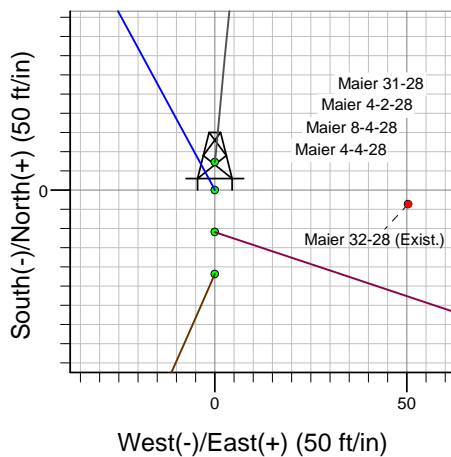
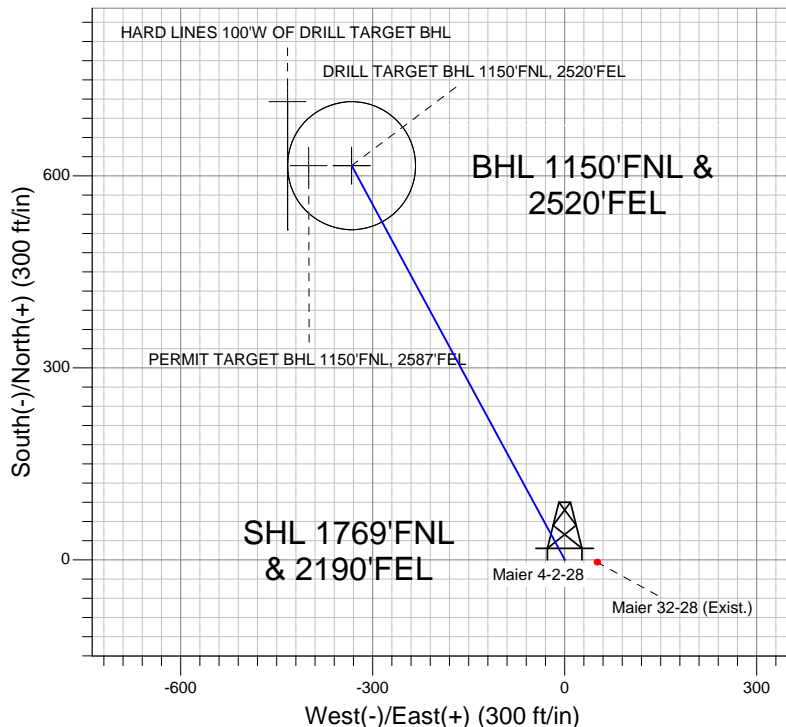
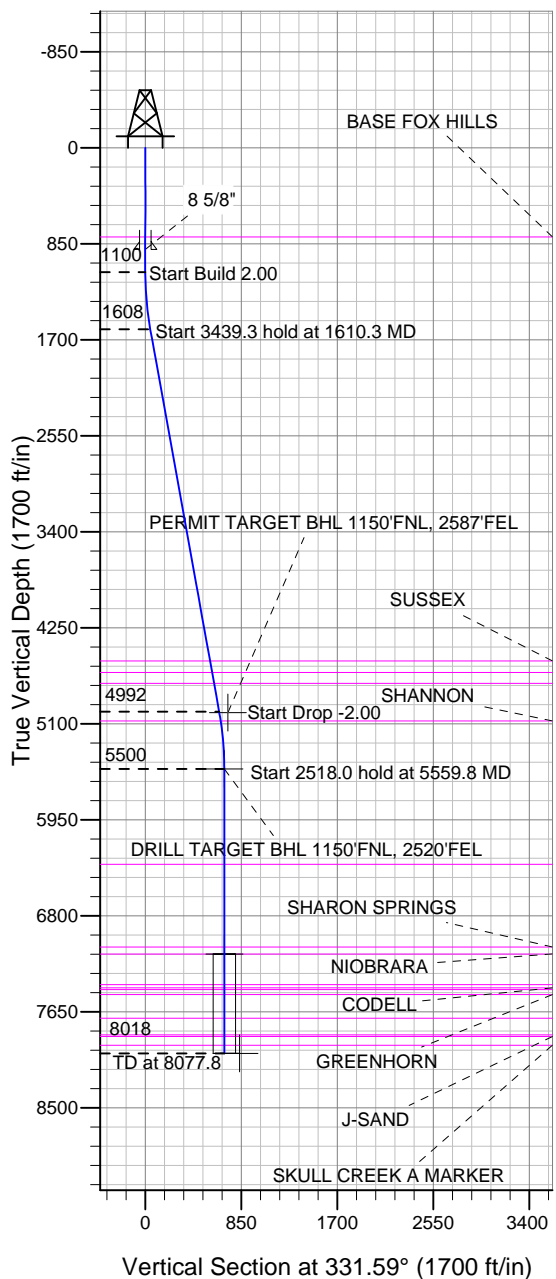


### Well Name: Maier 4-2-28

Surface Location: Maier 31-28 Pad Sec.28-T2N-R66W  
North American Datum 1983, US State Plane 1983 Colorado 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



Maier 31-28 Pad Sec.28-T2N-R66W  
Maier 4-2-28  
Plan #1 (4-02-12)  
12:59, April 04 2012



Azimuths to True North  
Magnetic North: 8.74°  
Magnetic Field  
Strength: 52892.8snT  
Dip Angle: 66.79°  
Date: 4/2/2012  
Model: IGRF2010

### WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PERMIT TARGET BHL 1150'FNL, 2587'FEL	5000.0	615.7	-400.0	40.113220	-104.782070	Point
DRILL TARGET BHL 1150'FNL, 2520'FEL	5500.0	615.7	-333.0	40.113220	-104.781831	Point
TARGET CIRCLE 1150'FNL & 2520'FEL	7139.0	615.7	-333.0	40.113220	-104.781831	Circle (Radius: 100.0)
HARD LINES 100'W OF DRILL TARGET BHL	8018.0	715.7	-433.0	40.113495	-104.782188	Polygon

### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1100.0	0.00	0.00	1100.0	0.0	0.0	0.00	0.00	0.0	
3	1610.3	10.20	331.59	1607.6	39.9	-21.6	2.00	331.59	45.3	
4	5049.5	10.20	331.59	4992.4	575.8	-311.4	0.00	0.00	654.7	
5	5559.8	0.00	0.00	5500.0	615.7	-333.0	2.00	180.00	700.0	DRILL TARGET BHL 1150'FNL, 2520'FEL
6	8077.8	0.00	0.00	8018.0	615.7	-333.0	0.00	0.00	700.0	



# **EnCana Oil & Gas Weld County CO**

**SEC.28-T2N-R66W**

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

**Maier 4-2-28**

**Wellbore #1**

**Plan: Plan #1 (4-02-12)**

## **Standard Planning Report**

**04 April, 2012**

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Project:</b>	SEC.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-02-12)		

<b>Project</b>	SEC.28-T2N-R66W		
<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

Maier 31-28 Pad Sec.28-T2N-R66W					
<b>Site Position:</b>		<b>Northing:</b>	1,284,297.93 ft	<b>Latitude:</b>	40.111550
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,201,199.44 ft	<b>Longitude:</b>	-104.780640
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.46 °

<b>Well</b>	Maier 4-2-28				
<b>Well Position</b>	<b>+N-S</b>	-7.3 ft	<b>Northing:</b>	1,284,290.64 ft	<b>Latitude:</b> 40.111530
	<b>+E-W</b>	0.0 ft	<b>Easting:</b>	3,201,199.50 ft	<b>Longitude:</b> -104.780640
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b> 4,931.0 ft

Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/2/2012	8.74	66.79	52,893

Design	Plan #1 (4-02-12)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	331.59

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,610.3	10.20	331.59	1,607.6	39.9	-21.6	2.00	2.00	0.00	331.59	
5,049.5	10.20	331.59	4,992.4	575.8	-311.4	0.00	0.00	0.00	0.00	
5,559.8	0.00	0.00	5,500.0	615.7	-333.0	2.00	-2.00	0.00	180.00	DRILL TARGET BH
8,077.8	0.00	0.00	8,018.0	615.7	-333.0	0.00	0.00	0.00	0.00	

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Project:</b>	SEC.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-02-12)		

Planned 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
40.0	0.00	0.00	40.0	0.0	0.0	0.0	0.00	0.00	0.00
80.0	0.00	0.00	80.0	0.0	0.0	0.0	0.00	0.00	0.00
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00
160.0	0.00	0.00	160.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
240.0	0.00	0.00	240.0	0.0	0.0	0.0	0.00	0.00	0.00
280.0	0.00	0.00	280.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
360.0	0.00	0.00	360.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
440.0	0.00	0.00	440.0	0.0	0.0	0.0	0.00	0.00	0.00
480.0	0.00	0.00	480.0	0.0	0.0	0.0	0.00	0.00	0.00
520.0	0.00	0.00	520.0	0.0	0.0	0.0	0.00	0.00	0.00
560.0	0.00	0.00	560.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
640.0	0.00	0.00	640.0	0.0	0.0	0.0	0.00	0.00	0.00
680.0	0.00	0.00	680.0	0.0	0.0	0.0	0.00	0.00	0.00
720.0	0.00	0.00	720.0	0.0	0.0	0.0	0.00	0.00	0.00
760.0	0.00	0.00	760.0	0.0	0.0	0.0	0.00	0.00	0.00
789.0	0.00	0.00	789.0	0.0	0.0	0.0	0.00	0.00	0.00
BASE FOX HILLS									
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
840.0	0.00	0.00	840.0	0.0	0.0	0.0	0.00	0.00	0.00
880.0	0.00	0.00	880.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
8 5/8"									
920.0	0.00	0.00	920.0	0.0	0.0	0.0	0.00	0.00	0.00
960.0	0.00	0.00	960.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,040.0	0.00	0.00	1,040.0	0.0	0.0	0.0	0.00	0.00	0.00
1,080.0	0.00	0.00	1,080.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,120.0	0.40	331.59	1,120.0	0.1	0.0	0.1	2.00	2.00	0.00
1,160.0	1.20	331.59	1,160.0	0.6	-0.3	0.6	2.00	2.00	0.00
1,200.0	2.00	331.59	1,200.0	1.5	-0.8	1.7	2.00	2.00	0.00
1,240.0	2.80	331.59	1,239.9	3.0	-1.6	3.4	2.00	2.00	0.00
1,280.0	3.60	331.59	1,279.9	5.0	-2.7	5.7	2.00	2.00	0.00
1,320.0	4.40	331.59	1,319.8	7.4	-4.0	8.4	2.00	2.00	0.00
1,360.0	5.20	331.59	1,359.6	10.4	-5.6	11.8	2.00	2.00	0.00
1,400.0	6.00	331.59	1,399.5	13.8	-7.5	15.7	2.00	2.00	0.00
1,440.0	6.80	331.59	1,439.2	17.7	-9.6	20.2	2.00	2.00	0.00
1,480.0	7.60	331.59	1,478.9	22.1	-12.0	25.2	2.00	2.00	0.00
1,520.0	8.40	331.59	1,518.5	27.0	-14.6	30.7	2.00	2.00	0.00
1,560.0	9.20	331.59	1,558.0	32.4	-17.5	36.9	2.00	2.00	0.00
1,600.0	10.00	331.59	1,597.5	38.3	-20.7	43.5	2.00	2.00	0.00
1,610.3	10.20	331.59	1,607.6	39.9	-21.6	45.3	2.00	2.00	0.00
1,640.0	10.20	331.59	1,636.8	44.5	-24.1	50.6	0.00	0.00	0.00
1,680.0	10.20	331.59	1,676.2	50.7	-27.4	57.7	0.00	0.00	0.00
1,720.0	10.20	331.59	1,715.6	57.0	-30.8	64.8	0.00	0.00	0.00
1,760.0	10.20	331.59	1,754.9	63.2	-34.2	71.9	0.00	0.00	0.00
1,800.0	10.20	331.59	1,794.3	69.4	-37.6	78.9	0.00	0.00	0.00
1,840.0	10.20	331.59	1,833.7	75.7	-40.9	86.0	0.00	0.00	0.00
1,880.0	10.20	331.59	1,873.0	81.9	-44.3	93.1	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Project:</b>	SEC.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-02-12)		

Planned 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)
1,920.0	10.20	331.59	1,912.4	88.1	-47.7	100.2	0.00	0.00	0.00
1,960.0	10.20	331.59	1,951.8	94.4	-51.0	107.3	0.00	0.00	0.00
2,000.0	10.20	331.59	1,991.1	100.6	-54.4	114.4	0.00	0.00	0.00
2,040.0	10.20	331.59	2,030.5	106.8	-57.8	121.5	0.00	0.00	0.00
2,080.0	10.20	331.59	2,069.9	113.1	-61.2	128.5	0.00	0.00	0.00
2,120.0	10.20	331.59	2,109.2	119.3	-64.5	135.6	0.00	0.00	0.00
2,160.0	10.20	331.59	2,148.6	125.5	-67.9	142.7	0.00	0.00	0.00
2,200.0	10.20	331.59	2,188.0	131.8	-71.3	149.8	0.00	0.00	0.00
2,240.0	10.20	331.59	2,227.3	138.0	-74.6	156.9	0.00	0.00	0.00
2,280.0	10.20	331.59	2,266.7	144.2	-78.0	164.0	0.00	0.00	0.00
2,320.0	10.20	331.59	2,306.1	150.5	-81.4	171.1	0.00	0.00	0.00
2,360.0	10.20	331.59	2,345.4	156.7	-84.8	178.2	0.00	0.00	0.00
2,400.0	10.20	331.59	2,384.8	162.9	-88.1	185.2	0.00	0.00	0.00
2,440.0	10.20	331.59	2,424.2	169.2	-91.5	192.3	0.00	0.00	0.00
2,480.0	10.20	331.59	2,463.5	175.4	-94.9	199.4	0.00	0.00	0.00
2,520.0	10.20	331.59	2,502.9	181.6	-98.2	206.5	0.00	0.00	0.00
2,560.0	10.20	331.59	2,542.3	187.9	-101.6	213.6	0.00	0.00	0.00
2,600.0	10.20	331.59	2,581.6	194.1	-105.0	220.7	0.00	0.00	0.00
2,640.0	10.20	331.59	2,621.0	200.3	-108.4	227.8	0.00	0.00	0.00
2,680.0	10.20	331.59	2,660.4	206.6	-111.7	234.8	0.00	0.00	0.00
2,720.0	10.20	331.59	2,699.8	212.8	-115.1	241.9	0.00	0.00	0.00
2,760.0	10.20	331.59	2,739.1	219.0	-118.5	249.0	0.00	0.00	0.00
2,800.0	10.20	331.59	2,778.5	225.3	-121.8	256.1	0.00	0.00	0.00
2,840.0	10.20	331.59	2,817.9	231.5	-125.2	263.2	0.00	0.00	0.00
2,880.0	10.20	331.59	2,857.2	237.7	-128.6	270.3	0.00	0.00	0.00
2,920.0	10.20	331.59	2,896.6	244.0	-132.0	277.4	0.00	0.00	0.00
2,960.0	10.20	331.59	2,936.0	250.2	-135.3	284.5	0.00	0.00	0.00
3,000.0	10.20	331.59	2,975.3	256.4	-138.7	291.5	0.00	0.00	0.00
3,040.0	10.20	331.59	3,014.7	262.7	-142.1	298.6	0.00	0.00	0.00
3,080.0	10.20	331.59	3,054.1	268.9	-145.4	305.7	0.00	0.00	0.00
3,120.0	10.20	331.59	3,093.4	275.1	-148.8	312.8	0.00	0.00	0.00
3,160.0	10.20	331.59	3,132.8	281.4	-152.2	319.9	0.00	0.00	0.00
3,200.0	10.20	331.59	3,172.2	287.6	-155.6	327.0	0.00	0.00	0.00
3,240.0	10.20	331.59	3,211.5	293.8	-158.9	334.1	0.00	0.00	0.00
3,280.0	10.20	331.59	3,250.9	300.1	-162.3	341.2	0.00	0.00	0.00
3,320.0	10.20	331.59	3,290.3	306.3	-165.7	348.2	0.00	0.00	0.00
3,360.0	10.20	331.59	3,329.6	312.5	-169.0	355.3	0.00	0.00	0.00
3,400.0	10.20	331.59	3,369.0	318.8	-172.4	362.4	0.00	0.00	0.00
3,440.0	10.20	331.59	3,408.4	325.0	-175.8	369.5	0.00	0.00	0.00
3,480.0	10.20	331.59	3,447.7	331.2	-179.2	376.6	0.00	0.00	0.00
3,520.0	10.20	331.59	3,487.1	337.5	-182.5	383.7	0.00	0.00	0.00
3,560.0	10.20	331.59	3,526.5	343.7	-185.9	390.8	0.00	0.00	0.00
3,600.0	10.20	331.59	3,565.8	349.9	-189.3	397.8	0.00	0.00	0.00
3,640.0	10.20	331.59	3,605.2	356.2	-192.6	404.9	0.00	0.00	0.00
3,680.0	10.20	331.59	3,644.6	362.4	-196.0	412.0	0.00	0.00	0.00
3,720.0	10.20	331.59	3,683.9	368.6	-199.4	419.1	0.00	0.00	0.00
3,760.0	10.20	331.59	3,723.3	374.9	-202.8	426.2	0.00	0.00	0.00
3,800.0	10.20	331.59	3,762.7	381.1	-206.1	433.3	0.00	0.00	0.00
3,840.0	10.20	331.59	3,802.0	387.3	-209.5	440.4	0.00	0.00	0.00
3,880.0	10.20	331.59	3,841.4	393.6	-212.9	447.5	0.00	0.00	0.00
3,920.0	10.20	331.59	3,880.8	399.8	-216.2	454.5	0.00	0.00	0.00
3,960.0	10.20	331.59	3,920.1	406.0	-219.6	461.6	0.00	0.00	0.00
4,000.0	10.20	331.59	3,959.5	412.3	-223.0	468.7	0.00	0.00	0.00
4,040.0	10.20	331.59	3,998.9	418.5	-226.4	475.8	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Project:</b>	SEC.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-02-12)		

Planned 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)
4,080.0	10.20	331.59	4,038.2	424.7	-229.7	482.9	0.00	0.00	0.00
4,120.0	10.20	331.59	4,077.6	431.0	-233.1	490.0	0.00	0.00	0.00
4,160.0	10.20	331.59	4,117.0	437.2	-236.5	497.1	0.00	0.00	0.00
4,200.0	10.20	331.59	4,156.3	443.4	-239.8	504.1	0.00	0.00	0.00
4,240.0	10.20	331.59	4,195.7	449.7	-243.2	511.2	0.00	0.00	0.00
4,280.0	10.20	331.59	4,235.1	455.9	-246.6	518.3	0.00	0.00	0.00
4,320.0	10.20	331.59	4,274.4	462.1	-250.0	525.4	0.00	0.00	0.00
4,360.0	10.20	331.59	4,313.8	468.4	-253.3	532.5	0.00	0.00	0.00
4,400.0	10.20	331.59	4,353.2	474.6	-256.7	539.6	0.00	0.00	0.00
4,440.0	10.20	331.59	4,392.5	480.8	-260.1	546.7	0.00	0.00	0.00
4,480.0	10.20	331.59	4,431.9	487.1	-263.4	553.8	0.00	0.00	0.00
4,520.0	10.20	331.59	4,471.3	493.3	-266.8	560.8	0.00	0.00	0.00
4,560.0	10.20	331.59	4,510.6	499.5	-270.2	567.9	0.00	0.00	0.00
4,592.9	10.20	331.59	4,543.0	504.7	-272.9	573.8	0.00	0.00	0.00
<b>SUSSEX</b>									
4,600.0	10.20	331.59	4,550.0	505.8	-273.6	575.0	0.00	0.00	0.00
4,640.0	10.20	331.59	4,589.4	512.0	-276.9	582.1	0.00	0.00	0.00
4,680.0	10.20	331.59	4,628.7	518.2	-280.3	589.2	0.00	0.00	0.00
4,696.5	10.20	331.59	4,645.0	520.8	-281.7	592.1	0.00	0.00	0.00
<b>SUSSEX PAY TOP</b>									
4,720.0	10.20	331.59	4,668.1	524.5	-283.7	596.3	0.00	0.00	0.00
4,760.0	10.20	331.59	4,707.5	530.7	-287.0	603.4	0.00	0.00	0.00
4,794.1	10.20	331.59	4,741.0	536.0	-289.9	609.4	0.00	0.00	0.00
<b>SUSSEX MARKER</b>									
4,800.0	10.20	331.59	4,746.8	536.9	-290.4	610.4	0.00	0.00	0.00
4,840.0	10.20	331.59	4,786.2	543.2	-293.8	617.5	0.00	0.00	0.00
4,880.0	10.20	331.59	4,825.6	549.4	-297.1	624.6	0.00	0.00	0.00
4,920.0	10.20	331.59	4,864.9	555.6	-300.5	631.7	0.00	0.00	0.00
4,960.0	10.20	331.59	4,904.3	561.9	-303.9	638.8	0.00	0.00	0.00
5,000.0	10.20	331.59	4,943.7	568.1	-307.3	645.9	0.00	0.00	0.00
5,040.0	10.20	331.59	4,983.0	574.3	-310.6	653.0	0.00	0.00	0.00
5,049.5	10.20	331.59	4,992.4	575.8	-311.4	654.7	0.00	0.00	0.00
5,070.3	9.79	331.59	5,012.8	579.0	-313.2	658.3	2.00	-2.00	0.00
<b>PERMIT TARGET BHL 1150'FNL, 2587'FEL</b>									
5,080.0	9.60	331.59	5,022.4	580.4	-313.9	659.9	2.00	-2.00	0.00
5,120.0	8.80	331.59	5,061.9	586.1	-317.0	666.3	2.00	-2.00	0.00
5,133.2	8.53	331.59	5,075.0	587.8	-317.9	668.3	2.00	-2.00	0.00
<b>SHANNON</b>									
5,160.0	8.00	331.59	5,101.5	591.2	-319.8	672.1	2.00	-2.00	0.00
5,200.0	7.20	331.59	5,141.1	595.9	-322.3	677.4	2.00	-2.00	0.00
5,240.0	6.40	331.59	5,180.9	600.0	-324.5	682.2	2.00	-2.00	0.00
5,280.0	5.60	331.59	5,220.6	603.7	-326.5	686.3	2.00	-2.00	0.00
5,320.0	4.80	331.59	5,260.5	606.9	-328.2	690.0	2.00	-2.00	0.00
5,360.0	4.00	331.59	5,300.4	609.6	-329.7	693.0	2.00	-2.00	0.00
5,400.0	3.20	331.59	5,340.3	611.8	-330.9	695.5	2.00	-2.00	0.00
5,440.0	2.40	331.59	5,380.2	613.5	-331.8	697.5	2.00	-2.00	0.00
5,480.0	1.60	331.59	5,420.2	614.7	-332.5	698.9	2.00	-2.00	0.00
5,520.0	0.80	331.59	5,460.2	615.5	-332.9	699.7	2.00	-2.00	0.00
5,559.8	0.00	0.00	5,500.0	615.7	-333.0	700.0	2.00	-2.00	0.00
<b>DRILL TARGET BHL 1150'FNL, 2520'FEL</b>									
5,560.0	0.00	0.00	5,500.2	615.7	-333.0	700.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,540.2	615.7	-333.0	700.0	0.00	0.00	0.00
5,640.0	0.00	0.00	5,580.2	615.7	-333.0	700.0	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Project:</b>	SEC.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-02-12)		

Planned 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)
5,680.0	0.00	0.00	5,620.2	615.7	-333.0	700.0	0.00	0.00	0.00
5,720.0	0.00	0.00	5,660.2	615.7	-333.0	700.0	0.00	0.00	0.00
5,760.0	0.00	0.00	5,700.2	615.7	-333.0	700.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,740.2	615.7	-333.0	700.0	0.00	0.00	0.00
5,840.0	0.00	0.00	5,780.2	615.7	-333.0	700.0	0.00	0.00	0.00
5,880.0	0.00	0.00	5,820.2	615.7	-333.0	700.0	0.00	0.00	0.00
5,920.0	0.00	0.00	5,860.2	615.7	-333.0	700.0	0.00	0.00	0.00
5,960.0	0.00	0.00	5,900.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,940.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,040.0	0.00	0.00	5,980.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,080.0	0.00	0.00	6,020.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,120.0	0.00	0.00	6,060.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,160.0	0.00	0.00	6,100.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,140.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,240.0	0.00	0.00	6,180.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,280.0	0.00	0.00	6,220.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,320.0	0.00	0.00	6,260.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,360.0	0.00	0.00	6,300.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,340.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,402.8	0.00	0.00	6,343.0	615.7	-333.0	700.0	0.00	0.00	0.00
TEEPEE BUTTES									
6,440.0	0.00	0.00	6,380.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,480.0	0.00	0.00	6,420.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,520.0	0.00	0.00	6,460.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,560.0	0.00	0.00	6,500.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,540.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,640.0	0.00	0.00	6,580.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,680.0	0.00	0.00	6,620.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,720.0	0.00	0.00	6,660.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,760.0	0.00	0.00	6,700.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,740.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,840.0	0.00	0.00	6,780.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,880.0	0.00	0.00	6,820.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,920.0	0.00	0.00	6,860.2	615.7	-333.0	700.0	0.00	0.00	0.00
6,960.0	0.00	0.00	6,900.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,940.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,040.0	0.00	0.00	6,980.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,080.0	0.00	0.00	7,020.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,120.0	0.00	0.00	7,060.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,135.8	0.00	0.00	7,076.0	615.7	-333.0	700.0	0.00	0.00	0.00
SHARON SPRINGS									
7,160.0	0.00	0.00	7,100.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,198.8	0.00	0.00	7,139.0	615.7	-333.0	700.0	0.00	0.00	0.00
NIOBRARA - TARGET CIRCLE 1150'FNL & 2520'FEL									
7,200.0	0.00	0.00	7,140.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,240.0	0.00	0.00	7,180.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,280.0	0.00	0.00	7,220.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,320.0	0.00	0.00	7,260.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,360.0	0.00	0.00	7,300.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,340.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,440.0	0.00	0.00	7,380.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,468.8	0.00	0.00	7,409.0	615.7	-333.0	700.0	0.00	0.00	0.00
FT. HAYES									

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Project:</b>	SEC.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-02-12)		

Planned 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)
7,480.0	0.00	0.00	7,420.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,497.8	0.00	0.00	7,438.0	615.7	-333.0	700.0	0.00	0.00	0.00
<b>CODELL</b>									
7,512.8	0.00	0.00	7,453.0	615.7	-333.0	700.0	0.00	0.00	0.00
<b>FAIRPORT</b>									
7,520.0	0.00	0.00	7,460.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,556.8	0.00	0.00	7,497.0	615.7	-333.0	700.0	0.00	0.00	0.00
<b>GREENHORN</b>									
7,560.0	0.00	0.00	7,500.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,540.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,640.0	0.00	0.00	7,580.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,680.0	0.00	0.00	7,620.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,720.0	0.00	0.00	7,660.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,760.0	0.00	0.00	7,700.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,765.8	0.00	0.00	7,706.0	615.7	-333.0	700.0	0.00	0.00	0.00
<b>GRANEROS</b>									
7,800.0	0.00	0.00	7,740.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,840.0	0.00	0.00	7,780.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,880.0	0.00	0.00	7,820.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,914.8	0.00	0.00	7,855.0	615.7	-333.0	700.0	0.00	0.00	0.00
<b>MOWRY</b>									
7,920.0	0.00	0.00	7,860.2	615.7	-333.0	700.0	0.00	0.00	0.00
7,927.8	0.00	0.00	7,868.0	615.7	-333.0	700.0	0.00	0.00	0.00
<b>J-SAND</b>									
7,960.0	0.00	0.00	7,900.2	615.7	-333.0	700.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,940.2	615.7	-333.0	700.0	0.00	0.00	0.00
8,005.8	0.00	0.00	7,946.0	615.7	-333.0	700.0	0.00	0.00	0.00
<b>SKULL CREEK A MARKER</b>									
8,040.0	0.00	0.00	7,980.2	615.7	-333.0	700.0	0.00	0.00	0.00
8,077.8	0.00	0.00	8,018.0	615.7	-333.0	700.0	0.00	0.00	0.00
<b>HARD LINES 100'W OF DRILL TARGET BHL</b>									

Targets									
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude Longitude
HARD LINES 100'W C	- plan misses target center by 141.4ft at 8077.8ft MD (8018.0 TVD, 615.7 N, -333.0 E)	0.00	0.00	8,018.0	715.7	-433.0	1,285,002.77	3,200,760.72	40.113495 -104.782188
- Polygon									
Point 1				8,018.0	0.0	0.0	1,285,002.77	3,200,760.72	
Point 2				8,018.0	-200.0	0.0	1,284,802.79	3,200,762.34	
PERMIT TARGET BH	- plan misses target center by 95.1ft at 5070.3ft MD (5012.8 TVD, 579.0 N, -313.2 E)	0.00	0.00	5,000.0	615.7	-400.0	1,284,903.01	3,200,794.56	40.113220 -104.782070
- Point									
TARGET CIRCLE 115	- plan hits target center	0.00	0.00	7,139.0	615.7	-333.0	1,284,903.59	3,200,861.53	40.113220 -104.781831
- Circle (radius 100.0)									
DRILL TARGET BHL	- plan hits target center	0.00	0.00	5,500.0	615.7	-333.0	1,284,903.59	3,200,861.53	40.113220 -104.781831
- Point									



<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Project:</b>	SEC.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (4-02-12)		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
900.0	900.0	8 5/8"	8-5/8	12-1/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
789.0	789.0	BASE FOX HILLS		0.00		
4,592.9	4,543.0	SUSSEX		0.00		
4,696.5	4,645.0	SUSSEX PAY TOP		0.00		
4,794.1	4,741.0	SUSSEX MARKER		0.00		
5,133.2	5,075.0	SHANNON		0.00		
6,402.8	6,343.0	TEEPEE BUTTES		0.00		
7,135.8	7,076.0	SHARON SPRINGS		0.00		
7,198.8	7,139.0	NIOBRARA		0.00		
7,468.8	7,409.0	FT. HAYES		0.00		
7,497.8	7,438.0	CODELL		0.00		
7,512.8	7,453.0	FAIRPORT		0.00		
7,556.8	7,497.0	GREENHORN		0.00		
7,765.8	7,706.0	GRANEROS		0.00		
7,914.8	7,855.0	MOWRY		0.00		
7,927.8	7,868.0	J-SAND		0.00		
8,005.8	7,946.0	SKULL CREEK A MARKER		0.00		



# **EnCana Oil & Gas Weld County CO**

**SEC.28-T2N-R66W**

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

**Maier 4-2-28**

**Wellbore #1**

**Plan #1 (4-02-12)**

## **Anticollision Report**

**04 April, 2012**

<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Project:</b>	SEC.28-T2N-R66W	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Reference Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-02-12)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1 (4-02-12)		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.0ft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>	<b>Date</b> 4/4/2012			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	8,077.8	Plan #1 (4-02-12) (Wellbore #1)	MWD	MWD - Standard

<b>Summary</b>						
<b>Site Name</b>	<b>Reference Measured Depth (ft)</b>	<b>Offset Measured Depth (ft)</b>	<b>Distance Between Centres (ft)</b>	<b>Distance Between Ellipses (ft)</b>	<b>Separation Factor</b>	<b>Warning</b>
<b>Offset Well - Wellbore - Design</b>						
Maier 31-28 Pad Sec.28-T2N-R66W						
Maier 31-28 - Wellbore #1 - Plan #1 (4-02-12)	200.0	200.0	7.3	6.6	10.811	CC, ES
Maier 31-28 - Wellbore #1 - Plan #1 (4-02-12)	300.0	299.7	9.0	7.9	8.018	SF
Maier 32-28 (Exist.) - Wellbore #1 - Design #1	1,100.0	1,100.0	50.5	45.8	10.694	CC, ES
Maier 32-28 (Exist.) - Wellbore #1 - Design #1	1,300.0	1,299.8	54.6	48.9	9.724	SF
Maier 4-4-28 - Wellbore #1 - Plan #1 (4-02-12)	1,100.0	1,100.0	21.9	17.1	4.631	CC, ES, SF
Maier 8-4-28 - Wellbore #1 - Plan #1 (4-02-12)	200.0	200.0	10.9	10.3	16.208	CC, ES
Maier 8-4-28 - Wellbore #1 - Plan #1 (4-02-12)	400.0	399.4	14.7	13.1	9.473	SF

Offset Design      Maier 31-28 Pad Sec.28-T2N-R66W - Maier 31-28 - Wellbore #1 - Plan #1 (4-02-12)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	0.00	7.3	0.0	7.3	7.3	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	0.00	7.3	0.0	7.3	7.1	0.22	32.434		
178.9	178.9	178.9	178.9	0.3	0.3	0.00	7.3	0.0	7.3	6.7	0.58	12.584		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	7.3	0.0	7.3	6.6	0.67	10.811 CC, ES		
300.0	300.0	299.7	299.7	0.6	0.6	1.05	9.0	0.2	9.0	7.9	1.13	8.018 SF		
400.0	400.0	399.2	399.0	0.8	0.8	2.67	14.2	0.7	14.2	12.6	1.58	8.979		
500.0	500.0	498.2	497.6	1.0	1.0	3.73	22.7	1.5	22.9	20.8	2.05	11.173		
600.0	600.0	596.4	595.2	1.2	1.3	4.33	34.6	2.6	35.0	32.5	2.52	13.873		
700.0	700.0	693.8	691.3	1.5	1.6	4.68	49.5	4.1	50.5	47.5	3.01	16.790		
800.0	800.0	790.0	785.8	1.7	2.0	4.89	67.6	5.8	69.3	65.8	3.50	19.780		
900.0	900.0	884.9	878.4	1.9	2.4	5.03	88.4	7.8	91.3	87.3	4.01	22.761		
1,000.0	1,000.0	981.2	971.8	2.1	2.8	5.13	111.7	10.0	115.6	111.1	4.54	25.491		
1,100.0	1,100.0	1,078.2	1,065.8	2.4	3.3	5.19	135.3	12.3	140.0	135.0	5.06	27.651		
1,200.0	1,200.0	1,175.5	1,160.2	2.6	3.7	33.72	158.9	14.5	163.0	157.7	5.35	30.484		
1,300.0	1,299.8	1,273.4	1,255.2	2.8	4.2	34.41	182.7	16.8	183.2	177.4	5.83	31.446		
1,400.0	1,399.5	1,371.7	1,350.6	3.0	4.7	35.53	206.5	19.1	200.6	194.3	6.32	31.766		
1,500.0	1,498.7	1,470.5	1,446.3	3.3	5.2	37.02	230.5	21.4	215.4	208.5	6.82	31.579		
1,600.0	1,597.5	1,569.4	1,542.2	3.6	5.7	38.87	254.5	23.7	227.6	220.2	7.35	30.974		
1,700.0	1,695.9	1,668.4	1,638.3	3.8	6.2	40.98	278.6	26.0	238.5	230.6	7.91	30.137		
1,800.0	1,794.3	1,767.5	1,734.3	4.2	6.7	42.92	302.6	28.3	249.6	241.1	8.50	29.361		
1,900.0	1,892.7	1,866.5	1,830.4	4.5	7.1	44.69	326.7	30.6	261.1	252.0	9.11	28.646		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Project:</b>	SEC.28-T2N-R66W	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Reference Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-02-12)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0ft
Survey Program: 0-MWD												Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
2,000.0	1,991.1	1,965.5	1,926.4	4.8	7.6	46.31	350.7	33.0	272.7	263.0	9.75	27.988	
2,100.0	2,089.6	2,064.6	2,022.4	5.2	8.1	47.80	374.8	35.3	284.6	274.2	10.39	27.383	
2,200.0	2,188.0	2,163.6	2,118.5	5.5	8.6	49.16	398.8	37.6	296.6	285.6	11.06	26.826	
2,300.0	2,286.4	2,262.6	2,214.5	5.9	9.1	50.43	422.9	39.9	308.8	297.1	11.74	26.314	
2,400.0	2,384.8	2,361.7	2,310.6	6.2	9.6	51.59	446.9	42.2	321.2	308.7	12.43	25.844	
2,500.0	2,483.2	2,460.7	2,406.6	6.6	10.1	52.67	471.0	44.5	333.6	320.5	13.13	25.411	
2,600.0	2,581.6	2,559.7	2,502.7	7.0	10.6	53.67	495.0	46.8	346.2	332.3	13.84	25.013	
2,700.0	2,680.1	2,658.8	2,598.7	7.4	11.1	54.60	519.1	49.1	358.8	344.3	14.56	24.646	
2,800.0	2,778.5	2,757.8	2,694.7	7.7	11.6	55.47	543.1	51.4	371.6	356.3	15.29	24.307	
2,900.0	2,876.9	2,856.8	2,790.8	8.1	12.1	56.28	567.2	53.7	384.4	368.4	16.02	23.994	
3,000.0	2,975.3	2,955.9	2,886.8	8.5	12.6	57.04	591.2	56.0	397.3	380.5	16.76	23.705	
3,100.0	3,073.7	3,054.9	2,982.9	8.9	13.1	57.75	615.3	58.3	410.2	392.7	17.50	23.437	
3,200.0	3,172.2	3,153.9	3,078.9	9.3	13.6	58.42	639.3	60.6	423.2	405.0	18.25	23.187	
3,300.0	3,270.6	3,253.0	3,174.9	9.7	14.1	59.05	663.4	63.0	436.3	417.3	19.01	22.956	
3,400.0	3,369.0	3,352.0	3,271.0	10.0	14.6	59.64	687.4	65.3	449.4	429.7	19.76	22.740	
3,500.0	3,467.4	3,451.0	3,367.0	10.4	15.1	60.19	711.5	67.6	462.6	442.1	20.52	22.539	
3,600.0	3,565.8	3,550.1	3,463.1	10.8	15.6	60.72	735.5	69.9	475.8	454.5	21.29	22.351	
3,700.0	3,664.2	3,649.1	3,559.1	11.2	16.1	61.22	759.6	72.2	489.0	467.0	22.05	22.175	
3,800.0	3,762.7	3,748.1	3,655.1	11.6	16.6	61.69	783.6	74.5	502.3	479.5	22.82	22.010	
3,900.0	3,861.1	3,847.2	3,751.2	12.0	17.1	62.14	807.7	76.8	515.6	492.0	23.59	21.855	
4,000.0	3,959.5	3,946.2	3,847.2	12.4	17.6	62.56	831.7	79.1	528.9	504.6	24.36	21.709	
4,100.0	4,057.9	4,045.2	3,943.3	12.8	18.1	62.97	855.7	81.4	542.3	517.2	25.14	21.572	
4,200.0	4,156.3	4,144.3	4,039.3	13.2	18.6	63.35	879.8	83.7	555.7	529.8	25.91	21.443	
4,300.0	4,254.8	4,243.3	4,135.3	13.6	19.0	63.72	903.8	86.0	569.1	542.4	26.69	21.321	
4,400.0	4,353.2	4,342.3	4,231.4	13.9	19.5	64.07	927.9	88.3	582.5	555.1	27.47	21.205	
4,500.0	4,451.6	4,441.4	4,327.4	14.3	20.0	64.40	951.9	90.6	596.0	567.7	28.25	21.096	
4,600.0	4,550.0	4,540.4	4,423.5	14.7	20.5	64.72	976.0	93.0	609.5	580.4	29.03	20.992	
4,700.0	4,648.4	4,639.4	4,519.5	15.1	21.0	65.03	1,000.0	95.3	622.9	593.1	29.81	20.894	
4,800.0	4,746.8	4,738.5	4,615.5	15.5	21.5	65.32	1,024.1	97.6	636.4	605.9	30.60	20.801	
4,900.0	4,845.3	4,837.5	4,711.6	15.9	22.0	65.60	1,048.1	99.9	650.0	618.6	31.38	20.712	
5,000.0	4,943.7	4,936.5	4,807.6	16.3	22.5	65.87	1,072.2	102.2	663.5	631.3	32.17	20.627	
5,100.0	5,042.2	5,035.5	4,903.7	16.7	23.0	66.22	1,096.2	104.5	677.2	644.3	32.93	20.565	
5,200.0	5,141.1	5,134.4	4,999.5	17.0	23.5	66.48	1,120.2	106.8	692.2	658.6	33.57	20.619	
5,300.0	5,240.6	5,258.4	5,120.4	17.2	24.0	66.51	1,147.8	109.4	706.8	672.6	34.13	20.706	
5,400.0	5,340.3	5,383.9	5,243.8	17.4	24.4	66.43	1,170.4	111.6	719.1	684.6	34.59	20.793	
5,500.0	5,440.2	5,510.3	5,368.9	17.6	24.7	66.22	1,187.7	113.3	729.2	694.3	34.94	20.871	
5,600.0	5,540.2	5,637.4	5,495.6	17.7	25.0	37.46	1,199.5	114.4	736.9	701.7	35.21	20.930	
5,700.0	5,640.2	5,765.4	5,623.3	17.8	25.2	37.21	1,205.8	115.0	741.1	705.6	35.50	20.874	
5,800.0	5,740.2	5,882.2	5,740.2	18.0	25.3	37.17	1,206.8	115.1	741.7	705.9	35.81	20.716	
5,900.0	5,840.2	5,982.2	5,840.2	18.1	25.4	37.17	1,206.8	115.1	741.7	705.6	36.11	20.541	
6,000.0	5,940.2	6,082.2	5,940.2	18.3	25.5	37.17	1,206.8	115.1	741.7	705.3	36.42	20.366	
6,100.0	6,040.2	6,182.2	6,040.2	18.5	25.7	37.17	1,206.8	115.1	741.7	705.0	36.73	20.193	
6,200.0	6,140.2	6,282.2	6,140.2	18.6	25.8	37.17	1,206.8	115.1	741.7	704.7	37.05	20.021	
6,300.0	6,240.2	6,382.2	6,240.2	18.8	25.9	37.17	1,206.8	115.1	741.7	704.4	37.37	19.850	
6,400.0	6,340.2	6,482.2	6,340.2	18.9	26.0	37.17	1,206.8	115.1	741.7	704.1	37.69	19.681	
6,500.0	6,440.2	6,582.2	6,440.2	19.1	26.1	37.17	1,206.8	115.1	741.7	703.7	38.01	19.514	
6,600.0	6,540.2	6,682.2	6,540.2	19.3	26.2	37.17	1,206.8	115.1	741.7	703.4	38.34	19.348	
6,700.0	6,640.2	6,782.2	6,640.2	19.4	26.3	37.17	1,206.8	115.1	741.7	703.1	38.67	19.184	
6,800.0	6,740.2	6,882.2	6,740.2	19.6	26.4	37.17	1,206.8	115.1	741.7	702.7	39.00	19.021	
6,900.0	6,840.2	6,982.2	6,840.2	19.8	26.6	37.17	1,206.8	115.1	741.7	702.4	39.33	18.860	
7,000.0	6,940.2	7,082.2	6,940.2	19.9	26.7	37.17	1,206.8	115.1	741.7	702.1	39.66	18.700	
7,100.0	7,040.2	7,182.2	7,040.2	20.1	26.8	37.17	1,206.8	115.1	741.7	701.7	40.00	18.542	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Project:</b>	SEC.28-T2N-R66W	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Reference Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-02-12)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Maier 31-28 Pad Sec.28-T2N-R66W - Maier 31-28 - Wellbore #1 - Plan #1 (4-02-12)												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,200.0	7,140.2	7,282.2	7,140.2	20.3	26.9	37.17	1,206.8	115.1	741.7	701.4	40.34	18.386	
7,300.0	7,240.2	7,382.2	7,240.2	20.4	27.1	37.17	1,206.8	115.1	741.7	701.1	40.68	18.232	
7,400.0	7,340.2	7,482.2	7,340.2	20.6	27.2	37.17	1,206.8	115.1	741.7	700.7	41.03	18.079	
7,500.0	7,440.2	7,582.2	7,440.2	20.8	27.3	37.17	1,206.8	115.1	741.7	700.4	41.37	17.928	
7,600.0	7,540.2	7,682.2	7,540.2	20.9	27.4	37.17	1,206.8	115.1	741.7	700.0	41.72	17.778	
7,700.0	7,640.2	7,782.2	7,640.2	21.1	27.6	37.17	1,206.8	115.1	741.7	699.7	42.07	17.630	
7,800.0	7,740.2	7,882.2	7,740.2	21.3	27.7	37.17	1,206.8	115.1	741.7	699.3	42.42	17.484	
7,900.0	7,840.2	7,982.2	7,840.2	21.5	27.8	37.17	1,206.8	115.1	741.7	699.0	42.78	17.339	
8,000.0	7,940.2	8,082.2	7,940.2	21.7	28.0	37.17	1,206.8	115.1	741.7	698.6	43.13	17.196	
8,051.5	7,991.7	8,133.8	7,991.7	21.7	28.0	37.17	1,206.8	115.1	741.7	698.4	43.32	17.123	
8,077.8	8,018.0	8,159.0	8,017.0	21.8	28.1	37.17	1,206.8	115.1	741.7	698.3	43.41	17.087	

<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Project:</b>	SEC.28-T2N-R66W	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Reference Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-02-12)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Tooface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	94.14	-3.6	50.3	50.5					
100.0	100.0	100.0	100.0	0.1	0.1	94.14	-3.6	50.3	50.5	50.3	0.22	224.584		
200.0	200.0	200.0	200.0	0.3	0.3	94.14	-3.6	50.3	50.5	49.8	0.67	74.861		
300.0	300.0	300.0	300.0	0.6	0.6	94.14	-3.6	50.3	50.5	49.4	1.12	44.917		
400.0	400.0	400.0	400.0	0.8	0.8	94.14	-3.6	50.3	50.5	48.9	1.57	32.083		
500.0	500.0	500.0	500.0	1.0	1.0	94.14	-3.6	50.3	50.5	48.5	2.02	24.954		
600.0	600.0	600.0	600.0	1.2	1.2	94.14	-3.6	50.3	50.5	48.0	2.47	20.417		
700.0	700.0	700.0	700.0	1.5	1.5	94.14	-3.6	50.3	50.5	47.6	2.92	17.276		
800.0	800.0	800.0	800.0	1.7	1.7	94.14	-3.6	50.3	50.5	47.1	3.37	14.972		
900.0	900.0	900.0	900.0	1.9	1.9	94.14	-3.6	50.3	50.5	46.7	3.82	13.211		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	94.14	-3.6	50.3	50.5	46.2	4.27	11.820		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	94.14	-3.6	50.3	50.5	45.8	4.72	10.694 CC, ES		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	124.17	-3.6	50.3	51.4	46.3	5.17	9.956		
1,300.0	1,299.8	1,299.8	1,299.8	2.8	2.8	128.67	-3.6	50.3	54.6	48.9	5.61	9.724 SF		
1,400.0	1,399.5	1,399.5	1,399.5	3.0	3.0	135.04	-3.6	50.3	60.4	54.3	6.05	9.979		
1,500.0	1,498.7	1,498.7	1,498.7	3.3	3.3	142.02	-3.6	50.3	69.6	63.1	6.49	10.719		
1,600.0	1,597.5	1,597.5	1,597.5	3.6	3.5	148.56	-3.6	50.3	82.5	75.6	6.92	11.917		
1,700.0	1,695.9	1,695.9	1,695.9	3.8	3.7	153.93	-3.6	50.3	98.1	90.7	7.37	13.309		
1,800.0	1,794.3	1,794.3	1,794.3	4.2	3.9	157.83	-3.6	50.3	114.3	106.5	7.82	14.613		
1,900.0	1,892.7	1,892.7	1,892.7	4.5	4.1	160.75	-3.6	50.3	130.9	122.6	8.28	15.817		
2,000.0	1,991.1	1,991.1	1,991.1	4.8	4.4	163.01	-3.6	50.3	147.8	139.1	8.73	16.921		
2,100.0	2,089.6	2,089.6	2,089.6	5.2	4.6	164.81	-3.6	50.3	164.8	155.6	9.19	17.931		
2,200.0	2,188.0	2,188.0	2,188.0	5.5	4.8	166.27	-3.6	50.3	182.0	172.4	9.65	18.856		
2,300.0	2,286.4	2,286.4	2,286.4	5.9	5.0	167.48	-3.6	50.3	199.3	189.2	10.11	19.703		
2,400.0	2,384.8	2,384.8	2,384.8	6.2	5.2	168.49	-3.6	50.3	216.6	206.0	10.58	20.480		
2,500.0	2,483.2	2,483.2	2,483.2	6.6	5.5	169.36	-3.6	50.3	234.0	223.0	11.04	21.196		
2,600.0	2,581.6	2,581.6	2,581.6	7.0	5.7	170.10	-3.6	50.3	251.5	240.0	11.51	21.856		
2,700.0	2,680.1	2,680.1	2,680.1	7.4	5.9	170.75	-3.6	50.3	268.9	257.0	11.97	22.466		
2,800.0	2,778.5	2,778.5	2,778.5	7.7	6.1	171.32	-3.6	50.3	286.4	274.0	12.44	23.031		
2,900.0	2,876.9	2,876.9	2,876.9	8.1	6.4	171.83	-3.6	50.3	304.0	291.1	12.90	23.556		
3,000.0	2,975.3	2,975.3	2,975.3	8.5	6.6	172.27	-3.6	50.3	321.5	308.2	13.37	24.045		
3,100.0	3,073.7	3,073.7	3,073.7	8.9	6.8	172.68	-3.6	50.3	339.1	325.3	13.84	24.501		
3,200.0	3,172.2	3,172.2	3,172.2	9.3	7.0	173.04	-3.6	50.3	356.7	342.4	14.31	24.927		
3,300.0	3,270.6	3,270.6	3,270.6	9.7	7.2	173.37	-3.6	50.3	374.3	359.5	14.78	25.326		
3,400.0	3,369.0	3,369.0	3,369.0	10.0	7.5	173.67	-3.6	50.3	391.9	376.6	15.25	25.700		
3,500.0	3,467.4	3,467.4	3,467.4	10.4	7.7	173.94	-3.6	50.3	409.5	393.8	15.72	26.053		
3,600.0	3,565.8	3,565.8	3,565.8	10.8	7.9	174.19	-3.6	50.3	427.1	410.9	16.19	26.384		
3,700.0	3,664.2	3,664.2	3,664.2	11.2	8.1	174.42	-3.6	50.3	444.8	428.1	16.66	26.697		
3,800.0	3,762.7	3,762.7	3,762.7	11.6	8.3	174.64	-3.6	50.3	462.4	445.3	17.13	26.992		
3,900.0	3,861.1	3,861.1	3,861.1	12.0	8.6	174.83	-3.6	50.3	480.0	462.4	17.60	27.272		
4,000.0	3,959.5	3,959.5	3,959.5	12.4	8.8	175.02	-3.6	50.3	497.7	479.6	18.07	27.536		
4,100.0	4,057.9	4,057.9	4,057.9	12.8	9.0	175.19	-3.6	50.3	515.3	496.8	18.55	27.787		
4,200.0	4,156.3	4,156.3	4,156.3	13.2	9.2	175.35	-3.6	50.3	533.0	514.0	19.02	28.026		
4,300.0	4,254.8	4,254.8	4,254.8	13.6	9.5	175.50	-3.6	50.3	550.7	531.2	19.49	28.253		
4,400.0	4,353.2	4,353.2	4,353.2	13.9	9.7	175.64	-3.6	50.3	568.3	548.4	19.96	28.469		
4,500.0	4,451.6	4,451.6	4,451.6	14.3	9.9	175.77	-3.6	50.3	586.0	565.6	20.44	28.675		
4,600.0	4,550.0	4,550.0	4,550.0	14.7	10.1	175.89	-3.6	50.3	603.7	582.8	20.91	28.871		
4,700.0	4,648.4	4,648.4	4,648.4	15.1	10.3	176.01	-3.6	50.3	621.3	600.0	21.38	29.059		
4,800.0	4,746.8	4,746.8	4,746.8	15.5	10.6	176.12	-3.6	50.3	639.0	617.2	21.86	29.238		
4,900.0	4,845.3	4,845.3	4,845.3	15.9	10.8	176.23	-3.6	50.3	656.7	634.4	22.33	29.409		
5,000.0	4,943.7	4,943.7	4,943.7	16.3	11.0	176.32	-3.6	50.3	674.4	651.6	22.80	29.574		
5,100.0	5,042.2	5,042.2	5,042.2	16.7	11.2	176.43	-3.6	50.3	691.6	668.3	23.30	29.688		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Project:</b>	SEC.28-T2N-R66W	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Reference Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-02-12)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Maier 31-28 Pad Sec.28-T2N-R66W - Maier 32-28 (Exist.) - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,141.1	5,141.1	5,141.1	17.0	11.4	176.52	-3.6	50.3	705.9	682.1	23.76	29.705	
5,300.0	5,240.6	5,240.6	5,240.6	17.2	11.7	176.58	-3.6	50.3	716.6	692.4	24.20	29.616	
5,400.0	5,340.3	5,340.3	5,340.3	17.4	11.9	176.63	-3.6	50.3	723.9	699.3	24.60	29.427	
5,500.0	5,440.2	5,440.2	5,440.2	17.6	12.1	176.65	-3.6	50.3	727.8	702.8	24.97	29.143	
5,600.0	5,540.2	5,540.2	5,540.2	17.7	12.3	148.24	-3.6	50.3	728.4	703.0	25.34	28.742	
5,700.0	5,640.2	5,640.2	5,640.2	17.8	12.6	148.24	-3.6	50.3	728.4	702.6	25.77	28.264	
5,800.0	5,740.2	5,740.2	5,740.2	18.0	12.8	148.24	-3.6	50.3	728.4	702.2	26.20	27.801	
5,900.0	5,840.2	5,840.2	5,840.2	18.1	13.0	148.24	-3.6	50.3	728.4	701.8	26.63	27.352	
6,000.0	5,940.2	5,940.2	5,940.2	18.3	13.2	148.24	-3.6	50.3	728.4	701.3	27.06	26.917	
6,100.0	6,040.2	6,040.2	6,040.2	18.5	13.5	148.24	-3.6	50.3	728.4	700.9	27.49	26.495	
6,200.0	6,140.2	6,140.2	6,140.2	18.6	13.7	148.24	-3.6	50.3	728.4	700.5	27.92	26.085	
6,300.0	6,240.2	6,240.2	6,240.2	18.8	13.9	148.24	-3.6	50.3	728.4	700.0	28.36	25.688	
6,400.0	6,340.2	6,340.2	6,340.2	18.9	14.1	148.24	-3.6	50.3	728.4	699.6	28.79	25.302	
6,500.0	6,440.2	6,440.2	6,440.2	19.1	14.4	148.24	-3.6	50.3	728.4	699.2	29.22	24.927	
6,600.0	6,540.2	6,540.2	6,540.2	19.3	14.6	148.24	-3.6	50.3	728.4	698.7	29.65	24.562	
6,700.0	6,640.2	6,640.2	6,640.2	19.4	14.8	148.24	-3.6	50.3	728.4	698.3	30.09	24.208	
6,800.0	6,740.2	6,740.2	6,740.2	19.6	15.0	148.24	-3.6	50.3	728.4	697.9	30.52	23.863	
6,900.0	6,840.2	6,840.2	6,840.2	19.8	15.3	148.24	-3.6	50.3	728.4	697.4	30.96	23.528	
7,000.0	6,940.2	6,940.2	6,940.2	19.9	15.5	148.24	-3.6	50.3	728.4	697.0	31.39	23.202	
7,100.0	7,040.2	7,040.2	7,040.2	20.1	15.7	148.24	-3.6	50.3	728.4	696.6	31.83	22.884	
7,200.0	7,140.2	7,140.2	7,140.2	20.3	15.9	148.24	-3.6	50.3	728.4	696.1	32.27	22.575	
7,300.0	7,240.2	7,240.2	7,240.2	20.4	16.2	148.24	-3.6	50.3	728.4	695.7	32.70	22.273	
7,400.0	7,340.2	7,340.2	7,340.2	20.6	16.4	148.24	-3.6	50.3	728.4	695.2	33.14	21.980	
7,500.0	7,440.2	7,440.2	7,440.2	20.8	16.6	148.24	-3.6	50.3	728.4	694.8	33.58	21.694	
7,600.0	7,540.2	7,540.2	7,540.2	20.9	16.8	148.24	-3.6	50.3	728.4	694.4	34.01	21.415	
7,700.0	7,640.2	7,640.2	7,640.2	21.1	17.1	148.24	-3.6	50.3	728.4	693.9	34.45	21.143	
7,800.0	7,740.2	7,740.2	7,740.2	21.3	17.3	148.24	-3.6	50.3	728.4	693.5	34.89	20.877	
7,900.0	7,840.2	7,840.2	7,840.2	21.5	17.5	148.24	-3.6	50.3	728.4	693.1	35.33	20.618	
8,000.0	7,940.2	7,940.2	7,940.2	21.7	17.7	148.24	-3.6	50.3	728.4	692.6	35.77	20.365	
8,044.1	7,984.3	7,984.3	7,984.3	21.7	17.8	148.24	-3.6	50.3	728.4	692.4	35.96	20.256	
8,077.8	8,018.0	8,000.0	8,000.0	21.8	17.9	148.24	-3.6	50.3	728.6	692.5	36.07	20.202	

<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Project:</b>	SEC.28-T2N-R66W	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Reference Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-02-12)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-21.9	0.0	21.9					
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-21.9	0.0	21.9	21.6	0.22	97.246		
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-21.9	0.0	21.9	21.2	0.67	32.415		
300.0	300.0	300.0	300.0	0.6	0.6	180.00	-21.9	0.0	21.9	20.7	1.12	19.449		
400.0	400.0	400.0	400.0	0.8	0.8	180.00	-21.9	0.0	21.9	20.3	1.57	13.892		
500.0	500.0	500.0	500.0	1.0	1.0	180.00	-21.9	0.0	21.9	19.8	2.02	10.805		
600.0	600.0	600.0	600.0	1.2	1.2	180.00	-21.9	0.0	21.9	19.4	2.47	8.841		
700.0	700.0	700.0	700.0	1.5	1.5	180.00	-21.9	0.0	21.9	18.9	2.92	7.480		
800.0	800.0	800.0	800.0	1.7	1.7	180.00	-21.9	0.0	21.9	18.5	3.37	6.483		
900.0	900.0	900.0	900.0	1.9	1.9	180.00	-21.9	0.0	21.9	18.0	3.82	5.720		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	180.00	-21.9	0.0	21.9	17.6	4.27	5.118		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	180.00	-21.9	0.0	21.9	17.1	4.72	4.631	CC, ES, SF	
1,200.0	1,200.0	1,199.2	1,199.2	2.6	2.6	-151.86	-23.4	-0.7	25.0	19.8	5.14	4.859		
1,300.0	1,299.8	1,297.8	1,297.7	2.8	2.7	-152.36	-28.1	-2.8	34.3	28.8	5.54	6.193		
1,400.0	1,399.5	1,395.3	1,394.8	3.0	2.9	-152.74	-35.8	-6.1	49.8	43.9	5.95	8.371		
1,500.0	1,498.7	1,491.2	1,489.9	3.3	3.1	-152.94	-46.3	-10.8	71.4	65.0	6.37	11.207		
1,600.0	1,597.5	1,584.8	1,582.5	3.6	3.3	-153.00	-59.3	-16.5	98.8	92.0	6.79	14.548		
1,700.0	1,695.9	1,676.3	1,672.4	3.8	3.6	-152.97	-74.7	-23.3	130.8	123.6	7.24	18.064		
1,800.0	1,794.3	1,769.6	1,763.7	4.2	3.9	-152.64	-92.2	-31.0	164.7	157.0	7.71	21.358		
1,900.0	1,892.7	1,863.7	1,855.8	4.5	4.2	-152.42	-110.0	-38.9	198.6	190.4	8.18	24.266		
2,000.0	1,991.1	1,957.8	1,947.9	4.8	4.6	-152.26	-127.7	-46.7	232.5	223.8	8.67	26.825		
2,100.0	2,089.6	2,051.8	2,039.9	5.2	4.9	-152.14	-145.4	-54.5	266.4	257.2	9.17	29.064		
2,200.0	2,188.0	2,145.9	2,132.0	5.5	5.3	-152.05	-163.1	-62.3	300.3	290.6	9.67	31.062		
2,300.0	2,286.4	2,240.0	2,224.0	5.9	5.6	-151.98	-180.8	-70.1	334.2	324.0	10.18	32.835		
2,400.0	2,384.8	2,334.1	2,316.1	6.2	6.0	-151.92	-198.6	-77.9	368.1	357.4	10.69	34.419		
2,500.0	2,483.2	2,428.1	2,408.2	6.6	6.4	-151.87	-216.3	-85.7	402.0	390.8	11.22	35.840		
2,600.0	2,581.6	2,522.2	2,500.2	7.0	6.8	-151.83	-234.0	-93.6	435.9	424.2	11.74	37.119		
2,700.0	2,680.1	2,616.3	2,592.3	7.4	7.2	-151.79	-251.7	-101.4	469.8	457.6	12.27	38.276		
2,800.0	2,778.5	2,710.4	2,684.3	7.7	7.6	-151.76	-269.4	-109.2	503.7	490.9	12.81	39.326		
2,900.0	2,876.9	2,804.4	2,776.4	8.1	8.0	-151.73	-287.2	-117.0	537.7	524.3	13.35	40.283		
3,000.0	2,975.3	2,898.5	2,868.5	8.5	8.4	-151.71	-304.9	-124.8	571.6	557.7	13.89	41.157		
3,100.0	3,073.7	2,992.6	2,960.5	8.9	8.8	-151.69	-322.6	-132.6	605.5	591.0	14.43	41.958		
3,200.0	3,172.2	3,086.7	3,052.6	9.3	9.2	-151.67	-340.3	-140.5	639.4	624.4	14.98	42.695		
3,300.0	3,270.6	3,180.7	3,144.6	9.7	9.6	-151.65	-358.0	-148.3	673.3	657.8	15.52	43.374		
3,400.0	3,369.0	3,274.8	3,236.7	10.0	10.0	-151.64	-375.8	-156.1	707.2	691.1	16.07	44.002		
3,500.0	3,467.4	3,368.9	3,328.8	10.4	10.5	-151.62	-393.5	-163.9	741.1	724.5	16.62	44.584		
3,600.0	3,565.8	3,463.0	3,420.8	10.8	10.9	-151.61	-411.2	-171.7	775.0	757.8	17.17	45.125		
3,700.0	3,664.2	3,557.0	3,512.9	11.2	11.3	-151.60	-428.9	-179.5	808.9	791.2	17.73	45.629		
3,800.0	3,762.7	3,651.1	3,604.9	11.6	11.7	-151.59	-446.6	-187.3	842.8	824.6	18.28	46.100		
3,900.0	3,861.1	3,745.2	3,697.0	12.0	12.1	-151.58	-464.3	-195.2	876.7	857.9	18.84	46.539		
4,000.0	3,959.5	3,839.3	3,789.1	12.4	12.5	-151.57	-482.1	-203.0	910.7	891.3	19.40	46.951		
4,100.0	4,057.9	3,933.3	3,881.1	12.8	13.0	-151.56	-499.8	-210.8	944.6	924.6	19.95	47.338		
4,200.0	4,156.3	4,027.4	3,973.2	13.2	13.4	-151.55	-517.5	-218.6	978.5	958.0	20.51	47.701		
4,300.0	4,254.8	4,121.5	4,065.2	13.6	13.8	-151.55	-535.2	-226.4	1,012.4	991.3	21.07	48.044		
4,400.0	4,353.2	4,215.6	4,157.3	13.9	14.2	-151.54	-552.9	-234.2	1,046.3	1,024.7	21.63	48.367		
4,500.0	4,451.6	4,309.6	4,249.4	14.3	14.6	-151.53	-570.7	-242.0	1,080.2	1,058.0	22.19	48.672		
4,600.0	4,550.0	4,403.7	4,341.4	14.7	15.1	-151.53	-588.4	-249.9	1,114.1	1,091.4	22.76	48.960		
4,700.0	4,648.4	4,497.8	4,433.5	15.1	15.5	-151.52	-606.1	-257.7	1,148.0	1,124.7	23.32	49.234		
4,800.0	4,746.8	4,591.9	4,525.5	15.5	15.9	-151.52	-623.8	-265.5	1,181.9	1,158.1	23.88	49.493		
4,900.0	4,845.3	4,685.9	4,617.6	15.9	16.3	-151.51	-641.5	-273.3	1,215.8	1,191.4	24.44	49.739		
5,000.0	4,943.7	4,780.0	4,709.7	16.3	16.7	-151.51	-659.3	-281.1	1,249.8	1,224.7	25.01	49.973		
5,100.0	5,042.2	4,874.2	4,801.8	16.7	17.2	-151.66	-677.0	-288.9	1,283.3	1,257.7	25.61	50.109		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Project:</b>	SEC.28-T2N-R66W	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Reference Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-02-12)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Maier 31-28 Pad Sec.28-T2N-R66W - Maier 4-4-28 - Wellbore #1 - Plan #1 (4-02-12)												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,200.0	5,141.1	4,969.3	4,894.9	17.0	17.6	-151.89	-694.9	-296.8	1,314.3	1,288.1	26.19	50.179	
5,300.0	5,240.6	5,065.2	4,988.7	17.2	18.0	-152.01	-713.0	-304.8	1,342.3	1,315.6	26.74	50.194	
5,400.0	5,340.3	5,219.4	5,140.2	17.4	18.5	-151.95	-739.3	-316.4	1,365.9	1,338.5	27.35	49.935	
5,500.0	5,440.2	5,395.1	5,314.4	17.6	19.0	-151.83	-760.2	-325.6	1,381.1	1,353.2	27.92	49.460	
5,600.0	5,540.2	5,573.8	5,492.6	17.7	19.3	179.90	-771.4	-330.6	1,387.9	1,359.5	28.42	48.833	
5,700.0	5,640.2	5,721.4	5,640.2	17.8	19.5	179.93	-773.3	-331.4	1,389.0	1,360.1	28.86	48.122	
5,800.0	5,740.2	5,821.4	5,740.2	18.0	19.6	179.93	-773.3	-331.4	1,389.0	1,359.7	29.21	47.545	
5,900.0	5,840.2	5,921.4	5,840.2	18.1	19.7	179.93	-773.3	-331.4	1,389.0	1,359.4	29.57	46.977	
6,000.0	5,940.2	6,021.4	5,940.2	18.3	19.9	179.93	-773.3	-331.4	1,389.0	1,359.0	29.92	46.418	
6,100.0	6,040.2	6,121.4	6,040.2	18.5	20.0	179.93	-773.3	-331.4	1,389.0	1,358.7	30.28	45.869	
6,200.0	6,140.2	6,221.4	6,140.2	18.6	20.1	179.93	-773.3	-331.4	1,389.0	1,358.3	30.64	45.329	
6,300.0	6,240.2	6,321.4	6,240.2	18.8	20.2	179.93	-773.3	-331.4	1,389.0	1,358.0	31.00	44.798	
6,400.0	6,340.2	6,421.4	6,340.2	18.9	20.3	179.93	-773.3	-331.4	1,389.0	1,357.6	31.37	44.277	
6,500.0	6,440.2	6,521.4	6,440.2	19.1	20.5	179.93	-773.3	-331.4	1,389.0	1,357.2	31.74	43.764	
6,600.0	6,540.2	6,621.4	6,540.2	19.3	20.6	179.93	-773.3	-331.4	1,389.0	1,356.9	32.11	43.260	
6,700.0	6,640.2	6,721.4	6,640.2	19.4	20.7	179.93	-773.3	-331.4	1,389.0	1,356.5	32.48	42.766	
6,800.0	6,740.2	6,821.4	6,740.2	19.6	20.9	179.93	-773.3	-331.4	1,389.0	1,356.1	32.85	42.280	
6,900.0	6,840.2	6,921.4	6,840.2	19.8	21.0	179.93	-773.3	-331.4	1,389.0	1,355.7	33.23	41.802	
7,000.0	6,940.2	7,021.4	6,940.2	19.9	21.1	179.93	-773.3	-331.4	1,389.0	1,355.4	33.60	41.333	
7,100.0	7,040.2	7,121.4	7,040.2	20.1	21.3	179.93	-773.3	-331.4	1,389.0	1,355.0	33.98	40.872	
7,200.0	7,140.2	7,221.4	7,140.2	20.3	21.4	179.93	-773.3	-331.4	1,389.0	1,354.6	34.36	40.419	
7,300.0	7,240.2	7,321.4	7,240.2	20.4	21.6	179.93	-773.3	-331.4	1,389.0	1,354.2	34.75	39.975	
7,400.0	7,340.2	7,421.4	7,340.2	20.6	21.7	179.93	-773.3	-331.4	1,389.0	1,353.8	35.13	39.538	
7,500.0	7,440.2	7,521.4	7,440.2	20.8	21.8	179.93	-773.3	-331.4	1,389.0	1,353.4	35.51	39.109	
7,600.0	7,540.2	7,621.4	7,540.2	20.9	22.0	179.93	-773.3	-331.4	1,389.0	1,353.1	35.90	38.688	
7,700.0	7,640.2	7,721.4	7,640.2	21.1	22.1	179.93	-773.3	-331.4	1,389.0	1,352.7	36.29	38.274	
7,800.0	7,740.2	7,821.4	7,740.2	21.3	22.3	179.93	-773.3	-331.4	1,389.0	1,352.3	36.68	37.867	
7,900.0	7,840.2	7,921.4	7,840.2	21.5	22.4	179.93	-773.3	-331.4	1,389.0	1,351.9	37.07	37.468	
8,000.0	7,940.2	8,021.4	7,940.2	21.7	22.6	179.93	-773.3	-331.4	1,389.0	1,351.5	37.46	37.076	
8,077.8	8,018.0	8,099.2	8,018.0	21.8	22.7	179.93	-773.3	-331.4	1,389.0	1,351.2	37.77	36.775	

<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Project:</b>	SEC.28-T2N-R66W	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Reference Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-02-12)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-10.9	0.0	10.9	10.9	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-10.9	0.0	10.9	10.7	0.22	48.623		
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-10.9	0.0	10.9	10.3	0.67	16.208 CC, ES		
300.0	300.0	299.8	299.8	0.6	0.5	171.82	-11.5	1.7	11.6	10.5	1.11	10.454		
400.0	400.0	399.4	399.3	0.8	0.8	153.37	-13.1	6.6	14.7	13.1	1.55	9.473 SF		
500.0	500.0	498.6	498.0	1.0	1.0	137.07	-15.8	14.7	21.7	19.7	2.02	10.774		
600.0	600.0	597.0	595.7	1.2	1.3	126.99	-19.6	26.0	32.9	30.4	2.50	13.168		
700.0	700.0	694.4	692.0	1.5	1.6	121.15	-24.4	40.4	47.9	44.9	2.99	15.996		
800.0	800.0	790.8	786.6	1.7	2.0	117.63	-30.1	57.6	66.4	62.9	3.50	18.968		
900.0	900.0	885.8	879.2	1.9	2.4	115.40	-36.8	77.5	88.3	84.2	4.02	21.949		
1,000.0	1,000.0	979.2	969.7	2.1	2.9	113.90	-44.3	99.9	113.4	108.9	4.56	24.874		
1,100.0	1,100.0	1,071.0	1,057.7	2.4	3.4	112.85	-52.5	124.6	141.7	136.6	5.11	27.712		
1,200.0	1,200.0	1,160.6	1,142.7	2.6	4.0	140.43	-61.4	151.4	174.4	169.0	5.32	32.785		
1,300.0	1,299.8	1,247.3	1,224.1	2.8	4.6	140.19	-70.9	179.6	212.4	206.6	5.79	36.678		
1,400.0	1,399.5	1,330.6	1,301.5	3.0	5.2	140.24	-80.6	208.9	255.6	249.3	6.26	40.845		
1,500.0	1,498.7	1,410.4	1,374.7	3.3	5.8	140.40	-90.7	239.0	303.8	297.0	6.71	45.267		
1,600.0	1,597.5	1,486.7	1,443.9	3.6	6.5	140.56	-100.9	269.5	356.6	349.5	7.16	49.805		
1,700.0	1,695.9	1,569.8	1,518.8	3.8	7.3	141.46	-112.3	303.7	412.0	404.3	7.65	53.818		
1,800.0	1,794.3	1,652.9	1,593.7	4.2	8.0	142.21	-123.7	337.8	467.4	459.2	8.16	57.299		
1,900.0	1,892.7	1,736.0	1,668.6	4.5	8.8	142.81	-135.1	372.0	522.9	514.2	8.67	60.297		
2,000.0	1,991.1	1,819.1	1,743.5	4.8	9.6	143.29	-146.5	406.2	578.4	569.2	9.20	62.894		
2,100.0	2,089.6	1,902.2	1,818.3	5.2	10.3	143.69	-157.9	440.3	633.9	624.2	9.73	65.158		
2,200.0	2,188.0	1,985.3	1,893.2	5.5	11.1	144.02	-169.3	474.5	689.4	679.2	10.27	67.138		
2,300.0	2,286.4	2,068.4	1,968.1	5.9	11.9	144.30	-180.7	508.6	745.0	734.2	10.82	68.884		
2,400.0	2,384.8	2,151.5	2,043.0	6.2	12.7	144.55	-192.1	542.8	800.6	789.2	11.37	70.434		
2,500.0	2,483.2	2,234.6	2,117.9	6.6	13.5	144.76	-203.5	576.9	856.1	844.2	11.92	71.816		
2,600.0	2,581.6	2,317.7	2,192.8	7.0	14.2	144.95	-214.9	611.1	911.7	899.3	12.48	73.053		
2,700.0	2,680.1	2,400.8	2,267.7	7.4	15.0	145.11	-226.3	645.3	967.3	954.3	13.04	74.167		
2,800.0	2,778.5	2,483.9	2,342.6	7.7	15.8	145.26	-237.7	679.4	1,022.9	1,009.3	13.61	75.172		
2,900.0	2,876.9	2,567.0	2,417.4	8.1	16.6	145.39	-249.1	713.6	1,078.5	1,064.3	14.18	76.084		
3,000.0	2,975.3	2,650.1	2,492.3	8.5	17.4	145.51	-260.5	747.7	1,134.1	1,119.4	14.75	76.915		
3,100.0	3,073.7	2,733.2	2,567.2	8.9	18.2	145.62	-271.9	781.9	1,189.7	1,174.4	15.32	77.674		
3,200.0	3,172.2	2,816.3	2,642.1	9.3	18.9	145.72	-283.3	816.0	1,245.3	1,229.4	15.89	78.370		
3,300.0	3,270.6	2,899.3	2,717.0	9.7	19.7	145.81	-294.7	850.2	1,300.9	1,284.5	16.47	79.010		
3,400.0	3,369.0	2,982.4	2,791.9	10.0	20.5	145.89	-306.1	884.4	1,356.6	1,339.5	17.04	79.600		
3,500.0	3,467.4	3,065.5	2,866.8	10.4	21.3	145.96	-317.5	918.5	1,412.2	1,394.5	17.62	80.145		
3,600.0	3,565.8	3,148.6	2,941.7	10.8	22.1	146.03	-328.9	952.7	1,467.8	1,449.6	18.20	80.651		
3,700.0	3,664.2	3,231.7	3,016.5	11.2	22.9	146.10	-340.3	986.8	1,523.4	1,504.6	18.78	81.121		
3,800.0	3,762.7	3,314.8	3,091.4	11.6	23.7	146.16	-351.7	1,021.0	1,579.0	1,559.7	19.36	81.559		
3,900.0	3,861.1	3,397.9	3,166.3	12.0	24.4	146.22	-363.1	1,055.1	1,634.6	1,614.7	19.94	81.967		
4,000.0	3,959.5	3,481.0	3,241.2	12.4	25.2	146.27	-374.5	1,089.3	1,690.3	1,669.7	20.53	82.349		
4,100.0	4,057.9	3,564.1	3,316.1	12.8	26.0	146.32	-385.9	1,123.5	1,745.9	1,724.8	21.11	82.706		
4,200.0	4,156.3	3,647.2	3,391.0	13.2	26.8	146.37	-397.3	1,157.6	1,801.5	1,779.8	21.69	83.041		
4,300.0	4,254.8	3,730.3	3,465.9	13.6	27.6	146.41	-408.7	1,191.8	1,857.1	1,834.8	22.28	83.357		
4,400.0	4,353.2	3,813.4	3,540.7	13.9	28.4	146.45	-420.1	1,225.9	1,912.8	1,889.9	22.87	83.654		
4,500.0	4,451.6	3,896.5	3,615.6	14.3	29.2	146.49	-431.5	1,260.1	1,968.4	1,944.9	23.45	83.934		
4,600.0	4,550.0	3,979.6	3,690.5	14.7	30.0	146.53	-442.9	1,294.2	2,024.0	2,000.0	24.04	84.198		
4,700.0	4,648.4	4,062.7	3,765.4	15.1	30.7	146.56	-454.3	1,328.4	2,079.6	2,055.0	24.63	84.447		
4,800.0	4,746.8	4,145.8	3,840.3	15.5	31.5	146.59	-465.7	1,362.6	2,135.3	2,110.0	25.21	84.684		
4,900.0	4,845.3	4,228.9	3,915.2	15.9	32.3	146.62	-477.1	1,396.7	2,190.9	2,165.1	25.80	84.908		
5,000.0	4,943.7	4,312.0	3,990.1	16.3	33.1	146.65	-488.5	1,430.9	2,246.5	2,220.1	26.39	85.120		
5,100.0	5,042.2	4,395.3	4,065.1	16.7	33.9	147.04	-499.9	1,465.1	2,301.8	2,274.7	27.12	84.880		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Project:</b>	SEC.28-T2N-R66W	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Reference Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-02-12)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Maier 31-28 Pad Sec.28-T2N-R66W - Maier 8-4-28 - Wellbore #1 - Plan #1 (4-02-12)												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,141.1	4,479.9	4,141.5	17.0	34.7	147.69	-511.5	1,499.9	2,355.0	2,327.0	27.94	84.299	
5,300.0	5,240.6	4,566.1	4,219.1	17.2	35.5	148.23	-523.3	1,535.3	2,405.6	2,376.9	28.72	83.747	
5,400.0	5,340.3	4,653.7	4,298.1	17.4	36.3	148.68	-535.3	1,571.3	2,453.7	2,424.2	29.48	83.236	
5,500.0	5,440.2	4,742.5	4,378.1	17.6	37.2	149.04	-547.5	1,607.9	2,499.1	2,468.9	30.19	82.775	
5,600.0	5,540.2	4,832.5	4,459.2	17.7	38.0	120.73	-559.9	1,644.8	2,542.1	2,511.3	30.79	82.563	
5,700.0	5,640.2	4,922.6	4,540.4	17.8	38.9	120.52	-572.2	1,681.9	2,584.7	2,553.4	31.29	82.615	
5,800.0	5,740.2	5,012.7	4,621.6	18.0	39.8	120.33	-584.6	1,718.9	2,627.2	2,595.4	31.78	82.666	
5,900.0	5,840.2	5,102.8	4,702.8	18.1	40.6	120.14	-596.9	1,756.0	2,669.8	2,637.5	32.28	82.716	
6,000.0	5,940.2	5,192.9	4,784.0	18.3	41.5	119.95	-609.3	1,793.0	2,712.4	2,679.7	32.77	82.763	
6,100.0	6,040.2	5,414.5	4,985.1	18.5	43.3	119.53	-638.7	1,881.2	2,754.9	2,721.2	33.67	81.823	
6,200.0	6,140.2	6,599.8	6,140.2	18.6	47.3	118.63	-710.2	2,095.4	2,766.8	2,730.5	36.30	76.229	
6,300.0	6,240.2	6,699.8	6,240.2	18.8	47.4	118.63	-710.2	2,095.4	2,766.8	2,730.2	36.60	75.588	
6,400.0	6,340.2	6,799.8	6,340.2	18.9	47.5	118.63	-710.2	2,095.4	2,766.8	2,729.9	36.91	74.953	
6,500.0	6,440.2	6,899.8	6,440.2	19.1	47.5	118.63	-710.2	2,095.4	2,766.8	2,729.6	37.23	74.323	
6,600.0	6,540.2	6,999.8	6,540.2	19.3	47.6	118.63	-710.2	2,095.4	2,766.8	2,729.3	37.54	73.698	
6,700.0	6,640.2	7,099.8	6,640.2	19.4	47.6	118.63	-710.2	2,095.4	2,766.8	2,728.9	37.86	73.079	
6,800.0	6,740.2	7,199.8	6,740.2	19.6	47.7	118.63	-710.2	2,095.4	2,766.8	2,728.6	38.18	72.466	
6,900.0	6,840.2	7,299.8	6,840.2	19.8	47.8	118.63	-710.2	2,095.4	2,766.8	2,728.3	38.50	71.858	
7,000.0	6,940.2	7,399.8	6,940.2	19.9	47.8	118.63	-710.2	2,095.4	2,766.8	2,728.0	38.83	71.257	
7,100.0	7,040.2	7,499.8	7,040.2	20.1	47.9	118.63	-710.2	2,095.4	2,766.8	2,727.6	39.16	70.661	
7,200.0	7,140.2	7,599.8	7,140.2	20.3	48.0	118.63	-710.2	2,095.4	2,766.8	2,727.3	39.49	70.071	
7,300.0	7,240.2	7,699.8	7,240.2	20.4	48.0	118.63	-710.2	2,095.4	2,766.8	2,727.0	39.82	69.487	
7,400.0	7,340.2	7,799.8	7,340.2	20.6	48.1	118.63	-710.2	2,095.4	2,766.8	2,726.7	40.15	68.909	
7,500.0	7,440.2	7,899.8	7,440.2	20.8	48.2	118.63	-710.2	2,095.4	2,766.8	2,726.3	40.49	68.337	
7,600.0	7,540.2	7,999.8	7,540.2	20.9	48.3	118.63	-710.2	2,095.4	2,766.8	2,726.0	40.83	67.771	
7,700.0	7,640.2	8,099.8	7,640.2	21.1	48.3	118.63	-710.2	2,095.4	2,766.8	2,725.6	41.17	67.212	
7,800.0	7,740.2	8,199.8	7,740.2	21.3	48.4	118.63	-710.2	2,095.4	2,766.8	2,725.3	41.51	66.658	
7,900.0	7,840.2	8,299.8	7,840.2	21.5	48.5	118.63	-710.2	2,095.4	2,766.8	2,725.0	41.85	66.111	
8,000.0	7,940.2	8,399.8	7,940.2	21.7	48.6	118.63	-710.2	2,095.4	2,766.8	2,724.6	42.20	65.569	
8,048.5	7,988.7	8,448.3	7,988.7	21.7	48.6	118.63	-710.2	2,095.4	2,766.8	2,724.4	42.37	65.309	
8,077.8	8,018.0	8,468.6	8,009.0	21.8	48.6	118.63	-710.2	2,095.4	2,766.8	2,724.4	42.45	65.173	

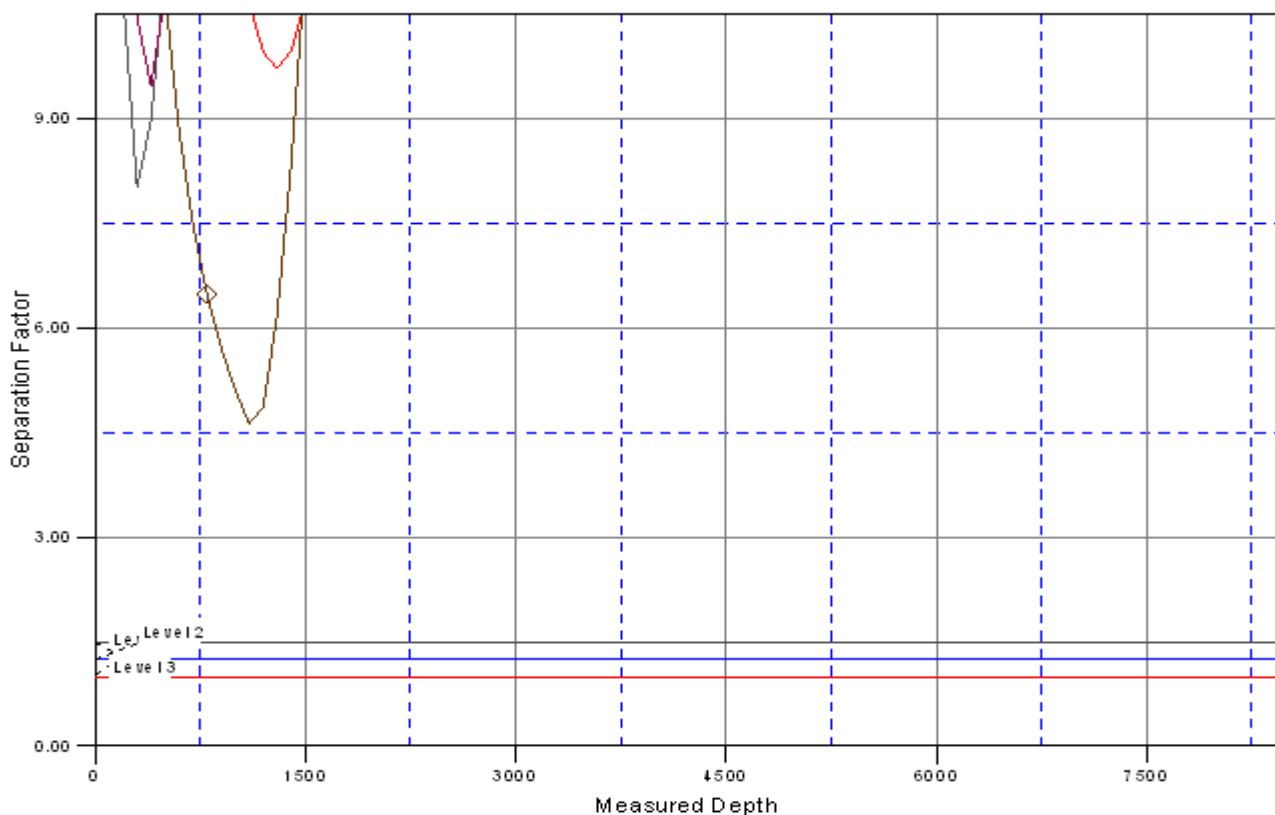
Reference Depths are relative to WELL @ 4943.0ft (Original Well Elev) Coordinates are relative to: Maier 4-2-28  
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone  
Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.46°



<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Maier 4-2-28
<b>Project:</b>	SEC.28-T2N-R66W	<b>TVD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Reference Site:</b>	Maier 31-28 Pad Sec.28-T2N-R66W	<b>MD Reference:</b>	WELL @ 4943.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Maier 4-2-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (4-02-12)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 4943.0ft (Original Well Elev) Coordinates are relative to: Maier 4-2-28  
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone  
 Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.46°

### Separation Factor Plot



### LEGEND

- Maier 31-28, Wellbore #1, Plan #1 (4-02-12) \0
- Maier 4-2-28, Wellbore #1, Plan #1 (4-02-12) \0
- Maier 32-28 (Exist.), Wellbore #1, Design #1 \0
- Maier 8-4-28, Wellbore #1, Plan #1 (4-02-12) \0