

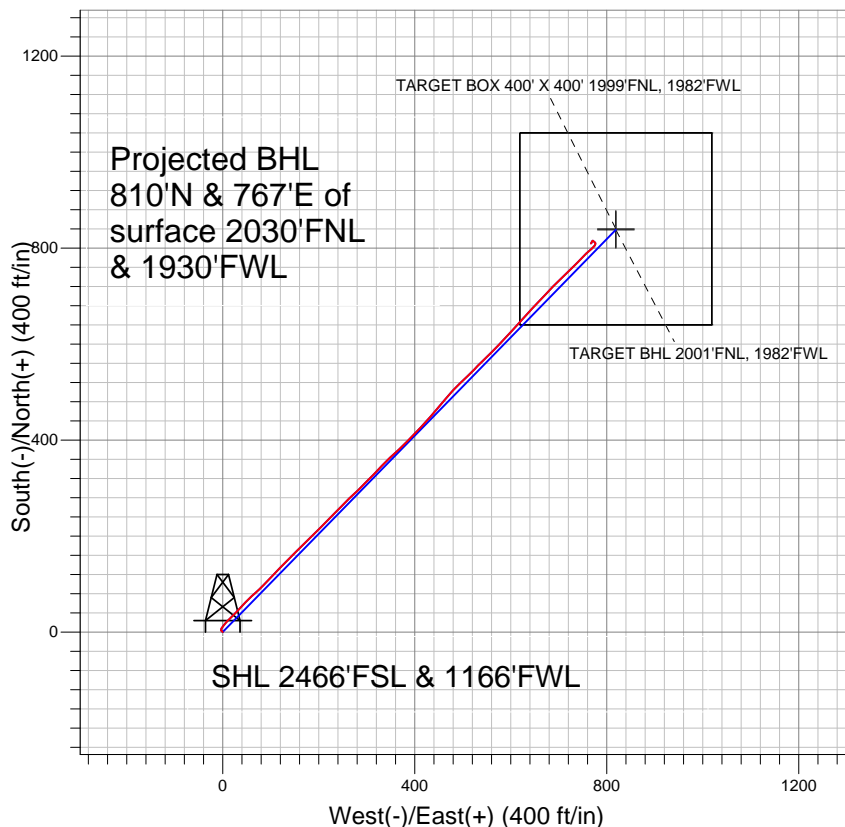
Well Name: **Great Western 25-22**

Surface Location: Great Western 25-22 Pad Sec.25-T6N-R67W
North American Datum 1983 US State Plane 1983 Colorado Northern Zone

Ground Elevation: 4751.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1410165.23	3181644.66	40° 27' 26.892 N	104° 50' 50.064 W	
Original Well Elev WELL @ 4764.0ft (Original Well Elev)						

Great Western

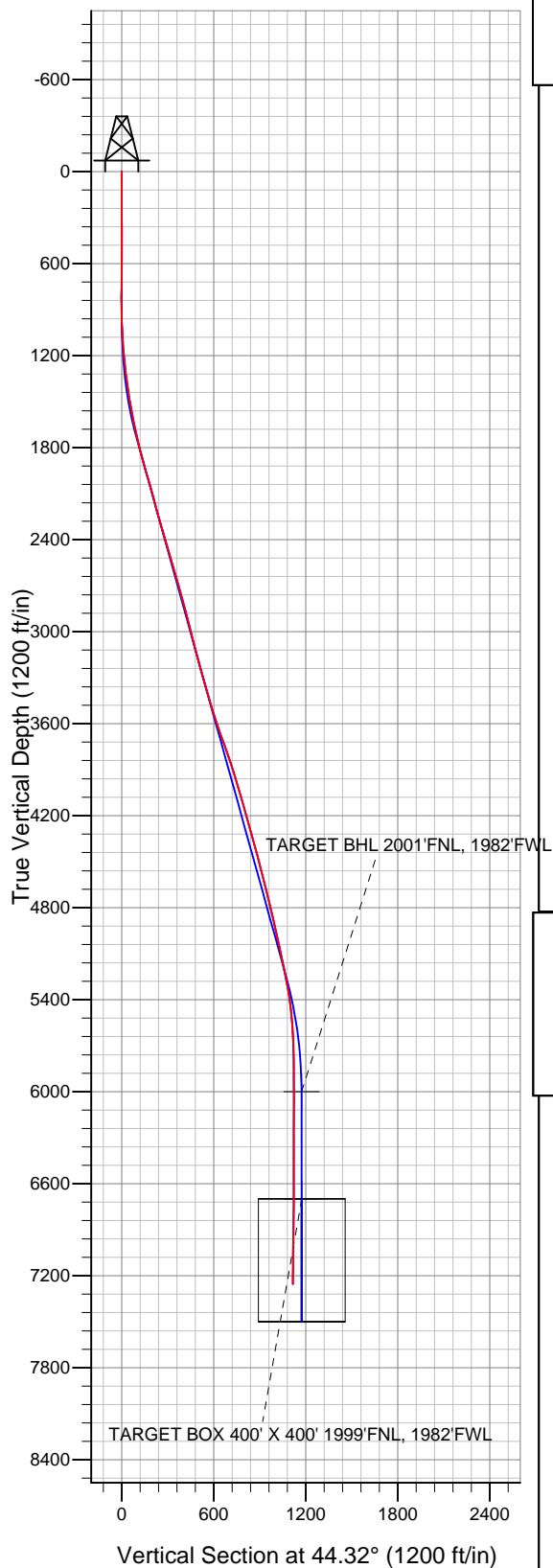


LEGEND

- ◆ Great Western 25-22, Wellbore #1, Plan #1 (4-27-10) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
7399'MD & 7255'TVD @ 1115'VS
0.7 deg Inc 212.9 deg AZ



Project: SEC.25-T6N-R67W
Site: Great Western 25-22 Pad Sec.25-T6N-R67W
Well: Great Western 25-22
Plan: Wellbore #1



Directional

Great Western

SEC.25-T6N-R67W

Great Western 25-22 Pad Sec.25-T6N-R67W

Great Western 25-22

Wellbore #1

Survey: Survey #1

Standard Survey Report

19 April, 2011

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
	551.0	0.40	320.20	551.0	1.5	-1.2	0.2	0.07	0.07	0.00
	645.0	0.50	330.70	645.0	2.1	-1.6	0.3	0.14	0.11	11.17
	738.0	0.60	299.40	738.0	2.7	-2.3	0.3	0.34	0.11	-33.66
	832.0	0.50	283.60	832.0	3.0	-3.1	0.0	0.19	-0.11	-16.81
	926.0	0.80	345.10	926.0	3.7	-3.7	0.1	0.76	0.32	65.43
	1,019.0	2.00	20.10	1,019.0	5.9	-3.3	1.9	1.53	1.29	37.63
	1,113.0	3.70	32.20	1,112.8	10.0	-1.1	6.4	1.91	1.81	12.87
	1,207.0	5.30	39.30	1,206.5	15.9	3.3	13.7	1.80	1.70	7.55
	1,301.0	6.70	43.50	1,300.0	23.3	9.8	23.5	1.56	1.49	4.47
	1,394.0	8.00	46.20	1,392.3	31.7	18.2	35.4	1.45	1.40	2.90
	1,488.0	9.80	43.60	1,485.1	42.0	28.4	49.9	1.96	1.91	-2.77

Company:	Great Western	Local Co-ordinate Reference:	Site Great Western 25-22 Pad Sec.25-T6N-R67W
Project:	SEC.25-T6N-R67W	TVD Reference:	WELL @ 4764.0ft (Original Well Elev)
Site:	Great Western 25-22 Pad Sec.25-T6N-R67W	MD Reference:	WELL @ 4764.0ft (Original Well Elev)
Well:	Great Western 25-22	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)
1,582.0	10.80	41.20	1,577.6	54.4	39.8	66.7	1.16	1.06	-2.55
1,675.0	11.90	46.70	1,668.8	67.6	52.5	85.0	1.66	1.18	5.91
1,769.0	13.80	48.40	1,760.4	81.6	67.9	105.9	2.06	2.02	1.81
1,863.0	14.60	44.10	1,851.6	97.6	84.6	128.9	1.41	0.85	-4.57
1,957.0	16.30	42.70	1,942.2	115.8	101.7	153.9	1.85	1.81	-1.49
2,050.0	15.70	44.20	2,031.6	134.4	119.4	179.6	0.78	-0.65	1.61
2,144.0	15.30	46.50	2,122.1	152.1	137.2	204.7	0.78	-0.43	2.45
2,238.0	15.30	44.10	2,212.8	169.5	154.9	229.5	0.67	0.00	-2.55
2,331.0	15.80	45.30	2,302.4	187.2	172.4	254.4	0.64	0.54	1.29
2,422.0	15.90	45.40	2,389.9	204.7	190.1	279.3	0.11	0.11	0.11
2,516.0	17.00	44.90	2,480.1	223.5	208.9	305.9	1.18	1.17	-0.53
2,610.0	16.80	44.90	2,570.0	242.8	228.2	333.2	0.21	-0.21	0.00
2,704.0	14.90	43.80	2,660.5	261.2	246.2	358.9	2.05	-2.02	-1.17
2,798.0	15.30	46.40	2,751.2	278.4	263.5	383.3	0.84	0.43	2.77
2,892.0	15.80	46.00	2,841.8	295.9	281.7	408.5	0.54	0.53	-0.43
2,985.0	14.50	45.20	2,931.5	312.9	299.1	432.8	1.42	-1.40	-0.86
3,079.0	14.10	43.50	3,022.6	329.5	315.3	456.0	0.62	-0.43	-1.81
3,172.0	14.50	43.50	3,112.7	346.2	331.1	479.0	0.43	0.43	0.00
3,266.0	15.50	46.90	3,203.5	363.3	348.4	503.3	1.42	1.06	3.62
3,360.0	15.60	47.00	3,294.1	380.5	366.8	528.5	0.11	0.11	0.11
3,453.0	15.60	44.60	3,383.7	397.9	384.7	553.5	0.69	0.00	-2.58
3,547.0	16.50	43.50	3,474.0	416.6	402.8	579.5	1.01	0.96	-1.17
3,641.0	18.30	42.50	3,563.7	437.2	422.0	607.6	1.94	1.91	-1.06
3,735.0	19.40	40.10	3,652.7	460.0	442.0	637.9	1.43	1.17	-2.55
3,828.0	19.80	40.10	3,740.3	483.8	462.1	669.0	0.43	0.43	0.00
3,922.0	19.00	43.70	3,828.9	507.1	482.9	700.2	1.53	-0.85	3.83
4,016.0	17.30	47.30	3,918.3	527.6	503.8	729.5	2.17	-1.81	3.83
4,109.0	15.50	44.00	4,007.5	545.9	522.6	755.7	2.18	-1.94	-3.55
4,203.0	16.70	45.00	4,097.8	564.5	540.8	781.8	1.31	1.28	1.06
4,297.0	16.20	46.20	4,187.9	583.2	559.9	808.4	0.64	-0.53	1.28
4,390.0	16.60	43.30	4,277.2	601.8	578.3	834.6	0.98	0.43	-3.12
4,484.0	14.30	41.70	4,367.8	620.2	595.3	859.6	2.49	-2.45	-1.70
4,578.0	14.10	42.00	4,458.9	637.4	610.6	882.7	0.23	-0.21	0.32
4,672.0	14.20	42.80	4,550.0	654.4	626.1	905.6	0.23	0.11	0.85
4,765.0	14.40	43.50	4,640.2	671.1	641.9	928.6	0.28	0.22	0.75
4,858.0	14.60	42.60	4,730.2	688.2	657.7	951.9	0.32	0.22	-0.97
4,952.0	14.10	43.60	4,821.3	705.2	673.7	975.2	0.59	-0.53	1.06
5,046.0	12.10	44.10	4,912.8	720.5	688.4	996.5	2.13	-2.13	0.53
5,140.0	11.90	45.90	5,004.8	734.4	702.2	1,016.0	0.45	-0.21	1.91
5,233.0	12.30	45.90	5,095.7	747.9	716.2	1,035.5	0.43	0.43	0.00
5,327.0	12.20	46.80	5,187.5	761.7	730.7	1,055.4	0.23	-0.11	0.96
5,421.0	11.00	42.10	5,279.6	775.2	743.9	1,074.3	1.62	-1.28	-5.00
5,514.0	8.70	46.50	5,371.3	786.6	755.0	1,090.2	2.60	-2.47	4.73
5,608.0	6.50	49.10	5,464.4	795.0	764.1	1,102.6	2.37	-2.34	2.77
5,702.0	4.40	46.20	5,558.0	800.9	770.8	1,111.5	2.25	-2.23	-3.09
5,796.0	2.40	35.60	5,651.8	805.0	774.5	1,117.1	2.22	-2.13	-11.28
5,890.0	1.50	14.30	5,745.8	807.8	776.0	1,120.1	1.21	-0.96	-22.66
5,984.0	1.00	351.50	5,839.7	809.8	776.2	1,121.7	0.74	-0.53	-24.26
6,078.0	0.70	330.50	5,933.7	811.1	775.7	1,122.3	0.46	-0.32	-22.34
6,144.2	0.83	315.62	5,999.9	811.8	775.2	1,122.4	0.36	0.20	-22.49
TARGET BHL 2001'FNL, 1982'FWL									
6,172.0	0.90	310.80	6,027.7	812.1	774.9	1,122.4	0.36	0.25	-17.32
6,266.0	0.90	312.90	6,121.7	813.1	773.8	1,122.4	0.04	0.00	2.23

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Well:	Great Western 25-22	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)
6,360.0	0.80	309.70	6,215.7	814.0	772.8	1,122.3	0.12	-0.11	-3.40
6,454.0	0.50	311.50	6,309.7	814.7	771.9	1,122.2	0.32	-0.32	1.91
6,548.0	0.20	317.20	6,403.7	815.1	771.5	1,122.2	0.32	-0.32	6.06
6,637.0	0.30	324.10	6,492.7	815.4	771.3	1,122.3	0.12	0.11	7.75
6,731.0	0.30	263.20	6,586.7	815.6	770.9	1,122.1	0.32	0.00	-64.79
6,825.0	0.50	232.50	6,680.7	815.3	770.3	1,121.5	0.30	0.21	-32.66
6,843.8	0.53	226.24	6,699.5	815.2	770.2	1,121.3	0.34	0.16	-33.28
TARGET BOX 400' X 400' 1999'FNL, 1982'FWL									
6,919.0	0.70	208.10	6,774.7	814.5	769.7	1,120.6	0.34	0.23	-24.13
7,013.0	0.70	205.90	6,868.7	813.5	769.2	1,119.5	0.03	0.00	-2.34
7,106.0	0.70	204.50	6,961.7	812.5	768.7	1,118.4	0.02	0.00	-1.51
7,200.0	0.50	212.40	7,055.7	811.6	768.3	1,117.4	0.23	-0.21	8.40
7,294.0	0.70	208.10	7,149.7	810.8	767.8	1,116.5	0.22	0.21	-4.57
7,356.0	0.70	212.90	7,211.7	810.1	767.4	1,115.8	0.09	0.00	7.74
7,399.0	0.70	212.90	7,254.7	809.7	767.1	1,115.2	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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