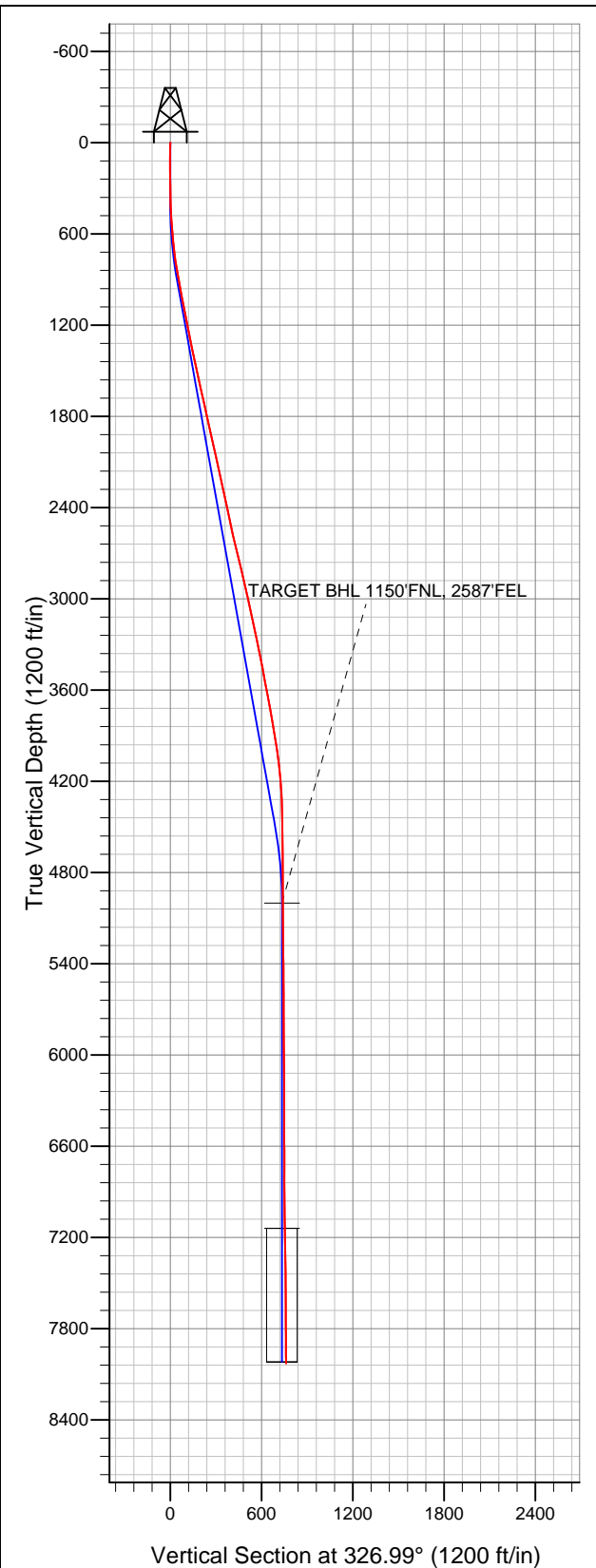


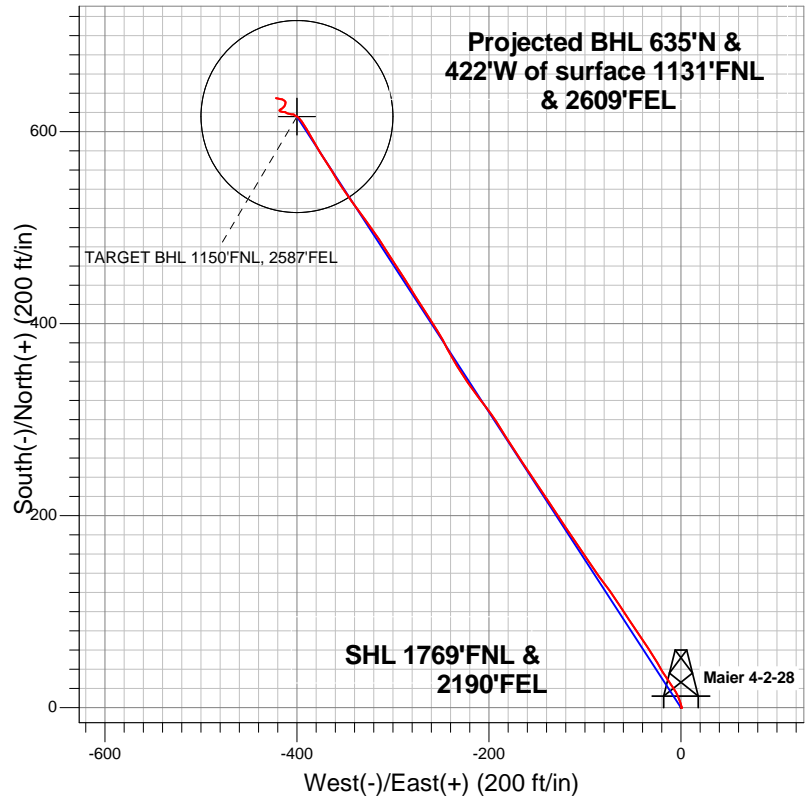
Well Name: Maier 4-2-28

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	Latitude	Longitude	Slot
0.0	0.0	1284290.64	3201199.50	40.111530	-104.780640	
Original Well Elev			WELL @ 4943.0ft (Original Well Elev)			



EnCana Oil & Gas Weld County CO



LEGEND

- Wellbore #1
- Maier 4-2-28, Wellbore #1, Plan #2 (6-26-12) R V0
- Survey #1

Final Survey Plot

Projected Final Survey -
8100'MD & 8027'TVD @ 762'VS
0.90 deg Inc 280.70 deg AZ

Project: SEC.28-T2N-R66W
Site: Maier 31-28 Pad Sec.28-T2N-R66W
Well: Maier 4-2-28
Plan: Wellbore #1



EnCana Oil & Gas Weld County CO

SEC.28-T2N-R66W

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

Maier 4-2-28

Wellbore #1

Survey: Survey #1

Standard Survey Report

05 July, 2012

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Maier 4-2-28
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 4-2-28	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:	1,284,297.93ft	Latitude:	40.111550
From:	Lat/Long	Easting:	3,201,199.44ft	Longitude:	-104.780640
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.46 °

Well	Maier 4-2-28					
Well Position	+N/-S	0.0 ft	Northing:	1,284,290.64 ft	Latitude:	40.111530
	+E/-W	0.0 ft	Easting:	3,201,199.50 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	6/26/2012	8.71	66.78	52,868

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	326.99	

Survey Program		Date	7/5/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
92.0	8,100.0	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	0.90	124.40	92.0	-0.4	0.6	-0.7	0.98	0.98	0.00
184.0	0.70	346.90	184.0	-0.3	1.1	-0.8	1.62	-0.22	-149.46
276.0	0.60	339.70	276.0	0.7	0.8	0.2	0.14	-0.11	-7.83
368.0	1.40	339.40	368.0	2.2	0.2	1.8	0.87	0.87	-0.33
460.0	2.90	345.70	459.9	5.5	-0.8	5.1	1.65	1.63	6.85
551.0	4.20	337.10	550.7	10.8	-2.6	10.5	1.54	1.43	-9.45
642.0	5.50	327.80	641.4	17.6	-6.2	18.2	1.67	1.43	-10.22
736.0	7.60	326.40	734.8	26.6	-12.1	28.9	2.24	2.23	-1.49
829.0	9.30	328.10	826.8	38.1	-19.5	42.5	1.85	1.83	1.83
884.0	10.50	328.80	881.0	46.2	-24.4	52.0	2.19	2.18	1.27
985.0	10.40	327.80	980.3	61.7	-34.0	70.3	0.21	-0.10	-0.99
1,078.0	10.80	325.00	1,071.7	76.0	-43.5	87.4	0.70	0.43	-3.01

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Maier 4-2-28
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 4-2-28	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)	
1,172.0	11.30	326.70	1,163.9	90.9	-53.6	105.4	0.63	0.53	1.81	
1,266.0	11.30	326.70	1,256.1	106.3	-63.7	123.8	0.00	0.00	0.00	
1,359.0	11.80	324.60	1,347.2	121.7	-74.2	142.5	0.70	0.54	-2.26	
1,453.0	11.70	323.40	1,439.3	137.1	-85.5	161.6	0.28	-0.11	-1.28	
1,547.0	12.40	326.40	1,531.2	153.2	-96.8	181.2	1.00	0.74	3.19	
1,640.0	12.60	326.00	1,622.0	169.9	-108.0	201.3	0.23	0.22	-0.43	
1,734.0	12.80	326.20	1,713.7	187.1	-119.5	222.0	0.22	0.21	0.21	
1,828.0	12.70	326.70	1,805.4	204.4	-130.9	242.7	0.16	-0.11	0.53	
1,921.0	12.10	325.50	1,896.2	220.9	-142.1	262.7	0.70	-0.65	-1.29	
2,015.0	12.40	325.50	1,988.1	237.4	-153.4	282.6	0.32	0.32	0.00	
2,109.0	13.00	327.60	2,079.8	254.6	-164.8	303.3	0.81	0.64	2.23	
2,202.0	12.30	327.10	2,170.5	271.8	-175.7	323.6	0.76	-0.75	-0.54	
2,296.0	12.80	328.50	2,262.3	289.1	-186.6	344.1	0.62	0.53	1.49	
2,390.0	11.60	324.10	2,354.1	305.6	-197.6	363.9	1.61	-1.28	-4.68	
2,483.0	12.50	322.00	2,445.1	321.1	-209.3	383.3	1.08	0.97	-2.26	
2,577.0	12.00	325.70	2,537.0	337.2	-221.1	403.2	0.99	-0.53	3.94	
2,671.0	13.20	327.70	2,628.7	354.3	-232.3	423.7	1.36	1.28	2.13	
2,764.0	13.60	333.60	2,719.2	373.1	-242.8	445.2	1.53	0.43	6.34	
2,858.0	13.30	328.10	2,810.6	392.2	-253.5	467.0	1.40	-0.32	-5.85	
2,952.0	13.50	326.40	2,902.0	410.5	-265.2	488.7	0.47	0.21	-1.81	
3,045.0	12.70	328.30	2,992.6	428.2	-276.6	509.8	0.98	-0.86	2.04	
3,139.0	12.50	328.30	3,084.3	445.7	-287.4	530.3	0.21	-0.21	0.00	
3,233.0	11.70	326.00	3,176.3	462.2	-298.1	550.0	0.99	-0.85	-2.45	
3,326.0	11.30	328.10	3,267.4	477.8	-308.2	568.6	0.62	-0.43	2.26	
3,420.0	12.00	325.50	3,359.5	493.7	-318.6	587.5	0.93	0.74	-2.77	
3,514.0	10.90	323.90	3,451.6	508.9	-329.3	606.2	1.22	-1.17	-1.70	
3,607.0	10.60	323.20	3,542.9	522.9	-339.6	623.5	0.35	-0.32	-0.75	
3,701.0	10.40	325.70	3,635.4	536.8	-349.6	640.6	0.53	-0.21	2.66	
3,794.0	10.40	329.50	3,726.8	551.0	-358.6	657.4	0.74	0.00	4.09	
3,888.0	9.60	325.80	3,819.4	564.8	-367.3	673.7	1.09	-0.85	-3.94	
3,982.0	9.30	329.70	3,912.1	577.8	-375.5	689.1	0.75	-0.32	4.15	
4,075.0	8.20	330.80	4,004.1	590.1	-382.6	703.2	1.20	-1.18	1.18	
4,169.0	6.50	328.60	4,097.3	600.5	-388.6	715.2	1.83	-1.81	-2.34	
4,263.0	5.20	327.20	4,190.8	608.6	-393.7	724.8	1.39	-1.38	-1.49	
4,356.0	3.00	317.00	4,283.6	613.9	-397.6	731.4	2.48	-2.37	-10.97	
4,450.0	1.60	282.20	4,377.5	616.0	-400.6	734.8	2.04	-1.49	-37.02	
4,544.0	1.00	329.50	4,471.5	617.0	-402.3	736.5	1.25	-0.64	50.32	
4,637.0	0.70	287.30	4,564.4	617.8	-403.2	737.8	0.72	-0.32	-45.38	
4,731.0	0.80	274.00	4,658.4	618.1	-404.5	738.6	0.21	0.11	-14.15	
4,825.0	0.30	248.80	4,752.4	618.0	-405.3	739.1	0.58	-0.53	-26.81	
4,918.0	0.70	291.40	4,845.4	618.1	-406.1	739.6	0.56	0.43	45.81	
5,012.0	0.60	278.90	4,939.4	618.4	-407.1	740.4	0.18	-0.11	-13.30	
5,072.5	0.47	278.14	4,999.9	618.5	-407.7	740.8	0.21	-0.21	-1.26	
TARGET BHL 1150'FNL, 2587'FEL										
5,106.0	0.40	277.50	5,033.4	618.5	-407.9	740.9	0.21	-0.21	-1.90	
5,199.0	0.40	286.30	5,126.4	618.7	-408.6	741.4	0.07	0.00	9.46	
5,293.0	0.40	271.00	5,220.4	618.8	-409.2	741.8	0.11	0.00	-16.28	
5,387.0	0.80	291.60	5,314.4	619.0	-410.1	742.5	0.48	0.43	21.91	
5,480.0	0.80	315.10	5,407.4	619.7	-411.2	743.7	0.35	0.00	25.27	
5,574.0	0.50	272.90	5,501.4	620.2	-412.1	744.6	0.58	-0.32	-44.89	
5,668.0	0.70	274.50	5,595.4	620.3	-413.1	745.2	0.21	0.21	1.70	
5,761.0	0.40	281.40	5,688.4	620.4	-413.9	745.7	0.33	-0.32	7.42	
5,855.0	0.70	277.50	5,782.4	620.5	-414.8	746.3	0.32	0.32	-4.15	
5,949.0	0.70	293.50	5,876.4	620.8	-415.9	747.2	0.21	0.00	17.02	

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Maier 4-2-28
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Site:	Maier 31-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Well:	Maier 4-2-28	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)	
6,042.0	0.40	286.30	5,969.4	621.1	-416.8	747.9	0.33	-0.32	-7.74	
6,136.0	0.40	281.40	6,063.4	621.3	-417.4	748.4	0.04	0.00	-5.21	
6,230.0	0.50	300.50	6,157.4	621.6	-418.1	749.0	0.19	0.11	20.32	
6,323.0	0.60	30.00	6,250.4	622.2	-418.2	749.6	0.84	0.11	96.24	
6,417.0	0.70	56.00	6,344.4	622.9	-417.5	749.8	0.33	0.11	27.66	
6,511.0	0.60	62.30	6,438.3	623.5	-416.5	749.8	0.13	-0.11	6.70	
6,606.0	0.80	69.00	6,533.3	624.0	-415.5	749.6	0.23	0.21	7.05	
6,700.0	0.60	33.90	6,627.3	624.6	-414.6	749.6	0.49	-0.21	-37.34	
6,794.0	1.00	42.30	6,721.3	625.6	-413.8	750.0	0.44	0.43	8.94	
6,888.0	0.50	38.10	6,815.3	626.5	-413.0	750.4	0.53	-0.53	-4.47	
6,983.0	0.40	25.90	6,910.3	627.2	-412.6	750.7	0.15	-0.11	-12.84	
7,077.0	0.80	8.70	7,004.3	628.1	-412.3	751.3	0.46	0.43	-18.30	
7,171.0	1.10	21.90	7,098.3	629.6	-411.9	752.4	0.39	0.32	14.04	
7,211.4	0.99	355.28	7,138.7	630.3	-411.8	752.9	1.22	-0.27	-65.85	
TARGET CIRCLE 1150'FNL & 2587'FEL										
7,266.0	1.20	321.60	7,193.3	631.2	-412.2	753.9	1.22	0.38	-61.71	
7,360.0	1.70	305.80	7,287.3	632.8	-413.9	756.2	0.68	0.53	-16.81	
7,454.0	0.80	280.50	7,381.2	633.7	-415.7	757.9	1.10	-0.96	-26.91	
7,548.0	0.40	267.80	7,475.2	633.9	-416.7	758.5	0.45	-0.43	-13.51	
7,643.0	0.10	340.60	7,570.2	633.9	-417.0	758.8	0.40	-0.32	76.63	
7,737.0	0.80	275.90	7,664.2	634.1	-417.7	759.3	0.81	0.74	-68.83	
7,831.0	0.70	289.30	7,758.2	634.3	-418.9	760.1	0.21	-0.11	14.26	
7,926.0	0.30	264.80	7,853.2	634.5	-419.7	760.7	0.47	-0.42	-25.79	
8,055.0	0.90	280.70	7,982.2	634.7	-421.0	761.6	0.48	0.47	12.33	
8,100.0	0.90	280.70	8,027.2	634.8	-421.7	762.1	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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