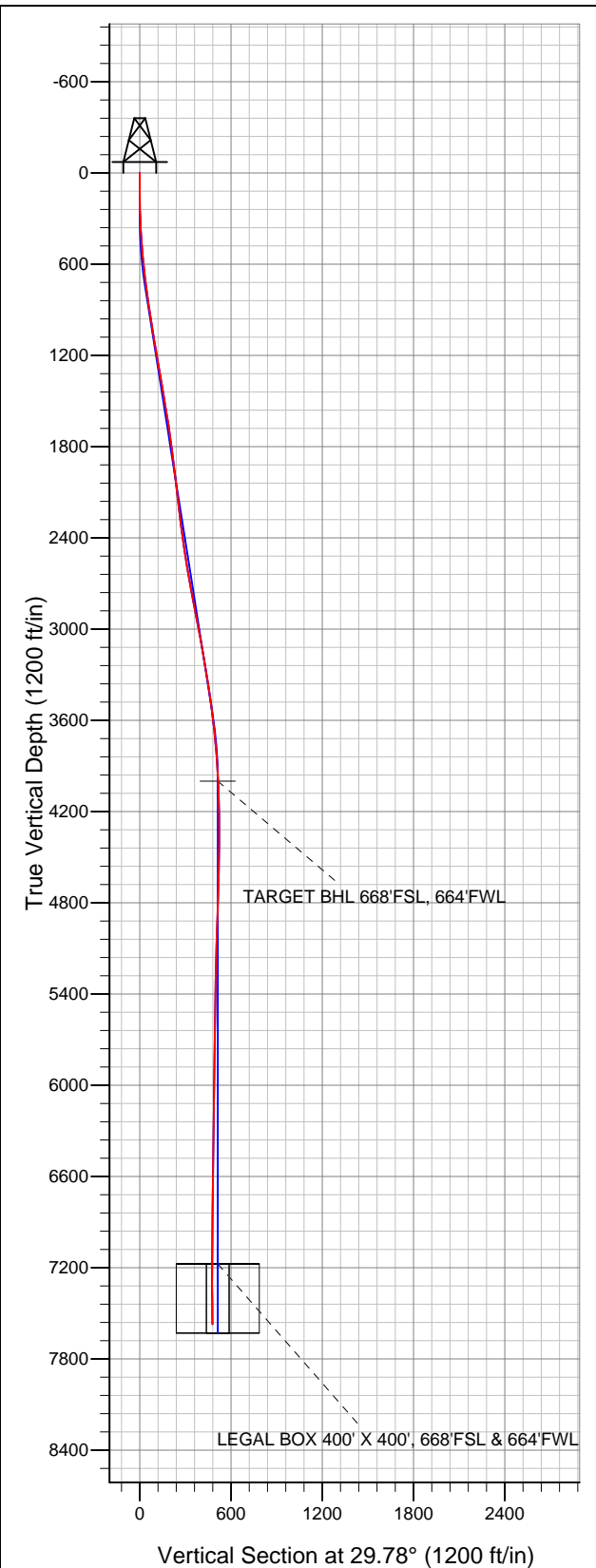


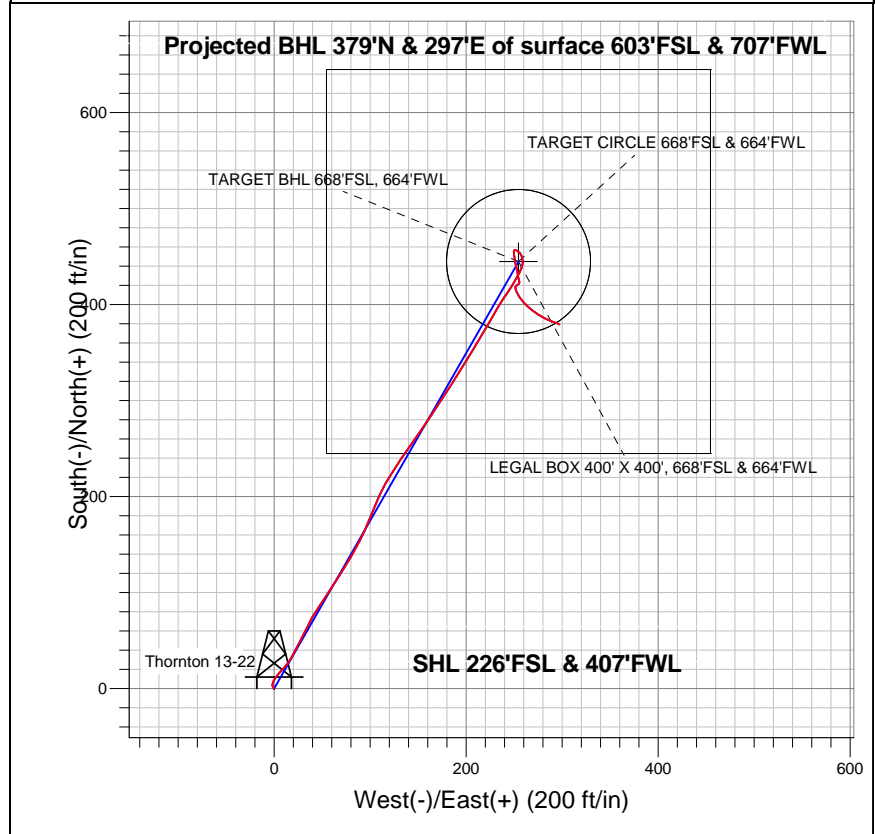


Well Name: Thornton 13-22

Surface Location: Thornton 13 Pad Sec.22-T7N-R66W
North American Datum 1983 US State Plane 1983 Colorado Northern Zone
Ground Elevation: 4934.0
+N/-S 0.0 +E/-W 0.0 Northing 1445441.96 Easting 3202314.50 Latitude 40.553858 Longitude -104.771923 Slot
Original Well Elev. WELL @ 4950.0ft (Original Well Elev.)



BAYSWATER EXPLORATION & PRODUCTION



LEGEND

- Thornton 13-22, Wellbore #1, Plan #2 (1-30-13) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
7613'MD & 7572'TVD @ 379'VS
2.6 deg Inc 118.5 deg AZ

Project: SEC.22-T7N-R66W
Site: Thornton 13 Pad Sec.22-T7N-R66W
Well: Thornton 13-22
Plan: Wellbore #1



BAYSWATER EXPLORATION & PRODUCTION

SEC.22-T7N-R66W

Thornton 13 Pad Sec.22-T7N-R66W

Thornton 13-22

Wellbore #1

Survey: Survey #1

Standard Survey Report

15 April, 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)
Main Survey	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	125.0	0.90	319.50	125.0	0.7	-0.6	0.3	0.72	0.72	0.00
	241.0	1.40	339.30	241.0	2.8	-1.7	1.5	0.54	0.43	17.07
	362.0	3.40	25.70	361.9	7.4	-0.7	6.1	2.18	1.65	38.35
	484.0	4.70	38.00	483.6	14.6	3.9	14.6	1.28	1.07	10.08
	605.0	5.50	43.70	604.1	22.7	11.0	25.2	0.78	0.66	4.71
	728.0	7.10	27.50	726.3	33.7	18.6	38.5	1.93	1.30	-13.17
	853.0	8.30	28.40	850.2	48.5	26.5	55.2	0.96	0.96	0.72
	983.0	9.10	26.10	978.7	66.0	35.4	74.8	0.67	0.62	-1.77
	1,108.0	9.50	33.50	1,102.1	83.4	45.5	95.0	1.01	0.32	5.92
	1,233.0	9.70	33.50	1,225.3	100.8	57.0	115.8	0.16	0.16	0.00
	1,358.0	9.80	32.00	1,348.5	118.6	68.4	136.9	0.22	0.08	-1.20

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Thornton 13-22
Project:	SEC.22-T7N-R66W	TVD Reference:	WELL @ 4950.0ft (Original Well Elev.)
Site:	Thornton 13 Pad Sec.22-T7N-R66W	MD Reference:	WELL @ 4950.0ft (Original Well Elev.)
Well:	Thornton 13-22	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)
1,483.0	9.40	31.70	1,471.8	136.3	79.4	157.8	0.32	-0.32	-0.24
1,607.0	9.30	26.60	1,594.1	153.9	89.2	177.9	0.67	-0.08	-4.11
1,732.0	8.10	22.40	1,717.7	171.1	97.1	196.7	1.09	-0.96	-3.36
1,857.0	7.60	22.00	1,841.5	186.9	103.6	213.6	0.40	-0.40	-0.32
1,982.0	6.70	24.00	1,965.5	201.2	109.6	229.1	0.75	-0.72	1.60
2,107.0	6.50	31.30	2,089.7	213.9	116.3	243.4	0.69	-0.16	5.84
2,232.0	6.60	31.70	2,213.9	226.1	123.7	257.7	0.09	0.08	0.32
2,357.0	7.50	34.00	2,338.0	239.0	132.1	273.0	0.75	0.72	1.84
2,482.0	8.60	34.90	2,461.7	253.4	142.0	290.4	0.89	0.88	0.72
2,607.0	9.10	35.70	2,585.2	269.1	153.1	309.6	0.41	0.40	0.64
2,732.0	11.20	32.80	2,708.3	287.3	165.4	331.5	1.73	1.68	-2.32
2,857.0	10.60	32.80	2,831.0	307.2	178.2	355.1	0.48	-0.48	0.00
2,982.0	10.80	33.10	2,953.8	326.7	190.9	378.3	0.17	0.16	0.24
3,107.0	10.30	31.30	3,076.7	346.0	203.1	401.2	0.48	-0.40	-1.44
3,231.0	9.00	29.90	3,199.0	363.9	213.7	422.0	1.07	-1.05	-1.13
3,356.0	9.80	30.30	3,322.3	381.6	223.9	442.4	0.64	0.64	0.32
3,481.0	8.00	31.00	3,445.8	398.2	233.7	461.7	1.44	-1.44	0.56
3,606.0	6.90	35.40	3,569.7	411.8	242.6	477.9	0.99	-0.88	3.52
3,731.0	5.90	29.80	3,693.9	423.5	250.1	491.8	0.94	-0.80	-4.48
3,856.0	5.00	28.00	3,818.4	433.9	255.9	503.6	0.73	-0.72	-1.44
3,981.0	3.70	6.00	3,943.0	442.7	258.9	512.8	1.67	-1.04	-17.60
4,038.0	3.17	356.63	4,000.0	446.1	259.0	515.8	1.35	-0.92	-16.44
TARGET BHL 668'FSL, 664'FWL									
4,106.0	2.70	341.20	4,067.8	449.5	258.3	518.4	1.35	-0.70	-22.69
4,231.0	2.30	314.50	4,192.7	454.0	255.6	521.0	0.97	-0.32	-21.36
4,356.0	1.30	297.70	4,317.7	456.4	252.5	521.6	0.90	-0.80	-13.44
4,481.0	0.70	255.50	4,442.6	456.9	250.5	521.0	0.73	-0.48	-33.76
4,606.0	1.10	184.10	4,567.6	455.5	249.7	519.4	0.88	0.32	-57.12
4,730.0	1.80	174.10	4,691.6	452.4	249.8	516.7	0.60	0.56	-8.06
4,855.0	2.20	171.40	4,816.5	448.1	250.4	513.3	0.33	0.32	-2.16
4,980.0	2.40	169.00	4,941.4	443.1	251.3	509.4	0.18	0.16	-1.92
5,105.0	2.50	166.30	5,066.3	437.9	252.4	505.4	0.12	0.08	-2.16
5,230.0	2.10	171.30	5,191.2	433.0	253.4	501.7	0.36	-0.32	4.00
5,355.0	1.80	163.70	5,316.1	428.8	254.3	498.5	0.32	-0.24	-6.08
5,480.0	1.30	168.60	5,441.1	425.6	255.1	496.1	0.41	-0.40	3.92
5,605.0	0.90	180.90	5,566.1	423.2	255.4	494.2	0.37	-0.32	9.84
5,730.0	0.60	218.90	5,691.0	421.7	255.0	492.6	0.45	-0.24	30.40
5,855.0	1.00	240.50	5,816.0	420.7	253.6	491.1	0.40	0.32	17.28
5,980.0	0.80	225.90	5,941.0	419.5	252.0	489.3	0.24	-0.16	-11.68
6,105.0	0.80	187.80	6,066.0	418.0	251.3	487.6	0.42	0.00	-30.48
6,230.0	1.00	166.00	6,191.0	416.1	251.4	486.0	0.31	0.16	-17.44
6,354.0	1.10	153.50	6,315.0	414.0	252.2	484.6	0.20	0.08	-10.08
6,479.0	1.50	152.60	6,439.9	411.5	253.5	483.0	0.32	0.32	-0.72
6,604.0	1.50	148.20	6,564.9	408.6	255.1	481.4	0.09	0.00	-3.52
6,729.0	1.70	145.40	6,689.8	405.7	257.0	479.8	0.17	0.16	-2.24
6,854.0	2.20	138.90	6,814.8	402.4	259.7	478.2	0.44	0.40	-5.20
6,979.0	2.60	131.50	6,939.7	398.7	263.4	476.9	0.40	0.32	-5.92
7,104.0	2.80	129.50	7,064.5	394.9	267.8	475.8	0.18	0.16	-1.60
7,212.1	3.40	125.50	7,172.4	391.3	272.5	475.0	0.59	0.56	-3.70
LEGAL BOX 400' X 400', 668'FSL & 664'FWL - TARGET CIRCLE 668'FSL & 664'FWL									
7,229.0	3.50	125.00	7,189.3	390.8	273.3	474.9	0.59	0.57	-2.96
7,354.0	4.90	117.50	7,314.0	386.1	281.2	474.8	1.20	1.12	-6.00
7,479.0	4.00	108.00	7,438.6	382.3	290.1	475.9	0.93	-0.72	-7.60

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Thornton 13-22
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Site:	Thornton 13 Pad Sec.22-T7N-R66W	MD Reference:	WELL @ 4950.0ft (Original Well Elev.)
Well:	Thornton 13-22	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)
7,613.0	2.60	118.50	7,572.4	379.4	297.2	476.9	1.13	-1.04	7.84

Checked By: _____	Approved By: _____	Date: _____
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