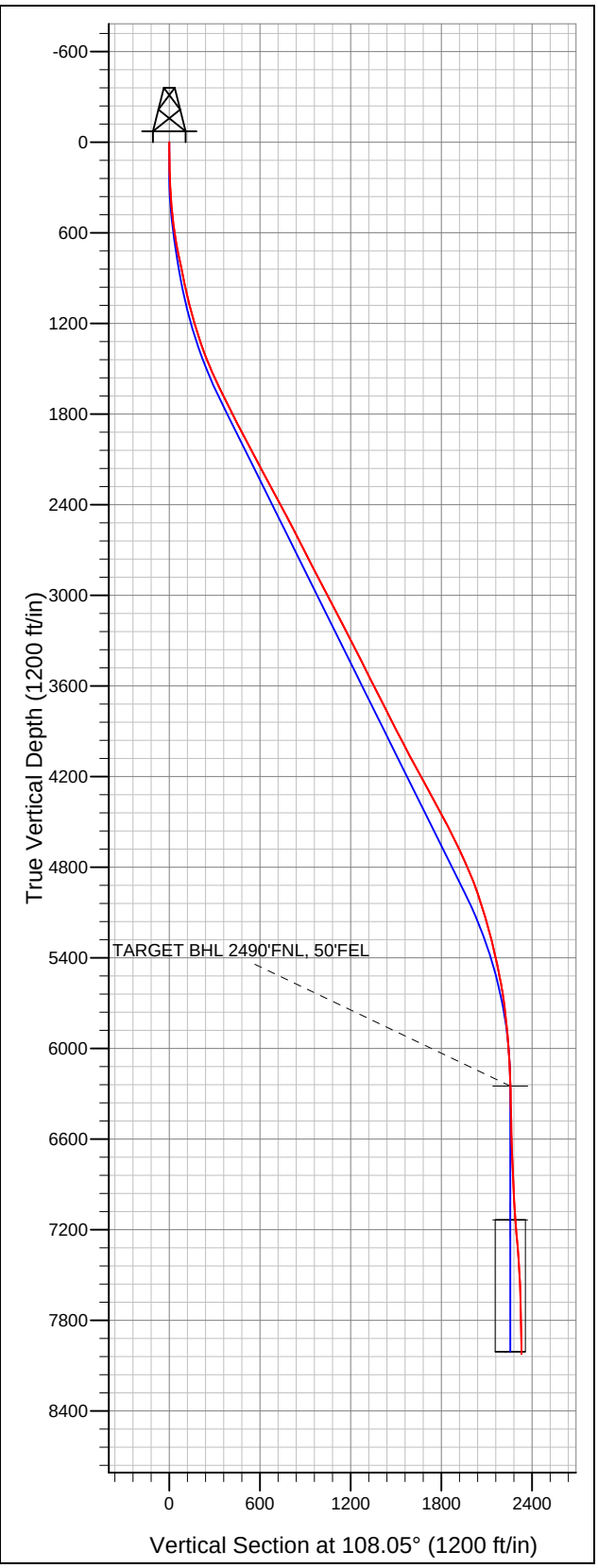
Well Name: Maier 8-4-28

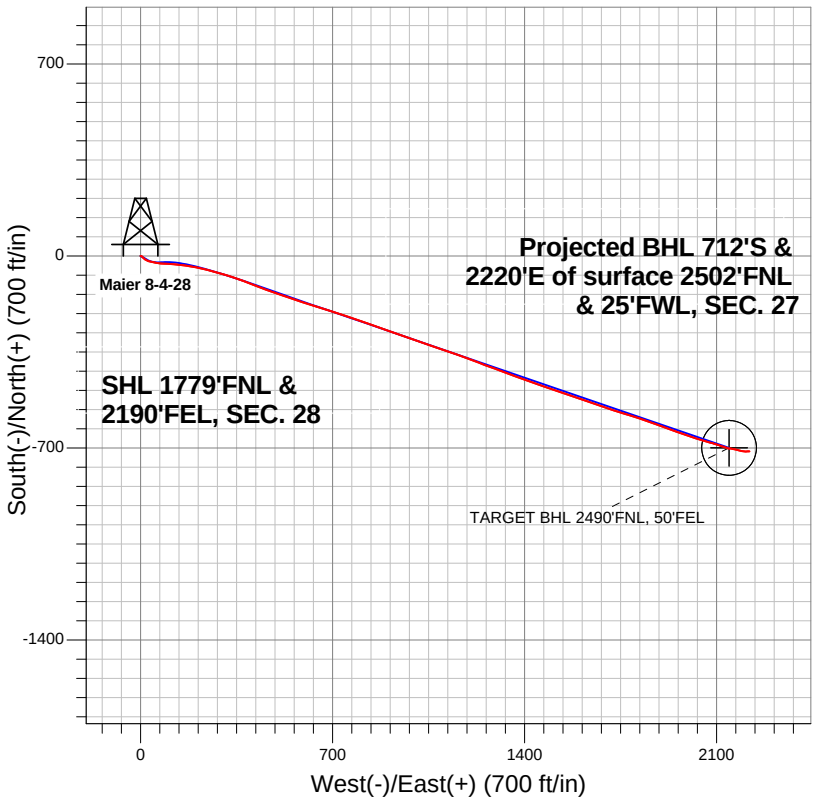
Surface Location: Maier 31-28 Pad Sec.28-T2N-R66W
North American Datum 1983 US State Plane 1983Colorado Northern Zone
Ground Elevation: 4931.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	1284279.71	3201199.58	40.111500	-104.780640	

Original Well Elev WELL @ 4943.0ft (Original Well Elev)

EnCana Oil & Gas Weld County CO





LEGEND

- Wellbore #1
- Maier 8-4-28, Wellbore #1, Plan #2 (6-19-12) R V0
- Survey #1

Final Survey Plot

Projected Final Survey -
8510'MD & 8023'TVD @ 2332'VS
0.90 deg Inc 81.30 deg AZ

Project: SEC.28-T2N-R66W
Site: Maier 31-28 Pad Sec.28-T2N-R66W
Well: Maier 8-4-28
Plan: Wellbore #1

EnCana Oil & Gas Weld County CO

SEC.28-T2N-R66W
Maier 31-28 Pad Sec.28-T2N-R66W
Maier 8-4-28

Wellbore #1

Survey: Survey #1

Standard Survey Report

02 July, 2012

Ensign Directional
Survey Report

Company:	EnCana Oil & Gas Weld County CO	**Local Co-ordinate Reference:**	Well Maier 8-4-28
Project:	SEC.28-T2N-R66W	**TVD Reference:**	WELL @ 4943.0ft (Original Well Elev)
Site:	Maier 31-28 Pad Sec.28-T2N-R66W	**MD Reference:**	WELL @ 4943.0ft (Original Well Elev)
Well:	Maier 8-4-28	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	Landmark

Project SEC.28-T2N-R66W

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 Maier 31-28 Pad Sec.28-T2N-R66W

Site Position:		**Northing:**	1,284,297.93 ft	**Latitude:**	40.111550
From:	Lat/Long	**Easting:**	3,201,199.44 ft	**Longitude:**	-104.780640
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.46 °

Well Maier 8-4-28

Well Position	**+N/-S**	0.0 ft	**Northing:**	1,284,279.71 ft	**Latitude:**	40.111500
	+E/-W	0.0 ft	**Easting:**	3,201,199.58 ft	**Longitude:**	-104.780640
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,931.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/19/2012	8.71	66.78	52,870

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	108.05

Survey Program **Date** 7/2/2012

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
92.0	8,510.0	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
92.0	1.10	91.20	92.0	0.0	0.9	0.8	1.20	1.20	0.00
184.0	1.80	107.20	184.0	-0.5	3.1	3.1	0.87	0.76	17.39
276.0	3.00	138.30	275.9	-2.7	6.1	6.7	1.88	1.30	33.80
368.0	4.10	137.90	367.7	-6.9	9.9	11.6	1.20	1.20	-0.43
460.0	5.40	125.60	459.4	-11.9	15.7	18.6	1.79	1.41	-13.37
551.0	7.50	110.10	549.8	-16.4	24.7	28.6	2.98	2.31	-17.03
642.0	9.40	106.10	639.8	-20.5	37.4	42.0	2.18	2.09	-4.40
736.0	11.60	100.30	732.2	-24.3	54.1	59.0	2.59	2.34	-6.17
829.0	12.20	95.20	823.3	-26.9	73.1	77.8	1.30	0.65	-5.48
881.0	12.70	91.50	874.0	-27.6	84.3	88.7	1.81	0.96	-7.12
953.0	12.20	93.30	944.3	-28.2	99.8	103.6	0.88	-0.69	2.50
1,047.0	13.90	95.40	1,035.9	-29.8	121.0	124.2	1.88	1.81	2.23

Company:	EnCana Oil & Gas Weld County CO	**Local Co-ordinate Reference:**	Well Maier 8-4-28
Project:	SEC.28-T2N-R66W	**TVD Reference:**	WELL @ 4943.0ft (Original Well Elev)
Site:	Maier 31-28 Pad Sec.28-T2N-R66W	**MD Reference:**	WELL @ 4943.0ft (Original Well Elev)
Well:	Maier 8-4-28	**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)
1,141.0	15.00	95.90	1,126.9	-32.1	144.3	147.2	1.18	1.17	0.53
1,234.0	17.10	98.70	1,216.3	-35.5	169.8	172.4	2.41	2.26	3.01
1,328.0	18.60	100.50	1,305.8	-40.3	198.2	200.9	1.70	1.60	1.91
1,422.0	20.50	103.30	1,394.4	-46.8	228.9	232.2	2.25	2.02	2.98
1,515.0	22.70	106.30	1,480.8	-55.6	262.0	266.3	2.65	2.37	3.23
1,609.0	24.40	105.40	1,567.0	-65.8	298.2	303.9	1.85	1.81	-0.96
1,703.0	26.60	108.90	1,651.8	-77.8	336.8	344.3	2.84	2.34	3.72
1,796.0	26.80	110.30	1,734.9	-91.8	376.2	386.1	0.71	0.22	1.51
1,890.0	27.10	111.00	1,818.7	-106.8	416.0	428.6	0.46	0.32	0.74
1,984.0	27.10	111.00	1,902.4	-122.2	456.0	471.4	0.00	0.00	0.00
2,077.0	27.30	107.90	1,985.1	-136.3	496.1	513.9	1.54	0.22	-3.33
2,171.0	28.10	109.80	2,068.3	-150.5	537.4	557.6	1.27	0.85	2.02
2,265.0	28.50	108.00	2,151.1	-164.9	579.6	602.1	1.00	0.43	-1.91
2,358.0	28.40	107.30	2,232.9	-178.3	621.8	646.4	0.37	-0.11	-0.75
2,452.0	27.80	107.70	2,315.8	-191.6	664.0	690.7	0.67	-0.64	0.43
2,546.0	28.20	107.90	2,398.8	-205.1	706.0	734.8	0.44	0.43	0.21
2,639.0	28.10	107.50	2,480.8	-218.5	747.8	778.7	0.23	-0.11	-0.43
2,733.0	27.40	108.60	2,564.0	-232.0	789.4	822.5	0.92	-0.74	1.17
2,827.0	26.60	110.00	2,647.7	-246.1	829.7	865.1	1.09	-0.85	1.49
2,920.0	27.30	110.10	2,730.6	-260.6	869.3	907.3	0.75	0.75	0.11
3,014.0	27.30	107.30	2,814.2	-274.4	910.1	950.4	1.37	0.00	-2.98
3,108.0	26.60	110.00	2,898.0	-288.0	950.5	993.0	1.50	-0.74	2.87
3,201.0	28.00	112.10	2,980.6	-303.3	990.3	1,035.5	1.83	1.51	2.26
3,295.0	28.20	107.20	3,063.5	-318.2	1,032.0	1,079.8	2.46	0.21	-5.21
3,389.0	27.40	107.90	3,146.7	-331.4	1,073.8	1,123.6	0.92	-0.85	0.74
3,482.0	27.10	108.70	3,229.4	-344.8	1,114.2	1,166.2	0.51	-0.32	0.86
3,576.0	27.60	111.20	3,312.9	-359.5	1,154.8	1,209.3	1.33	0.53	2.66
3,669.0	26.70	110.30	3,395.6	-374.6	1,194.5	1,251.7	1.06	-0.97	-0.97
3,763.0	26.30	110.80	3,479.7	-389.3	1,233.7	1,293.6	0.49	-0.43	0.53
3,857.0	27.00	108.90	3,563.7	-403.6	1,273.4	1,335.8	1.17	0.74	-2.02
3,950.0	27.30	111.70	3,646.5	-418.3	1,313.2	1,378.2	1.41	0.32	3.01
4,044.0	26.50	110.00	3,730.3	-433.5	1,352.9	1,420.6	1.18	-0.85	-1.81
4,138.0	26.80	110.50	3,814.3	-448.1	1,392.5	1,462.8	0.40	0.32	0.53
4,231.0	26.80	109.30	3,897.4	-462.3	1,431.9	1,504.7	0.58	0.00	-1.29
4,325.0	27.60	108.40	3,981.0	-476.2	1,472.6	1,547.6	0.96	0.85	-0.96
4,419.0	28.10	109.80	4,064.1	-490.6	1,514.0	1,591.5	0.88	0.53	1.49
4,512.0	28.60	108.20	4,145.9	-505.0	1,555.8	1,635.7	0.98	0.54	-1.72
4,606.0	29.40	107.90	4,228.1	-519.1	1,599.1	1,681.3	0.87	0.85	-0.32
4,700.0	28.50	110.00	4,310.4	-533.8	1,642.2	1,726.7	1.44	-0.96	2.23
4,793.0	27.70	109.80	4,392.4	-548.7	1,683.3	1,770.5	0.87	-0.86	-0.22
4,887.0	27.30	107.30	4,475.8	-562.6	1,724.5	1,813.9	1.30	-0.43	-2.66
4,981.0	27.90	106.80	4,559.1	-575.3	1,766.1	1,857.5	0.68	0.64	-0.53
5,074.0	25.90	107.90	4,642.0	-587.9	1,806.3	1,899.5	2.22	-2.15	1.18
5,168.0	24.80	110.10	4,727.0	-600.9	1,844.3	1,939.8	1.54	-1.17	2.34
5,262.0	23.20	109.30	4,812.9	-613.8	1,880.3	1,978.0	1.74	-1.70	-0.85
5,355.0	21.40	110.50	4,898.9	-625.8	1,913.5	2,013.3	2.00	-1.94	1.29
5,449.0	18.50	110.50	4,987.3	-637.1	1,943.5	2,045.3	3.09	-3.09	0.00
5,543.0	17.00	107.70	5,076.8	-646.5	1,970.6	2,073.9	1.84	-1.60	-2.98
5,636.0	16.40	108.60	5,165.9	-654.8	1,996.0	2,100.7	0.70	-0.65	0.97
5,730.0	14.60	108.20	5,256.4	-662.7	2,019.8	2,125.8	1.92	-1.91	-0.43
5,824.0	12.90	107.90	5,347.7	-669.6	2,041.1	2,148.1	1.81	-1.81	-0.32
5,917.0	11.60	107.00	5,438.6	-675.6	2,059.9	2,167.8	1.41	-1.40	-0.97
6,011.0	12.00	103.80	5,530.6	-680.7	2,078.4	2,187.0	0.82	0.43	-3.40
6,105.0	8.90	107.50	5,623.1	-685.2	2,094.9	2,204.1	3.37	-3.30	3.94

Company:	EnCana Oil & Gas Weld County CO	**Local Co-ordinate Reference:**	Well Maier 8-4-28
Project:	SEC.28-T2N-R66W	**TVD Reference:**	WELL @ 4943.0ft (Original Well Elev)
Site:	Maier 31-28 Pad Sec.28-T2N-R66W	**MD Reference:**	WELL @ 4943.0ft (Original Well Elev)
Well:	Maier 8-4-28	**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)
6,198.0	7.70	111.00	5,715.1	-689.6	2,107.5	2,217.5	1.40	-1.29	3.76
6,292.0	6.00	106.60	5,808.4	-693.2	2,118.1	2,228.7	1.89	-1.81	-4.68
6,386.0	4.40	107.20	5,902.0	-695.7	2,126.3	2,237.2	1.70	-1.70	0.64
6,480.0	3.80	111.20	5,995.8	-697.9	2,132.6	2,243.9	0.71	-0.64	4.26
6,574.0	3.60	107.00	6,089.6	-699.9	2,138.4	2,250.0	0.36	-0.21	-4.47
6,668.0	3.20	106.50	6,183.4	-701.5	2,143.7	2,255.5	0.43	-0.43	-0.53
6,734.6	1.59	92.28	6,250.0	-702.1	2,146.4	2,258.3	2.56	-2.42	-21.35
TARGET BHL 2490'FNL, 50'FEL									
6,763.0	1.00	72.70	6,278.4	-702.0	2,147.0	2,258.9	2.56	-2.07	-68.93
6,857.0	1.00	70.10	6,372.3	-701.5	2,148.6	2,260.2	0.05	0.00	-2.77
6,951.0	1.10	89.60	6,466.3	-701.2	2,150.3	2,261.7	0.39	0.11	20.74
7,045.0	1.50	108.60	6,560.3	-701.6	2,152.3	2,263.8	0.62	0.43	20.21
7,140.0	1.90	100.50	6,655.3	-702.3	2,155.0	2,266.6	0.49	0.42	-8.53
7,234.0	2.30	102.10	6,749.2	-702.9	2,158.4	2,270.0	0.43	0.43	1.70
7,328.0	2.70	107.50	6,843.1	-704.0	2,162.4	2,274.1	0.49	0.43	5.74
7,423.0	2.90	104.30	6,938.0	-705.3	2,166.8	2,278.7	0.27	0.21	-3.37
7,517.0	3.40	101.90	7,031.9	-706.4	2,171.9	2,283.9	0.55	0.53	-2.55
7,611.0	3.80	101.50	7,125.7	-707.6	2,177.7	2,289.7	0.43	0.43	-0.43
7,617.8	3.87	101.68	7,132.5	-707.7	2,178.1	2,290.2	0.97	0.95	2.59
TARGET CIRCLE 2490'FNL & 50'FEL									
7,705.0	4.70	103.50	7,219.4	-709.2	2,184.5	2,296.7	0.97	0.96	2.09
7,800.0	5.20	101.70	7,314.1	-710.9	2,192.5	2,304.8	0.55	0.53	-1.89
7,894.0	4.00	94.90	7,407.7	-712.1	2,199.9	2,312.3	1.40	-1.28	-7.23
7,988.0	3.20	88.00	7,501.6	-712.3	2,205.8	2,317.9	0.97	-0.85	-7.34
8,083.0	2.40	82.90	7,596.4	-711.9	2,210.4	2,322.2	0.88	-0.84	-5.37
8,177.0	1.20	91.70	7,690.4	-711.7	2,213.3	2,324.9	1.31	-1.28	9.36
8,271.0	1.10	93.40	7,784.4	-711.8	2,215.2	2,326.8	0.11	-0.11	1.81
8,366.0	1.30	92.60	7,879.4	-711.9	2,217.2	2,328.7	0.21	0.21	-0.84
8,465.0	0.90	81.30	7,978.3	-711.8	2,219.1	2,330.4	0.46	-0.40	-11.41
8,510.0	0.90	81.30	8,023.3	-711.7	2,219.8	2,331.1	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____