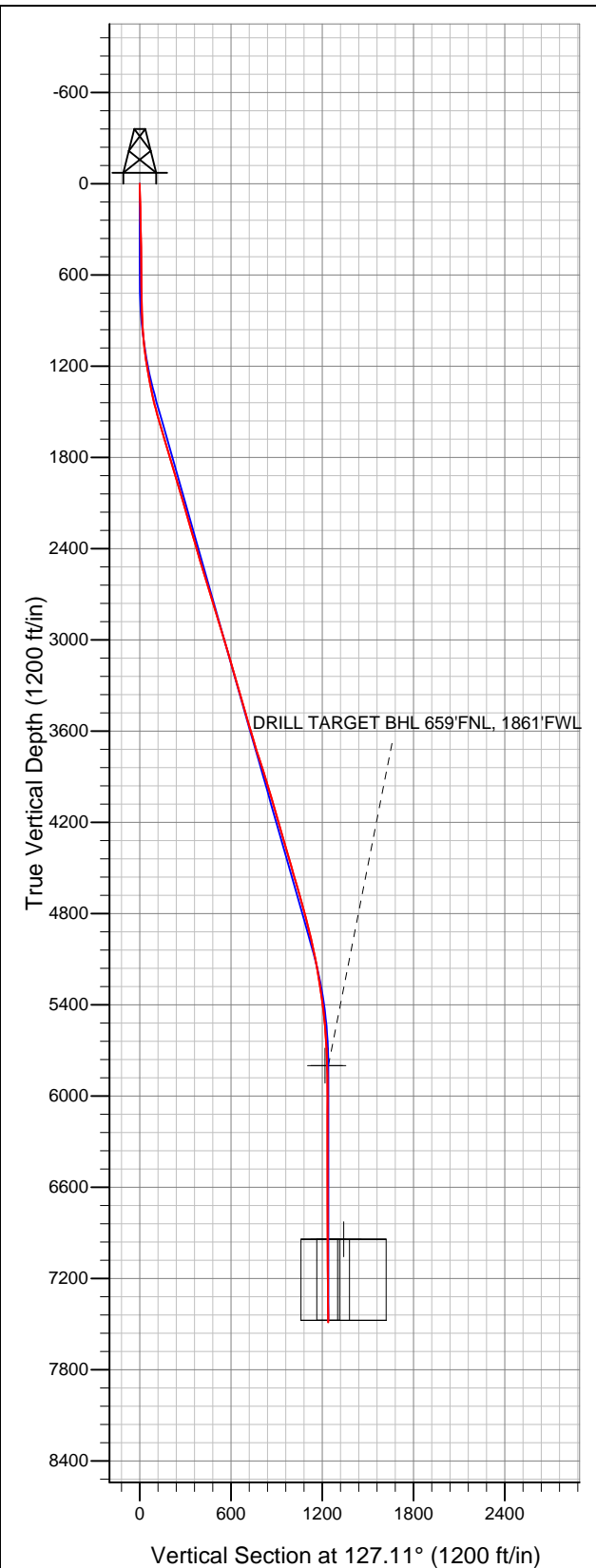




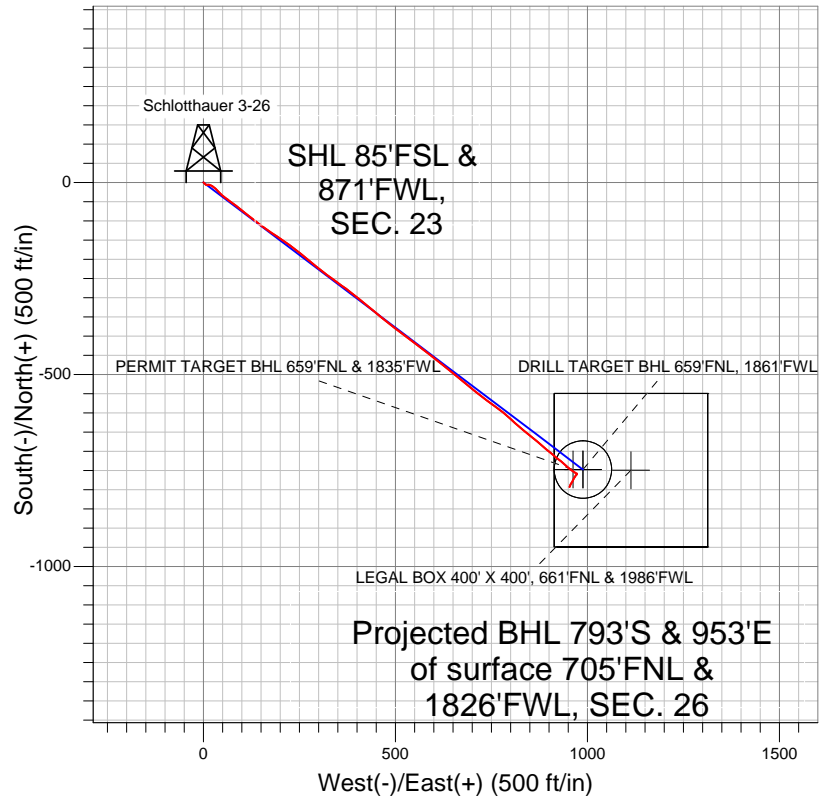
# Well Name: Schlotthauer 3-26

Surface Location: Schlotthauer 13-23 Pad Sec.23-T7N-R67W  
North American Datum 1983 US State Plane 1983Colorado Northern Zone  
Ground Elevation: 4966.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1444798.07	3175955.28	40.552646	-104.866796	
		Original Well Elev	WELL @ 4977.0ft (Original Well Elev)			



## BAYSWATER EXPLORATION & PRODUCTION



### LEGEND

- Survey #1
- Schlotthauer 3-26, Wellbore #1, Plan #3 (3-19-12) R V0
- Wellbore #1

## Final Survey Plot

Projected Final Survey -  
7653'MD & 7489'TVD @ 1239'VS  
2.20 deg Inc 204.80 deg AZ

Project: SEC.23-T7N-R67W  
Site: Schlotthauer 13-23 Pad Sec.23-T7N-R67W  
Well: Schlotthauer 3-26  
Plan: Wellbore #1



# **BAYSWATER EXPLORATION & PRODUCTION**

**SEC.23-T7N-R67W**

**Schlotthauer 13-23 Pad Sec.23-T7N-R67W**

**Schlotthauer 3-26**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**26 March, 2012**

<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Schlotthauer 3-26
<b>Project:</b>	SEC.23-T7N-R67W	<b>TVD Reference:</b>	WELL @ 4977.0ft (Original Well Elev)
<b>Site:</b>	Schlotthauer 13-23 Pad Sec.23-T7N-R67W	<b>MD Reference:</b>	WELL @ 4977.0ft (Original Well Elev)
<b>Well:</b>	Schlotthauer 3-26	<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.23-T7N-R67W, Weld County, CO		
<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

Site		Schlotthauer 13-23 Pad Sec.23-T7N-R67W			
Site Position:		Northing:	1,444,798.08ft	Latitude:	40.552646
From:	Lat/Long	Easting:	3,175,955.28ft	Longitude:	-104.866796
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.41 °

Well		Schlotthauer 3-26				
Well Position	+N-S	0.0 ft	Northing:	1,444,798.07 ft	Latitude:	40.552646
	+E-W	0.0 ft	Easting:	3,175,955.28 ft	Longitude:	-104.866796
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,966.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/19/2012	8.83	67.13	53,119

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 (°)	
	0.0	0.0	0.0	127.11	

Survey Program		Date		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
67.0	7,653.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey	Wellbore Data									
	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)
Main Wellbore	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	67.0	1.50	132.80	67.0	-0.6	0.6	0.9	2.24	2.24	0.00
	157.0	1.10	136.60	157.0	-2.0	2.1	2.9	0.45	-0.44	4.22
	247.0	1.10	134.40	247.0	-3.3	3.3	4.6	0.05	0.00	-2.44
	339.0	1.10	129.60	338.9	-4.4	4.6	6.4	0.10	0.00	-5.22
	431.0	1.10	138.00	430.9	-5.7	5.9	8.1	0.18	0.00	9.13
	522.0	0.90	133.10	521.9	-6.8	7.0	9.7	0.24	-0.22	-5.38
	614.0	0.80	90.10	613.9	-7.3	8.2	10.9	0.68	-0.11	-46.74
	682.0	0.90	55.90	681.9	-7.0	9.1	11.5	0.75	0.15	-50.29
	741.0	0.90	42.80	740.9	-6.4	9.8	11.7	0.35	0.00	-22.20
	835.0	2.30	91.50	834.8	-5.9	12.2	13.3	1.95	1.49	51.81
	929.0	3.50	109.00	928.7	-6.9	16.8	17.5	1.57	1.28	18.62

<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Schlotthauer 3-26
<b>Project:</b>	SEC.23-T7N-R67W	<b>TVD Reference:</b>	WELL @ 4977.0ft (Original Well Elev)
<b>Site:</b>	Schlotthauer 13-23 Pad Sec.23-T7N-R67W	<b>MD Reference:</b>	WELL @ 4977.0ft (Original Well Elev)
<b>Well:</b>	Schlotthauer 3-26	<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)
1,022.0	5.30	118.60	1,021.4	-9.9	23.2	24.5	2.08	1.94	10.32
1,116.0	7.20	135.30	1,114.9	-16.1	31.2	34.6	2.78	2.02	17.77
1,210.0	9.80	135.10	1,207.9	-26.0	41.0	48.4	2.77	2.77	-0.21
1,303.0	10.20	130.10	1,299.4	-36.9	52.9	64.4	1.03	0.43	-5.38
1,397.0	12.50	125.60	1,391.6	-48.2	67.5	82.9	2.62	2.45	-4.79
1,491.0	14.50	126.40	1,483.0	-61.1	85.2	104.8	2.14	2.13	0.85
1,584.0	16.40	130.30	1,572.6	-76.5	104.6	129.6	2.33	2.04	4.19
1,678.0	16.70	128.20	1,662.7	-93.4	125.4	156.3	0.71	0.32	-2.23
1,772.0	17.00	125.80	1,752.7	-109.8	147.1	183.6	0.81	0.32	-2.55
1,865.0	16.70	124.50	1,841.7	-125.3	169.2	210.5	0.52	-0.32	-1.40
1,959.0	16.80	124.20	1,931.7	-140.6	191.5	237.6	0.14	0.11	-0.32
2,053.0	15.90	124.60	2,021.9	-155.6	213.4	264.0	0.96	-0.96	0.43
2,146.0	16.00	128.30	2,111.3	-170.7	233.9	289.6	1.10	0.11	3.98
2,240.0	16.00	128.60	2,201.7	-186.9	254.2	315.5	0.09	0.00	0.32
2,334.0	16.20	129.30	2,292.0	-203.2	274.5	341.5	0.30	0.21	0.74
2,428.0	16.50	129.60	2,382.2	-220.1	294.9	368.0	0.33	0.32	0.32
2,521.0	15.70	126.70	2,471.6	-236.0	315.2	393.7	1.22	-0.86	-3.12
2,615.0	17.50	127.40	2,561.6	-252.2	336.6	420.6	1.93	1.91	0.74
2,709.0	17.90	125.00	2,651.2	-269.1	359.7	449.2	0.89	0.43	-2.55
2,802.0	17.10	127.70	2,739.9	-285.6	382.2	477.1	1.23	-0.86	2.90
2,896.0	16.20	128.90	2,830.0	-302.3	403.3	504.0	1.02	-0.96	1.28
2,990.0	16.70	129.20	2,920.1	-319.1	424.0	530.6	0.54	0.53	0.32
3,083.0	16.60	129.60	3,009.2	-336.0	444.6	557.3	0.16	-0.11	0.43
3,177.0	16.40	129.30	3,099.3	-352.9	465.2	583.9	0.23	-0.21	-0.32
3,271.0	16.20	129.40	3,189.6	-369.7	485.6	610.3	0.21	-0.21	0.11
3,365.0	16.20	127.60	3,279.8	-386.0	506.1	636.5	0.53	0.00	-1.91
3,458.0	16.40	125.10	3,369.1	-401.5	527.1	662.6	0.78	0.22	-2.69
3,552.0	15.80	127.90	3,459.4	-417.0	548.1	688.7	1.04	-0.64	2.98
3,646.0	16.40	127.50	3,549.7	-432.9	568.7	714.7	0.65	0.64	-0.43
3,739.0	16.50	127.50	3,638.9	-448.9	589.6	741.1	0.11	0.11	0.00
3,833.0	16.90	129.00	3,728.9	-465.7	610.8	768.1	0.63	0.43	1.60
3,927.0	18.00	127.90	3,818.6	-483.2	632.9	796.3	1.22	1.17	-1.17
4,020.0	18.10	130.20	3,907.0	-501.3	655.3	825.0	0.77	0.11	2.47
4,114.0	16.60	129.10	3,996.8	-519.2	676.9	853.0	1.63	-1.60	-1.17
4,208.0	16.00	130.00	4,087.0	-536.0	697.2	879.4	0.69	-0.64	0.96
4,301.0	16.00	126.90	4,176.4	-551.9	717.3	905.0	0.92	0.00	-3.33
4,395.0	15.90	126.90	4,266.8	-567.5	737.9	930.9	0.11	-0.11	0.00
4,489.0	16.50	125.90	4,357.0	-583.0	759.0	957.1	0.70	0.64	-1.06
4,582.0	16.70	129.10	4,446.2	-599.2	780.1	983.6	1.01	0.22	3.44
4,676.0	15.40	131.70	4,536.5	-616.0	799.9	1,009.6	1.58	-1.38	2.77
4,770.0	16.00	133.10	4,627.0	-633.2	818.7	1,034.9	0.75	0.64	1.49
4,863.0	15.70	128.30	4,716.5	-649.7	837.9	1,060.2	1.45	-0.32	-5.16
4,957.0	15.40	128.70	4,807.0	-665.4	857.6	1,085.4	0.34	-0.32	0.43
5,051.0	14.40	130.60	4,897.9	-680.8	876.3	1,109.6	1.18	-1.06	2.02
5,145.0	12.60	130.10	4,989.2	-695.0	893.0	1,131.5	1.92	-1.91	-0.53
5,238.0	11.00	130.00	5,080.3	-707.3	907.5	1,150.5	1.72	-1.72	-0.11
5,332.0	9.70	129.10	5,172.8	-718.0	920.5	1,167.3	1.39	-1.38	-0.96
5,426.0	8.90	128.00	5,265.5	-727.5	932.4	1,182.5	0.87	-0.85	-1.17
5,520.0	8.20	133.10	5,358.5	-736.6	943.0	1,196.5	1.10	-0.74	5.43
5,613.0	6.50	130.80	5,450.7	-744.5	951.9	1,208.3	1.85	-1.83	-2.47
5,707.0	5.20	125.70	5,544.2	-750.5	959.4	1,217.9	1.49	-1.38	-5.43
5,800.0	3.80	121.50	5,636.9	-754.6	965.4	1,225.2	1.55	-1.51	-4.52
5,894.0	1.90	122.50	5,730.8	-757.0	969.4	1,229.8	2.02	-2.02	1.06

<b>Company:</b>	BAYSWATER EXPLORATION & PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Schlotthauer 3-26
<b>Project:</b>	SEC.23-T7N-R67W	<b>TVD Reference:</b>	WELL @ 4977.0ft (Original Well Elev)
<b>Site:</b>	Schlotthauer 13-23 Pad Sec.23-T7N-R67W	<b>MD Reference:</b>	WELL @ 4977.0ft (Original Well Elev)
<b>Well:</b>	Schlotthauer 3-26	<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)
5,962.9	1.23	112.80	5,799.7	-757.9	971.0	1,231.7	1.04	-0.98	-14.08
<b>PERMIT TARGET BHL 659'FNL &amp; 1835'FWL</b>									
5,963.5	1.22	112.67	5,800.3	-757.9	971.0	1,231.7	1.04	-0.94	-21.77
<b>DRILL TARGET BHL 659'FNL, 1861'FWL</b>									
5,988.0	1.00	106.10	5,824.8	-758.1	971.5	1,232.1	1.04	-0.91	-26.80
6,081.0	0.70	133.00	5,917.8	-758.7	972.7	1,233.5	0.53	-0.32	28.92
6,175.0	0.30	226.70	6,011.8	-759.3	972.9	1,234.0	0.83	-0.43	99.68
6,269.0	0.80	222.50	6,105.8	-759.9	972.3	1,233.9	0.53	0.53	-4.47
6,363.0	0.20	233.10	6,199.8	-760.5	971.7	1,233.8	0.64	-0.64	11.28
6,456.0	0.90	224.10	6,292.7	-761.1	971.1	1,233.6	0.76	0.75	-9.68
6,550.0	1.30	214.80	6,386.7	-762.5	970.0	1,233.6	0.46	0.43	-9.89
6,644.0	1.20	213.30	6,480.7	-764.2	968.8	1,233.7	0.11	-0.11	-1.60
6,737.0	1.60	215.20	6,573.7	-766.1	967.5	1,233.8	0.43	0.43	2.04
6,831.0	0.70	201.20	6,667.7	-767.7	966.6	1,234.0	1.00	-0.96	-14.89
6,925.0	0.80	219.60	6,761.7	-768.7	965.9	1,234.1	0.28	0.11	19.57
7,018.0	1.50	210.80	6,854.6	-770.3	964.9	1,234.2	0.77	0.75	-9.46
7,102.8	1.68	208.15	6,939.4	-772.3	963.8	1,234.6	0.23	0.21	-3.12
<b>LEGAL BOX 400' X 400', 661'FNL &amp; 1986'FWL</b>									
7,104.5	1.68	208.11	6,941.1	-772.4	963.7	1,234.6	0.23	0.21	-2.78
<b>TARGET CIRCLE 659'FNL &amp; 1861'FWL</b>									
7,112.0	1.70	207.90	6,948.6	-772.6	963.6	1,234.6	0.23	0.21	-2.75
7,206.0	2.90	210.80	7,042.5	-775.9	961.8	1,235.1	1.28	1.28	3.09
7,299.0	2.80	205.00	7,135.4	-779.9	959.6	1,235.8	0.33	-0.11	-6.24
7,393.0	2.30	207.40	7,229.3	-783.7	957.8	1,236.6	0.54	-0.53	2.55
7,487.0	2.50	206.30	7,323.2	-787.2	956.0	1,237.3	0.22	0.21	-1.17
7,611.0	2.20	204.80	7,447.1	-791.8	953.8	1,238.3	0.25	-0.24	-1.21
7,653.0	2.20	204.80	7,489.1	-793.3	953.1	1,238.7	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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