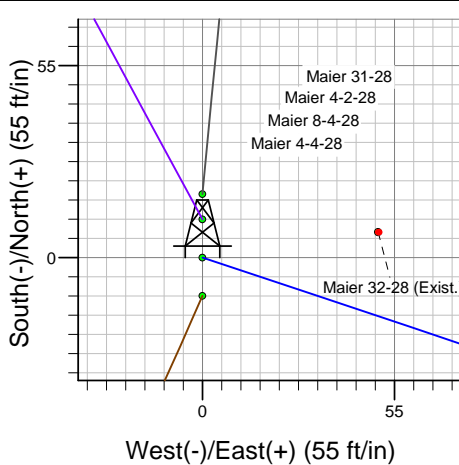
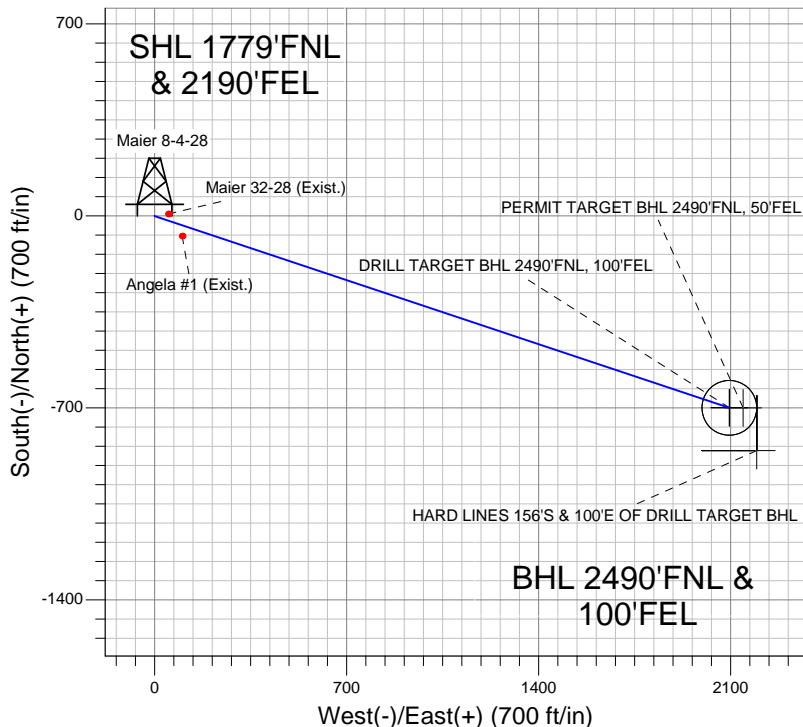
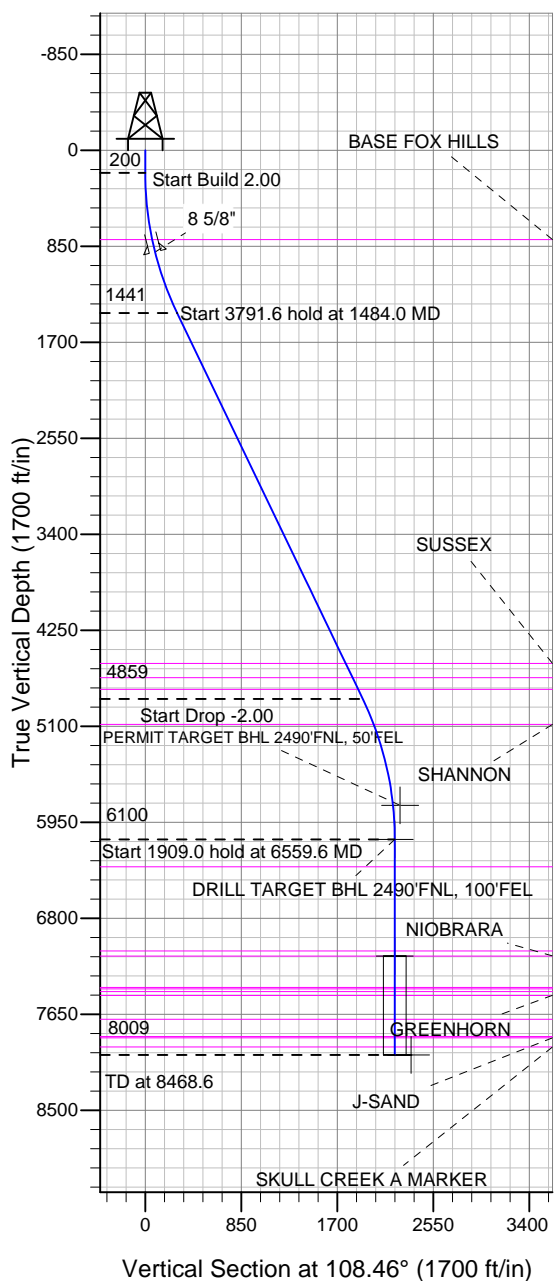


Well Name: Maier 8-4-28

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	1284279.71	3201199.58	40.111500	-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 8-4-28
Plan #1 (4-02-12)
14:36, 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 2490'FNL, 50'FEL	5800.0	-699.3	2145.4	40.109580	-104.772970	Point
DRILL TARGET BHL 2490'FNL, 100'FEL	6100.0	-699.3	2095.4	40.109580	-104.773149	Point
TARGET CIRCLE 2490'FNL & 100'FEL	7135.0	-699.3	2095.4	40.109580	-104.773149	Circle (Radius: 100.0)
HARD LINES 156'S & 100'E OF DRILL TARGET BHL	8009.0	-855.3	2195.4	40.109152	-104.772791	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	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	1484.0	25.68	108.46	1441.4	-89.6	268.4	2.00	108.46	283.0	
4	5275.6	25.68	108.46	4858.6	-609.7	1827.0	0.00	0.00	1926.0	
5	6559.6	0.00	0.00	6100.0	-699.3	2095.4	2.00	180.00	2209.0	DRILL TARGET BHL 2490'FNL, 100'FEL
6	8468.6	0.00	0.00	8009.0	-699.3	2095.4	0.00	0.00	2209.0	



EnCana Oil & Gas Weld County CO

SEC.28-T2N-R66W

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

Maier 8-4-28

Wellbore #1

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

Standard Planning Report

04 April, 2012

Database:	Landmark	Local Co-ordinate Reference:	Well Maier 8-4-28
Company:	EnCana Oil & Gas Weld County CO	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Project:	SEC.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site:	Maier 31-28 Pad Sec.28-T2N-R66W	North Reference:	True
Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-02-12)		

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	-18.2 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	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	108.46

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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,484.0	25.68	108.46	1,441.4	-89.6	268.4	2.00	2.00	0.00	108.46	
5,275.6	25.68	108.46	4,858.6	-609.7	1,827.0	0.00	0.00	0.00	0.00	
6,559.6	0.00	0.00	6,100.0	-699.3	2,095.4	2.00	-2.00	0.00	180.00	DRILL TARGET B-
8,468.6	0.00	0.00	8,009.0	-699.3	2,095.4	0.00	0.00	0.00	0.00	

Database:	Landmark	Local Co-ordinate Reference:	Well Maier 8-4-28
Company:	EnCana Oil & Gas Weld County CO	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Project:	SEC.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site:	Maier 31-28 Pad Sec.28-T2N-R66W	North Reference:	True
Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	0.80	108.46	240.0	-0.1	0.3	0.3	2.00	2.00	0.00
280.0	1.60	108.46	280.0	-0.4	1.1	1.1	2.00	2.00	0.00
320.0	2.40	108.46	320.0	-0.8	2.4	2.5	2.00	2.00	0.00
360.0	3.20	108.46	359.9	-1.4	4.2	4.5	2.00	2.00	0.00
400.0	4.00	108.46	399.8	-2.2	6.6	7.0	2.00	2.00	0.00
440.0	4.80	108.46	439.7	-3.2	9.5	10.0	2.00	2.00	0.00
480.0	5.60	108.46	479.6	-4.3	13.0	13.7	2.00	2.00	0.00
520.0	6.40	108.46	519.3	-5.7	16.9	17.9	2.00	2.00	0.00
560.0	7.20	108.46	559.1	-7.2	21.4	22.6	2.00	2.00	0.00
600.0	8.00	108.46	598.7	-8.8	26.4	27.9	2.00	2.00	0.00
640.0	8.80	108.46	638.3	-10.7	32.0	33.7	2.00	2.00	0.00
680.0	9.60	108.46	677.8	-12.7	38.1	40.1	2.00	2.00	0.00
720.0	10.40	108.46	717.1	-14.9	44.6	47.1	2.00	2.00	0.00
760.0	11.20	108.46	756.4	-17.3	51.8	54.6	2.00	2.00	0.00
793.2	11.86	108.46	789.0	-19.4	58.1	61.2	2.00	2.00	0.00
BASE FOX HILLS									
800.0	12.00	108.46	795.6	-19.8	59.4	62.6	2.00	2.00	0.00
840.0	12.80	108.46	834.7	-22.5	67.5	71.2	2.00	2.00	0.00
880.0	13.60	108.46	873.6	-25.4	76.2	80.3	2.00	2.00	0.00
907.2	14.14	108.46	900.0	-27.5	82.4	86.8	2.00	2.00	0.00
8 5/8"									
920.0	14.40	108.46	912.4	-28.5	85.4	90.0	2.00	2.00	0.00
960.0	15.20	108.46	951.1	-31.7	95.1	100.2	2.00	2.00	0.00
1,000.0	16.00	108.46	989.6	-35.1	105.3	111.0	2.00	2.00	0.00
1,040.0	16.80	108.46	1,028.0	-38.7	116.0	122.3	2.00	2.00	0.00
1,080.0	17.60	108.46	1,066.2	-42.5	127.2	134.1	2.00	2.00	0.00
1,120.0	18.40	108.46	1,104.3	-46.4	138.9	146.5	2.00	2.00	0.00
1,160.0	19.20	108.46	1,142.1	-50.4	151.2	159.3	2.00	2.00	0.00
1,200.0	20.00	108.46	1,179.8	-54.7	163.9	172.8	2.00	2.00	0.00
1,240.0	20.80	108.46	1,217.3	-59.1	177.1	186.7	2.00	2.00	0.00
1,280.0	21.60	108.46	1,254.6	-63.7	190.8	201.2	2.00	2.00	0.00
1,320.0	22.40	108.46	1,291.7	-68.4	205.0	216.2	2.00	2.00	0.00
1,360.0	23.20	108.46	1,328.6	-73.3	219.7	231.7	2.00	2.00	0.00
1,400.0	24.00	108.46	1,365.2	-78.4	234.9	247.7	2.00	2.00	0.00
1,440.0	24.80	108.46	1,401.6	-83.6	250.6	264.2	2.00	2.00	0.00
1,480.0	25.60	108.46	1,437.8	-89.0	266.8	281.2	2.00	2.00	0.00
1,484.0	25.68	108.46	1,441.4	-89.6	268.4	283.0	2.00	2.00	0.00
1,520.0	25.68	108.46	1,473.9	-94.5	283.2	298.6	0.00	0.00	0.00
1,560.0	25.68	108.46	1,509.9	-100.0	299.6	315.9	0.00	0.00	0.00
1,600.0	25.68	108.46	1,546.0	-105.5	316.1	333.2	0.00	0.00	0.00
1,640.0	25.68	108.46	1,582.0	-111.0	332.5	350.6	0.00	0.00	0.00
1,680.0	25.68	108.46	1,618.1	-116.5	349.0	367.9	0.00	0.00	0.00
1,720.0	25.68	108.46	1,654.1	-122.0	365.4	385.2	0.00	0.00	0.00
1,760.0	25.68	108.46	1,690.2	-127.4	381.9	402.6	0.00	0.00	0.00
1,800.0	25.68	108.46	1,726.2	-132.9	398.3	419.9	0.00	0.00	0.00
1,840.0	25.68	108.46	1,762.3	-138.4	414.7	437.2	0.00	0.00	0.00
1,880.0	25.68	108.46	1,798.3	-143.9	431.2	454.6	0.00	0.00	0.00
1,920.0	25.68	108.46	1,834.4	-149.4	447.6	471.9	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Maier 8-4-28
Company:	EnCana Oil & Gas Weld County CO	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Project:	SEC.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site:	Maier 31-28 Pad Sec.28-T2N-R66W	North Reference:	True
Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
1,960.0	25.68	108.46	1,870.4	-154.9	464.1	489.2	0.00	0.00	0.00
2,000.0	25.68	108.46	1,906.5	-160.4	480.5	506.6	0.00	0.00	0.00
2,040.0	25.68	108.46	1,942.5	-165.8	497.0	523.9	0.00	0.00	0.00
2,080.0	25.68	108.46	1,978.6	-171.3	513.4	541.2	0.00	0.00	0.00
2,120.0	25.68	108.46	2,014.6	-176.8	529.8	558.6	0.00	0.00	0.00
2,160.0	25.68	108.46	2,050.7	-182.3	546.3	575.9	0.00	0.00	0.00
2,200.0	25.68	108.46	2,086.7	-187.8	562.7	593.2	0.00	0.00	0.00
2,240.0	25.68	108.46	2,122.8	-193.3	579.2	610.6	0.00	0.00	0.00
2,280.0	25.68	108.46	2,158.8	-198.8	595.6	627.9	0.00	0.00	0.00
2,320.0	25.68	108.46	2,194.9	-204.3	612.1	645.2	0.00	0.00	0.00
2,360.0	25.68	108.46	2,230.9	-209.7	628.5	662.6	0.00	0.00	0.00
2,400.0	25.68	108.46	2,267.0	-215.2	644.9	679.9	0.00	0.00	0.00
2,440.0	25.68	108.46	2,303.0	-220.7	661.4	697.2	0.00	0.00	0.00
2,480.0	25.68	108.46	2,339.1	-226.2	677.8	714.6	0.00	0.00	0.00
2,520.0	25.68	108.46	2,375.1	-231.7	694.3	731.9	0.00	0.00	0.00
2,560.0	25.68	108.46	2,411.2	-237.2	710.7	749.2	0.00	0.00	0.00
2,600.0	25.68	108.46	2,447.2	-242.7	727.1	766.6	0.00	0.00	0.00
2,640.0	25.68	108.46	2,483.3	-248.2	743.6	783.9	0.00	0.00	0.00
2,680.0	25.68	108.46	2,519.3	-253.6	760.0	801.2	0.00	0.00	0.00
2,720.0	25.68	108.46	2,555.4	-259.1	776.5	818.6	0.00	0.00	0.00
2,760.0	25.68	108.46	2,591.4	-264.6	792.9	835.9	0.00	0.00	0.00
2,800.0	25.68	108.46	2,627.5	-270.1	809.4	853.2	0.00	0.00	0.00
2,840.0	25.68	108.46	2,663.5	-275.6	825.8	870.6	0.00	0.00	0.00
2,880.0	25.68	108.46	2,699.6	-281.1	842.2	887.9	0.00	0.00	0.00
2,920.0	25.68	108.46	2,735.6	-286.6	858.7	905.2	0.00	0.00	0.00
2,960.0	25.68	108.46	2,771.7	-292.1	875.1	922.6	0.00	0.00	0.00
3,000.0	25.68	108.46	2,807.7	-297.5	891.6	939.9	0.00	0.00	0.00
3,040.0	25.68	108.46	2,843.8	-303.0	908.0	957.2	0.00	0.00	0.00
3,080.0	25.68	108.46	2,879.8	-308.5	924.5	974.6	0.00	0.00	0.00
3,120.0	25.68	108.46	2,915.8	-314.0	940.9	991.9	0.00	0.00	0.00
3,160.0	25.68	108.46	2,951.9	-319.5	957.3	1,009.2	0.00	0.00	0.00
3,200.0	25.68	108.46	2,987.9	-325.0	973.8	1,026.6	0.00	0.00	0.00
3,240.0	25.68	108.46	3,024.0	-330.5	990.2	1,043.9	0.00	0.00	0.00
3,280.0	25.68	108.46	3,060.0	-336.0	1,006.7	1,061.3	0.00	0.00	0.00
3,320.0	25.68	108.46	3,096.1	-341.4	1,023.1	1,078.6	0.00	0.00	0.00
3,360.0	25.68	108.46	3,132.1	-346.9	1,039.6	1,095.9	0.00	0.00	0.00
3,400.0	25.68	108.46	3,168.2	-352.4	1,056.0	1,113.3	0.00	0.00	0.00
3,440.0	25.68	108.46	3,204.2	-357.9	1,072.4	1,130.6	0.00	0.00	0.00
3,480.0	25.68	108.46	3,240.3	-363.4	1,088.9	1,147.9	0.00	0.00	0.00
3,520.0	25.68	108.46	3,276.3	-368.9	1,105.3	1,165.3	0.00	0.00	0.00
3,560.0	25.68	108.46	3,312.4	-374.4	1,121.8	1,182.6	0.00	0.00	0.00
3,600.0	25.68	108.46	3,348.4	-379.9	1,138.2	1,199.9	0.00	0.00	0.00
3,640.0	25.68	108.46	3,384.5	-385.3	1,154.7	1,217.3	0.00	0.00	0.00
3,680.0	25.68	108.46	3,420.5	-390.8	1,171.1	1,234.6	0.00	0.00	0.00
3,720.0	25.68	108.46	3,456.6	-396.3	1,187.5	1,251.9	0.00	0.00	0.00
3,760.0	25.68	108.46	3,492.6	-401.8	1,204.0	1,269.3	0.00	0.00	0.00
3,800.0	25.68	108.46	3,528.7	-407.3	1,220.4	1,286.6	0.00	0.00	0.00
3,840.0	25.68	108.46	3,564.7	-412.8	1,236.9	1,303.9	0.00	0.00	0.00
3,880.0	25.68	108.46	3,600.8	-418.3	1,253.3	1,321.3	0.00	0.00	0.00
3,920.0	25.68	108.46	3,636.8	-423.8	1,269.7	1,338.6	0.00	0.00	0.00
3,960.0	25.68	108.46	3,672.9	-429.2	1,286.2	1,355.9	0.00	0.00	0.00
4,000.0	25.68	108.46	3,708.9	-434.7	1,302.6	1,373.3	0.00	0.00	0.00
4,040.0	25.68	108.46	3,745.0	-440.2	1,319.1	1,390.6	0.00	0.00	0.00
4,080.0	25.68	108.46	3,781.0	-445.7	1,335.5	1,407.9	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Maier 8-4-28
Company:	EnCana Oil & Gas Weld County CO	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Project:	SEC.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site:	Maier 31-28 Pad Sec.28-T2N-R66W	North Reference:	True
Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
4,120.0	25.68	108.46	3,817.1	-451.2	1,352.0	1,425.3	0.00	0.00	0.00
4,160.0	25.68	108.46	3,853.1	-456.7	1,368.4	1,442.6	0.00	0.00	0.00
4,200.0	25.68	108.46	3,889.2	-462.2	1,384.8	1,459.9	0.00	0.00	0.00
4,240.0	25.68	108.46	3,925.2	-467.7	1,401.3	1,477.3	0.00	0.00	0.00
4,280.0	25.68	108.46	3,961.3	-473.1	1,417.7	1,494.6	0.00	0.00	0.00
4,320.0	25.68	108.46	3,997.3	-478.6	1,434.2	1,511.9	0.00	0.00	0.00
4,360.0	25.68	108.46	4,033.4	-484.1	1,450.6	1,529.3	0.00	0.00	0.00
4,400.0	25.68	108.46	4,069.4	-489.6	1,467.1	1,546.6	0.00	0.00	0.00
4,440.0	25.68	108.46	4,105.5	-495.1	1,483.5	1,563.9	0.00	0.00	0.00
4,480.0	25.68	108.46	4,141.5	-500.6	1,499.9	1,581.3	0.00	0.00	0.00
4,520.0	25.68	108.46	4,177.6	-506.1	1,516.4	1,598.6	0.00	0.00	0.00
4,560.0	25.68	108.46	4,213.6	-511.6	1,532.8	1,615.9	0.00	0.00	0.00
4,600.0	25.68	108.46	4,249.7	-517.0	1,549.3	1,633.3	0.00	0.00	0.00
4,640.0	25.68	108.46	4,285.7	-522.5	1,565.7	1,650.6	0.00	0.00	0.00
4,680.0	25.68	108.46	4,321.8	-528.0	1,582.2	1,667.9	0.00	0.00	0.00
4,720.0	25.68	108.46	4,357.8	-533.5	1,598.6	1,685.3	0.00	0.00	0.00
4,760.0	25.68	108.46	4,393.9	-539.0	1,615.0	1,702.6	0.00	0.00	0.00
4,800.0	25.68	108.46	4,429.9	-544.5	1,631.5	1,719.9	0.00	0.00	0.00
4,840.0	25.68	108.46	4,466.0	-550.0	1,647.9	1,737.3	0.00	0.00	0.00
4,880.0	25.68	108.46	4,502.0	-555.5	1,664.4	1,754.6	0.00	0.00	0.00
4,920.0	25.68	108.46	4,538.1	-560.9	1,680.8	1,771.9	0.00	0.00	0.00
4,926.6	25.68	108.46	4,544.0	-561.8	1,683.5	1,774.8	0.00	0.00	0.00
SUSSEX									
4,960.0	25.68	108.46	4,574.1	-566.4	1,697.3	1,789.3	0.00	0.00	0.00
5,000.0	25.68	108.46	4,610.2	-571.9	1,713.7	1,806.6	0.00	0.00	0.00
5,040.0	25.68	108.46	4,646.2	-577.4	1,730.1	1,823.9	0.00	0.00	0.00
5,065.3	25.68	108.46	4,669.0	-580.9	1,740.5	1,834.9	0.00	0.00	0.00
SUSSEX PAY TOP									
5,080.0	25.68	108.46	4,682.3	-582.9	1,746.6	1,841.3	0.00	0.00	0.00
5,120.0	25.68	108.46	4,718.3	-588.4	1,763.0	1,858.6	0.00	0.00	0.00
5,160.0	25.68	108.46	4,754.4	-593.9	1,779.5	1,875.9	0.00	0.00	0.00
5,180.7	25.68	108.46	4,773.0	-596.7	1,788.0	1,884.9	0.00	0.00	0.00
SUSSEX MARKER									
5,200.0	25.68	108.46	4,790.4	-599.3	1,795.9	1,893.3	0.00	0.00	0.00
5,240.0	25.68	108.46	4,826.5	-604.8	1,812.3	1,910.6	0.00	0.00	0.00
5,275.6	25.68	108.46	4,858.6	-609.7	1,827.0	1,926.0	0.00	0.00	0.00
5,280.0	25.59	108.46	4,862.5	-610.3	1,828.8	1,927.9	2.00	-2.00	0.00
5,320.0	24.79	108.46	4,898.7	-615.7	1,844.9	1,945.0	2.00	-2.00	0.00
5,360.0	23.99	108.46	4,935.1	-620.9	1,860.6	1,961.5	2.00	-2.00	0.00
5,400.0	23.19	108.46	4,971.8	-626.0	1,875.8	1,977.5	2.00	-2.00	0.00
5,440.0	22.39	108.46	5,008.7	-630.9	1,890.5	1,993.0	2.00	-2.00	0.00
5,480.0	21.59	108.46	5,045.7	-635.7	1,904.7	2,008.0	2.00	-2.00	0.00
5,520.0	20.79	108.46	5,083.0	-640.2	1,918.4	2,022.4	2.00	-2.00	0.00
SHANNON									
5,560.0	19.99	108.46	5,120.5	-644.6	1,931.6	2,036.4	2.00	-2.00	0.00
5,600.0	19.19	108.46	5,158.2	-648.9	1,944.4	2,049.8	2.00	-2.00	0.00
5,640.0	18.39	108.46	5,196.1	-653.0	1,956.6	2,062.7	2.00	-2.00	0.00
5,680.0	17.59	108.46	5,234.1	-656.9	1,968.3	2,075.0	2.00	-2.00	0.00
5,720.0	16.79	108.46	5,272.3	-660.6	1,979.5	2,086.8	2.00	-2.00	0.00
5,760.0	15.99	108.46	5,310.7	-664.2	1,990.2	2,098.1	2.00	-2.00	0.00
5,800.0	15.19	108.46	5,349.2	-667.6	2,000.4	2,108.9	2.00	-2.00	0.00
5,840.0	14.39	108.46	5,387.9	-670.8	2,010.1	2,119.1	2.00	-2.00	0.00
5,880.0	13.59	108.46	5,426.7	-673.9	2,019.3	2,128.8	2.00	-2.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Maier 8-4-28
Company:	EnCana Oil & Gas Weld County CO	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Project:	SEC.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site:	Maier 31-28 Pad Sec.28-T2N-R66W	North Reference:	True
Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
5,920.0	12.79	108.46	5,465.7	-676.8	2,027.9	2,137.9	2.00	-2.00	0.00
5,960.0	11.99	108.46	5,504.7	-679.5	2,036.1	2,146.5	2.00	-2.00	0.00
6,000.0	11.19	108.46	5,543.9	-682.1	2,043.7	2,154.5	2.00	-2.00	0.00
6,040.0	10.39	108.46	5,583.2	-684.4	2,050.8	2,162.0	2.00	-2.00	0.00
6,080.0	9.59	108.46	5,622.6	-686.6	2,057.4	2,169.0	2.00	-2.00	0.00
6,120.0	8.79	108.46	5,662.1	-688.6	2,063.5	2,175.3	2.00	-2.00	0.00
6,160.0	7.99	108.46	5,701.7	-690.5	2,069.0	2,181.2	2.00	-2.00	0.00
6,200.0	7.19	108.46	5,741.3	-692.2	2,074.0	2,186.5	2.00	-2.00	0.00
6,240.0	6.39	108.46	5,781.0	-693.7	2,078.5	2,191.2	2.00	-2.00	0.00
6,265.7	5.88	108.46	5,806.6	-694.5	2,081.1	2,193.9	2.00	-2.00	0.00
PERMIT TARGET BHL 2490'FNL, 50'FEL									
6,280.0	5.59	108.46	5,820.8	-695.0	2,082.5	2,195.4	2.00	-2.00	0.00
6,320.0	4.79	108.46	5,860.7	-696.1	2,085.9	2,199.0	2.00	-2.00	0.00
6,360.0	3.99	108.46	5,900.5	-697.1	2,088.8	2,202.1	2.00	-2.00	0.00
6,400.0	3.19	108.46	5,940.5	-697.9	2,091.2	2,204.6	2.00	-2.00	0.00
6,440.0	2.39	108.46	5,980.4	-698.5	2,093.0	2,206.5	2.00	-2.00	0.00
6,480.0	1.59	108.46	6,020.4	-698.9	2,094.4	2,207.9	2.00	-2.00	0.00
6,520.0	0.79	108.46	6,060.4	-699.2	2,095.1	2,208.7	2.00	-2.00	0.00
6,559.6	0.00	0.00	6,100.0	-699.3	2,095.4	2,209.0	2.00	-2.00	0.00
DRILL TARGET BHL 2490'FNL, 100'FEL									
6,560.0	0.00	0.00	6,100.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,140.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
6,640.0	0.00	0.00	6,180.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
6,680.0	0.00	0.00	6,220.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
6,720.0	0.00	0.00	6,260.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
6,760.0	0.00	0.00	6,300.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,340.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
6,802.6	0.00	0.00	6,343.0	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
TEEPEE BUTTES									
6,840.0	0.00	0.00	6,380.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
6,880.0	0.00	0.00	6,420.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
6,920.0	0.00	0.00	6,460.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
6,960.0	0.00	0.00	6,500.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,540.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,040.0	0.00	0.00	6,580.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,080.0	0.00	0.00	6,620.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,120.0	0.00	0.00	6,660.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,160.0	0.00	0.00	6,700.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,200.0	0.00	0.00	6,740.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,240.0	0.00	0.00	6,780.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,280.0	0.00	0.00	6,820.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,320.0	0.00	0.00	6,860.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,360.0	0.00	0.00	6,900.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,400.0	0.00	0.00	6,940.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,440.0	0.00	0.00	6,980.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,480.0	0.00	0.00	7,020.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,520.0	0.00	0.00	7,060.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,547.6	0.00	0.00	7,088.0	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
SHARON SPRINGS									
7,560.0	0.00	0.00	7,100.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,594.6	0.00	0.00	7,135.0	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
NIOBRARA - TARGET CIRCLE 2490'FNL & 100'FEL									
7,600.0	0.00	0.00	7,140.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,640.0	0.00	0.00	7,180.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Maier 8-4-28
Company:	EnCana Oil & Gas Weld County CO	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Project:	SEC.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site:	Maier 31-28 Pad Sec.28-T2N-R66W	North Reference:	True
Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
7,680.0	0.00	0.00	7,220.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,720.0	0.00	0.00	7,260.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,760.0	0.00	0.00	7,300.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,340.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,840.0	0.00	0.00	7,380.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,870.6	0.00	0.00	7,411.0	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
FT. HAYES									
7,880.0	0.00	0.00	7,420.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,884.6	0.00	0.00	7,425.0	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
CODELL									
7,908.6	0.00	0.00	7,449.0	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
FAIRPORT									
7,920.0	0.00	0.00	7,460.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
7,942.6	0.00	0.00	7,483.0	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
GREENHORN									
7,960.0	0.00	0.00	7,500.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,540.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,040.0	0.00	0.00	7,580.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,080.0	0.00	0.00	7,620.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,120.0	0.00	0.00	7,660.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,152.6	0.00	0.00	7,693.0	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
GRANEROS									
8,160.0	0.00	0.00	7,700.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,200.0	0.00	0.00	7,740.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,240.0	0.00	0.00	7,780.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,280.0	0.00	0.00	7,820.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,306.6	0.00	0.00	7,847.0	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
MOWRY									
8,318.6	0.00	0.00	7,859.0	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
J-SAND									
8,320.0	0.00	0.00	7,860.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,360.0	0.00	0.00	7,900.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,397.6	0.00	0.00	7,938.0	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
SKULL CREEK A MARKER									
8,400.0	0.00	0.00	7,940.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,440.0	0.00	0.00	7,980.4	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
8,468.6	0.00	0.00	8,009.0	-699.3	2,095.4	2,209.0	0.00	0.00	0.00
HARD LINES 156'S & 100'E OF DRILL TARGET BHL									

Database:	Landmark	Local Co-ordinate Reference:	Well Maier 8-4-28
Company:	EnCana Oil & Gas Weld County CO	TVD Reference:	WELL @ 4943.0ft (Original Well Elev)
Project:	SEC.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site:	Maier 31-28 Pad Sec.28-T2N-R66W	North Reference:	True
Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-02-12)		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
PERMIT TARGET BH	0.00	0.00	5,800.0	-699.3	2,145.4	1,283,597.82	3,203,350.51	40.109580	-104.772970
- plan misses target center by 64.8ft at 6265.7ft MD (5806.6 TVD, -694.5 N, 2081.1 E)									
- Point									
HARD LINES 156'S &	0.00	0.00	8,009.0	-855.3	2,195.4	1,283,442.28	3,203,401.76	40.109152	-104.772791
- plan misses target center by 185.3ft at 8468.6ft MD (8009.0 TVD, -699.3 N, 2095.4 E)									
- Polygon									
Point 1			8,009.0	0.0	0.0	1,283,442.28	3,203,401.76		
Point 2			8,009.0	200.0	0.0	1,283,642.27	3,203,400.13		
Point 3			8,009.0	0.0	0.0	1,283,442.28	3,203,401.76		
Point 4			8,009.0	0.0	-200.0	1,283,440.66	3,203,201.77		
TARGET CIRCLE 24"	0.00	0.00	7,135.0	-699.3	2,095.4	1,283,597.46	3,203,300.50	40.109580	-104.773149
- plan hits target center									
- Circle (radius 100.0)									
DRILL TARGET BHL	0.00	0.00	6,100.0	-699.3	2,095.4	1,283,597.46	3,203,300.50	40.109580	-104.773149
- plan hits target center									
- Point									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
907.2	900.0	8 5/8"	8-5/8	12-1/4

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
793.2	789.0	BASE FOX HILLS		0.00		
4,926.6	4,544.0	SUSSEX		0.00		
5,065.3	4,669.0	SUSSEX PAY TOP		0.00		
5,180.7	4,773.0	SUSSEX MARKER		0.00		
5,520.0	5,083.0	SHANNON		0.00		
6,802.6	6,343.0	TEEPEE BUTTES		0.00		
7,547.6	7,088.0	SHARON SPRINGS		0.00		
7,594.6	7,135.0	NIOBRARA		0.00		
7,870.6	7,411.0	FT. HAYES		0.00		
7,884.6	7,425.0	CODELL		0.00		
7,908.6	7,449.0	FAIRPORT		0.00		
7,942.6	7,483.0	GREENHORN		0.00		
8,152.6	7,693.0	GRANEROS		0.00		
8,306.6	7,847.0	MOWRY		0.00		
8,318.6	7,859.0	J-SAND		0.00		
8,397.6	7,938.0	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 8-4-28

Wellbore #1

Plan #1 (4-02-12)

Anticollision Report

04 April, 2012

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)
Reference Site:	Maier 31-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (4-02-12)	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date 4/4/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	8,468.6	Plan #1 (4-02-12) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Maier 31-28 Pad Sec.28-T2N-R66W						
Angela #1 (Exist.) - Wellbore #1 - Design #1	1,027.1	1,017.7	37.2	31.9	6.993	CC, ES, SF
Maier 31-28 - Wellbore #1 - Plan #1 (4-02-12)	200.0	200.0	18.2	17.5	27.019	CC, ES
Maier 31-28 - Wellbore #1 - Plan #1 (4-02-12)	400.0	398.2	28.0	26.4	17.745	SF
Maier 32-28 (Exist.) - Wellbore #1 - Design #1	711.0	708.3	22.8	19.7	7.227	CC, ES, SF
Maier 4-2-28 - Wellbore #1 - Plan #1 (4-02-12)	200.0	200.0	10.9	10.3	16.208	CC, ES
Maier 4-2-28 - Wellbore #1 - Plan #1 (4-02-12)	400.0	399.8	14.7	13.2	9.454	SF
Maier 4-4-28 - Wellbore #1 - Plan #1 (4-02-12)	340.8	340.7	10.4	9.1	8.033	CC, ES
Maier 4-4-28 - Wellbore #1 - Plan #1 (4-02-12)	400.0	399.8	10.9	9.4	7.046	SF

Offset Design Maier 31-28 Pad Sec.28-T2N-R66W - Angela #1 (Exist.) - Wellbore #1 - Design #1												Offset Site Error: 0.0 ft	
Survey Program: 0-MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
0.0	0.0	2.0	2.0	0.0	0.0	125.89	-72.9	100.7	124.3	124.3	0.00	N/A	
100.0	100.0	102.0	102.0	0.1	0.1	125.89	-72.9	100.7	124.3	124.1	0.23	542.130	
200.0	200.0	202.0	202.0	0.3	0.3	125.89	-72.9	100.7	124.3	123.6	0.68	183.103	
300.0	300.0	302.0	302.0	0.5	0.6	17.69	-72.9	100.7	122.6	121.5	1.12	109.482	
400.0	399.8	401.8	401.8	0.8	0.8	18.49	-72.9	100.7	117.6	116.1	1.56	75.255	
500.0	499.5	501.5	501.5	1.0	1.0	20.00	-72.9	100.7	109.4	107.4	2.02	54.259	
600.0	598.7	600.7	600.7	1.3	1.2	22.52	-72.9	100.7	98.0	95.6	2.48	39.544	
700.0	697.5	699.5	699.5	1.6	1.5	26.74	-72.9	100.7	83.8	80.8	2.96	28.303	
800.0	795.6	797.6	797.6	2.0	1.7	34.22	-72.9	100.7	67.2	63.7	3.49	19.275	
900.0	893.1	895.1	895.1	2.5	1.9	48.89	-72.9	100.7	50.1	45.9	4.15	12.061	
1,000.0	989.6	991.6	991.6	3.0	2.1	78.89	-72.9	100.7	38.0	32.9	5.08	7.488	
1,027.1	1,015.7	1,017.7	1,017.7	3.2	2.2	90.00	-72.9	100.7	37.2	31.9	5.32	6.993 CC, ES, SF	
1,100.0	1,085.3	1,087.3	1,087.3	3.6	2.3	118.92	-72.9	100.7	43.1	37.4	5.70	7.553	
1,200.0	1,179.8	1,181.8	1,181.8	4.2	2.5	143.82	-72.9	100.7	65.7	59.8	5.90	11.139	
1,300.0	1,273.2	1,275.2	1,275.2	5.0	2.8	155.96	-72.9	100.7	97.4	91.2	6.18	15.763	
1,400.0	1,365.2	1,367.2	1,367.2	5.8	3.0	162.48	-72.9	100.7	134.4	127.8	6.55	20.517	
1,500.0	1,455.9	1,457.9	1,457.9	6.6	3.2	166.44	-72.9	100.7	175.3	168.3	6.97	25.154	
1,600.0	1,546.0	1,548.0	1,548.0	7.5	3.4	169.10	-72.9	100.7	217.9	210.4	7.45	29.244	
1,700.0	1,636.1	1,638.1	1,638.1	8.5	3.6	170.90	-72.9	100.7	260.7	252.7	7.95	32.782	
1,800.0	1,726.2	1,728.2	1,728.2	9.4	3.8	172.19	-72.9	100.7	303.6	295.1	8.47	35.860	

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

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)
Reference Site:	Maier 31-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (4-02-12)	Offset TVD Reference:	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	
1,900.0	1,816.4	1,818.4	1,818.4	10.3	4.0	173.16	-72.9	100.7	346.7	337.7	8.99	38.556	
2,000.0	1,906.5	1,908.5	1,908.5	11.3	4.2	173.92	-72.9	100.7	389.8	380.2	9.52	40.932	
2,100.0	1,996.6	1,998.6	1,998.6	12.2	4.4	174.53	-72.9	100.7	432.9	422.9	10.06	43.039	
2,200.0	2,086.7	2,088.7	2,088.7	13.1	4.6	175.03	-72.9	100.7	476.1	465.5	10.60	44.919	
2,300.0	2,176.8	2,178.8	2,178.8	14.1	4.8	175.44	-72.9	100.7	519.3	508.2	11.14	46.606	
2,400.0	2,267.0	2,269.0	2,269.0	15.0	5.0	175.79	-72.9	100.7	562.6	550.9	11.69	48.126	
2,500.0	2,357.1	2,359.1	2,359.1	16.0	5.2	176.09	-72.9	100.7	605.8	593.6	12.24	49.503	
2,600.0	2,447.2	2,449.2	2,449.2	16.9	5.4	176.35	-72.9	100.7	649.1	636.3	12.79	50.755	
2,700.0	2,537.3	2,539.3	2,539.3	17.8	5.6	176.58	-72.9	100.7	692.3	679.0	13.34	51.899	
2,800.0	2,627.5	2,629.5	2,629.5	18.8	5.8	176.78	-72.9	100.7	735.6	721.7	13.89	52.947	
2,900.0	2,717.6	2,719.6	2,719.6	19.7	6.0	176.96	-72.9	100.7	778.9	764.4	14.45	53.911	
3,000.0	2,807.7	2,809.7	2,809.7	20.7	6.2	177.12	-72.9	100.7	822.2	807.2	15.00	54.799	
3,100.0	2,897.8	2,899.8	2,899.8	21.6	6.4	177.26	-72.9	100.7	865.5	849.9	15.56	55.622	
3,200.0	2,987.9	2,989.9	2,989.9	22.6	6.6	177.39	-72.9	100.7	908.8	892.6	16.12	56.384	
3,300.0	3,078.1	3,080.1	3,080.1	23.5	6.8	177.51	-72.9	100.7	952.1	935.4	16.68	57.094	
3,400.0	3,168.2	3,170.2	3,170.2	24.5	7.0	177.62	-72.9	100.7	995.4	978.1	17.23	57.755	
3,500.0	3,258.3	3,260.3	3,260.3	25.4	7.2	177.72	-72.9	100.7	1,038.7	1,020.9	17.79	58.372	
3,600.0	3,348.4	3,350.4	3,350.4	26.4	7.4	177.81	-72.9	100.7	1,082.0	1,063.6	18.35	58.951	
3,700.0	3,438.6	3,440.6	3,440.6	27.3	7.6	177.90	-72.9	100.7	1,125.3	1,106.4	18.91	59.493	
3,800.0	3,528.7	3,530.7	3,530.7	28.3	7.8	177.97	-72.9	100.7	1,168.6	1,149.1	19.48	60.002	
3,900.0	3,618.8	3,620.8	3,620.8	29.2	8.0	178.05	-72.9	100.7	1,211.9	1,191.9	20.04	60.482	
4,000.0	3,708.9	3,710.9	3,710.9	30.1	8.2	178.11	-72.9	100.7	1,255.2	1,234.6	20.60	60.934	
4,100.0	3,799.1	3,801.1	3,801.1	31.1	8.4	178.18	-72.9	100.7	1,298.5	1,277.4	21.16	61.361	
4,200.0	3,889.2	3,891.2	3,891.2	32.0	8.6	178.24	-72.9	100.7	1,341.9	1,320.1	21.73	61.764	
4,300.0	3,979.3	3,981.3	3,981.3	33.0	8.8	178.29	-72.9	100.7	1,385.2	1,362.9	22.29	62.146	
4,400.0	4,069.4	4,071.4	4,071.4	33.9	9.0	178.34	-72.9	100.7	1,428.5	1,405.7	22.85	62.509	
4,500.0	4,159.5	4,161.5	4,161.5	34.9	9.2	178.39	-72.9	100.7	1,471.8	1,448.4	23.42	62.852	
4,600.0	4,249.7	4,251.7	4,251.7	35.8	9.4	178.44	-72.9	100.7	1,515.1	1,491.2	23.98	63.179	
4,700.0	4,339.8	4,341.8	4,341.8	36.8	9.6	178.48	-72.9	100.7	1,558.5	1,533.9	24.55	63.490	
4,800.0	4,429.9	4,431.9	4,431.9	37.7	9.8	178.52	-72.9	100.7	1,601.8	1,576.7	25.11	63.786	
4,900.0	4,520.0	4,522.0	4,522.0	38.7	10.1	178.56	-72.9	100.7	1,645.1	1,619.4	25.68	64.068	
5,000.0	4,610.2	4,612.2	4,612.2	39.6	10.3	178.60	-72.9	100.7	1,688.4	1,662.2	26.24	64.337	
5,100.0	4,700.3	4,702.3	4,702.3	40.6	10.5	178.63	-72.9	100.7	1,731.8	1,705.0	26.81	64.594	
5,200.0	4,790.4	4,792.4	4,792.4	41.5	10.7	178.67	-72.9	100.7	1,775.1	1,747.7	27.38	64.840	
5,300.0	4,880.6	4,882.6	4,882.6	42.5	10.9	178.70	-72.9	100.7	1,818.3	1,790.3	27.98	64.996	
5,400.0	4,971.8	4,973.8	4,973.8	43.2	11.1	178.75	-72.9	100.7	1,859.3	1,830.7	28.64	64.928	
5,500.0	5,064.4	5,066.4	5,066.4	43.8	11.3	178.79	-72.9	100.7	1,897.1	1,867.8	29.26	64.842	
5,600.0	5,158.2	5,160.2	5,160.2	44.5	11.5	178.83	-72.9	100.7	1,931.6	1,901.7	29.84	64.739	
5,700.0	5,253.2	5,255.2	5,255.2	45.0	11.7	178.86	-72.9	100.7	1,962.8	1,932.4	30.37	64.624	
5,800.0	5,349.2	5,351.2	5,351.2	45.5	11.9	178.89	-72.9	100.7	1,990.7	1,959.8	30.86	64.499	
5,900.0	5,446.2	5,448.2	5,448.2	45.9	12.1	178.91	-72.9	100.7	2,015.2	1,983.9	31.31	64.364	
6,000.0	5,543.9	5,545.9	5,545.9	46.3	12.4	178.93	-72.9	100.7	2,036.3	2,004.6	31.71	64.223	
6,100.0	5,642.3	5,644.3	5,644.3	46.6	12.6	178.95	-72.9	100.7	2,054.0	2,021.9	32.06	64.074	
6,200.0	5,741.3	5,743.3	5,743.3	46.8	12.8	178.96	-72.9	100.7	2,068.2	2,035.9	32.36	63.920	
6,300.0	5,840.7	5,842.7	5,842.7	47.0	13.0	178.97	-72.9	100.7	2,079.0	2,046.4	32.61	63.761	
6,400.0	5,940.5	5,942.5	5,942.5	47.2	13.2	178.98	-72.9	100.7	2,086.3	2,053.5	32.81	63.596	
6,500.0	6,040.4	6,042.4	6,042.4	47.3	13.5	178.98	-72.9	100.7	2,090.1	2,057.2	32.95	63.426	
6,600.0	6,140.4	6,142.4	6,142.4	47.3	13.7	-72.56	-72.9	100.7	2,090.8	2,057.6	33.16	63.043	
6,700.0	6,240.4	6,242.4	6,242.4	47.4	13.9	-72.56	-72.9	100.7	2,090.8	2,057.2	33.51	62.384	
6,800.0	6,340.4	6,342.4	6,342.4	47.5	14.1	-72.56	-72.9	100.7	2,090.8	2,056.9	33.87	61.735	
6,900.0	6,440.4	6,442.4	6,442.4	47.5	14.4	-72.56	-72.9	100.7	2,090.8	2,056.5	34.22	61.096	
7,000.0	6,540.4	6,542.4	6,542.4	47.6	14.6	-72.56	-72.9	100.7	2,090.8	2,056.2	34.58	60.467	

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

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Site Error:	0.0ft	North Reference:	True
Reference Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (4-02-12)	Offset TVD Reference:	Offset Datum

Offset Design Maier 31-28 Pad Sec.28-T2N-R66W - Angela #1 (Exist.) - Wellbore #1 - Design #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	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
7,100.0	6,640.4	6,642.4	6,642.4	47.6	14.8	-72.56	-72.9	100.7	2,090.8	2,055.8	34.93	59.849	
7,200.0	6,740.4	6,742.4	6,742.4	47.7	15.0	-72.56	-72.9	100.7	2,090.8	2,055.5	35.29	59.240	
7,300.0	6,840.4	6,842.4	6,842.4	47.8	15.3	-72.56	-72.9	100.7	2,090.8	2,055.1	35.65	58.641	
7,400.0	6,940.4	6,942.4	6,942.4	47.8	15.5	-72.56	-72.9	100.7	2,090.8	2,054.7	36.02	58.051	
7,500.0	7,040.4	7,042.4	7,042.4	47.9	15.7	-72.56	-72.9	100.7	2,090.8	2,054.4	36.38	57.471	
7,600.0	7,140.4	7,142.4	7,142.4	48.0	15.9	-72.56	-72.9	100.7	2,090.8	2,054.0	36.74	56.899	
7,700.0	7,240.4	7,242.4	7,242.4	48.0	16.2	-72.56	-72.9	100.7	2,090.8	2,053.6	37.11	56.337	
7,800.0	7,340.4	7,342.4	7,342.4	48.1	16.4	-72.56	-72.9	100.7	2,090.8	2,053.3	37.48	55.784	
7,900.0	7,440.4	7,442.4	7,442.4	48.2	16.6	-72.56	-72.9	100.7	2,090.8	2,052.9	37.85	55.239	
8,000.0	7,540.4	7,542.4	7,542.4	48.3	16.8	-72.56	-72.9	100.7	2,090.8	2,052.5	38.22	54.703	
8,100.0	7,640.4	7,642.4	7,642.4	48.3	17.1	-72.56	-72.9	100.7	2,090.8	2,052.2	38.59	54.175	
8,200.0	7,740.4	7,742.4	7,742.4	48.4	17.3	-72.56	-72.9	100.7	2,090.8	2,051.8	38.97	53.656	
8,300.0	7,840.4	7,842.4	7,842.4	48.5	17.5	-72.56	-72.9	100.7	2,090.8	2,051.4	39.34	53.144	
8,400.0	7,940.4	7,942.4	7,942.4	48.6	17.7	-72.56	-72.9	100.7	2,090.8	2,051.0	39.72	52.641	
8,441.4	7,981.8	7,983.8	7,983.8	48.6	17.8	-72.56	-72.9	100.7	2,090.8	2,050.9	39.87	52.435	
8,468.6	8,009.0	8,000.0	8,000.0	48.6	17.9	-72.56	-72.9	100.7	2,090.8	2,050.8	39.95	52.333	

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Site Error:	0.0ft	North Reference:	True
Reference Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (4-02-12)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0ft
Survey Program: 0-MWWD													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 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	0.00	18.2	0.0	18.2	18.2	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	0.00	18.2	0.0	18.2	18.0	0.22	81.057		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	18.2	0.0	18.2	17.5	0.67	27.019 CC, ES		
300.0	300.0	299.3	299.3	0.5	0.6	-112.54	19.9	0.2	20.6	19.4	1.11	18.446		
400.0	399.8	398.2	398.0	0.8	0.8	-120.52	25.0	0.7	28.0	26.4	1.58	17.745 SF		
500.0	499.5	496.1	495.6	1.0	1.0	-127.12	33.4	1.5	40.9	38.8	2.06	19.800		
600.0	598.7	592.9	591.6	1.3	1.3	-131.38	45.0	2.6	59.3	56.7	2.58	22.988		
700.0	697.5	687.9	685.5	1.6	1.6	-133.97	59.5	4.0	83.1	79.9	3.13	26.572		
800.0	795.6	780.9	776.9	2.0	1.9	-135.53	76.6	5.6	112.0	108.3	3.71	30.199		
900.0	893.1	871.6	865.4	2.5	2.3	-136.47	96.2	7.5	145.9	141.6	4.33	33.690		
1,000.0	989.6	962.4	953.6	3.0	2.7	-137.13	118.1	9.6	184.2	179.2	4.99	36.891		
1,100.0	1,085.3	1,053.5	1,042.0	3.6	3.2	-137.96	140.2	11.7	225.1	219.4	5.68	39.594		
1,200.0	1,179.8	1,143.5	1,129.2	4.2	3.6	-138.86	162.0	13.8	268.4	262.0	6.40	41.927		
1,300.0	1,273.2	1,232.0	1,215.0	5.0	4.0	-139.75	183.5	15.9	314.3	307.2	7.15	43.969		
1,400.0	1,365.2	1,319.1	1,299.5	5.8	4.4	-140.59	204.7	17.9	362.7	354.8	7.92	45.773		
1,500.0	1,455.9	1,404.7	1,382.5	6.6	4.9	-141.50	225.5	19.9	413.6	404.9	8.72	47.420		
1,600.0	1,546.0	1,489.8	1,465.0	7.5	5.3	-142.80	246.1	21.9	465.6	456.0	9.55	48.739		
1,700.0	1,636.1	1,574.8	1,547.5	8.5	5.7	-143.85	266.8	23.9	517.7	507.3	10.39	49.840		
1,800.0	1,726.2	1,659.8	1,629.9	9.4	6.1	-144.70	287.4	25.8	569.8	558.6	11.22	50.772		
1,900.0	1,816.4	1,744.8	1,712.4	10.3	6.5	-145.41	308.1	27.8	622.1	610.0	12.06	51.570		
2,000.0	1,906.5	1,829.9	1,794.8	11.3	7.0	-146.01	328.7	29.8	674.4	661.5	12.90	52.260		
2,100.0	1,996.6	1,914.9	1,877.3	12.2	7.4	-146.53	349.4	31.8	726.8	713.0	13.75	52.861		
2,200.0	2,086.7	1,999.9	1,959.8	13.1	7.8	-146.97	370.0	33.8	779.2	764.6	14.59	53.390		
2,300.0	2,176.8	2,085.0	2,042.2	14.1	8.2	-147.36	390.7	35.7	831.6	816.1	15.44	53.858		
2,400.0	2,267.0	2,170.0	2,124.7	15.0	8.7	-147.71	411.3	37.7	884.0	867.7	16.29	54.274		
2,500.0	2,357.1	2,255.0	2,207.1	16.0	9.1	-148.01	432.0	39.7	936.5	919.4	17.14	54.648		
2,600.0	2,447.2	2,340.0	2,289.6	16.9	9.5	-148.28	452.6	41.7	989.0	971.0	17.99	54.985		
2,700.0	2,537.3	2,425.1	2,372.0	17.8	9.9	-148.53	473.3	43.7	1,041.5	1,022.7	18.84	55.290		
2,800.0	2,627.5	2,510.1	2,454.5	18.8	10.4	-148.75	493.9	45.6	1,094.0	1,074.3	19.69	55.567		
2,900.0	2,717.6	2,595.1	2,537.0	19.7	10.8	-148.95	514.5	47.6	1,146.6	1,126.0	20.54	55.820		
3,000.0	2,807.7	2,680.1	2,619.4	20.7	11.2	-149.14	535.2	49.6	1,199.1	1,177.7	21.39	56.052		
3,100.0	2,897.8	2,765.2	2,701.9	21.6	11.6	-149.31	555.8	51.6	1,251.6	1,229.4	22.25	56.265		
3,200.0	2,987.9	2,850.2	2,784.3	22.6	12.1	-149.46	576.5	53.6	1,304.2	1,281.1	23.10	56.461		
3,300.0	3,078.1	2,935.2	2,866.8	23.5	12.5	-149.60	597.1	55.6	1,356.7	1,332.8	23.95	56.643		
3,400.0	3,168.2	3,020.2	2,949.2	24.5	12.9	-149.74	617.8	57.5	1,409.3	1,384.5	24.81	56.811		
3,500.0	3,258.3	3,105.3	3,031.7	25.4	13.3	-149.86	638.4	59.5	1,461.9	1,436.2	25.66	56.968		
3,600.0	3,348.4	3,190.3	3,114.2	26.4	13.8	-149.97	659.1	61.5	1,514.5	1,487.9	26.52	57.114		
3,700.0	3,438.6	3,275.3	3,196.6	27.3	14.2	-150.08	679.7	63.5	1,567.0	1,539.7	27.37	57.251		
3,800.0	3,528.7	3,360.4	3,279.1	28.3	14.6	-150.18	700.4	65.5	1,619.6	1,591.4	28.23	57.378		
3,900.0	3,618.8	3,445.4	3,361.5	29.2	15.0	-150.27	721.0	67.4	1,672.2	1,643.1	29.08	57.498		
4,000.0	3,708.9	3,530.4	3,444.0	30.1	15.5	-150.36	741.7	69.4	1,724.8	1,694.9	29.94	57.610		
4,100.0	3,799.1	3,615.4	3,526.5	31.1	15.9	-150.44	762.3	71.4	1,777.4	1,746.6	30.80	57.716		
4,200.0	3,889.2	3,700.5	3,608.9	32.0	16.3	-150.52	783.0	73.4	1,830.0	1,798.3	31.65	57.815		
4,300.0	3,979.3	3,785.5	3,691.4	33.0	16.7	-150.59	803.6	75.4	1,882.6	1,850.1	32.51	57.909		
4,400.0	4,069.4	3,870.5	3,773.8	33.9	17.2	-150.66	824.3	77.3	1,935.2	1,901.8	33.37	57.998		
4,500.0	4,159.5	3,955.5	3,856.3	34.9	17.6	-150.73	844.9	79.3	1,987.8	1,953.5	34.22	58.082		
4,600.0	4,249.7	4,040.6	3,938.7	35.8	18.0	-150.79	865.5	81.3	2,040.4	2,005.3	35.08	58.162		
4,700.0	4,339.8	4,125.6	4,021.2	36.8	18.5	-150.85	886.2	83.3	2,093.0	2,057.0	35.94	58.237		
4,800.0	4,429.9	4,210.6	4,103.7	37.7	18.9	-150.91	906.8	85.3	2,145.6	2,108.8	36.80	58.309		
4,900.0	4,520.0	4,295.6	4,186.1	38.7	19.3	-150.96	927.5	87.3	2,198.2	2,160.5	37.66	58.377		
5,000.0	4,610.2	4,380.7	4,268.6	39.6	19.7	-151.01	948.1	89.2	2,250.8	2,212.3	38.51	58.442		
5,100.0	4,700.3	4,465.7	4,351.0	40.6	20.2	-151.06	968.8	91.2	2,303.4	2,264.0	39.37	58.503		

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

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)
Reference Site:	Maier 31-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (4-02-12)	Offset TVD Reference:	Offset Datum

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						
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	4,790.4	4,550.7	4,433.5	41.5	20.6	-151.11	989.4	93.2	2,356.0	2,315.8	40.23	58.562	
5,300.0	4,880.6	4,635.8	4,516.0	42.5	21.0	-151.30	1,010.1	95.2	2,408.6	2,367.4	41.11	58.590	
5,400.0	4,971.8	4,722.0	4,599.6	43.2	21.5	-151.86	1,031.0	97.2	2,459.2	2,417.2	42.00	58.554	
5,500.0	5,064.4	4,809.7	4,684.7	43.8	21.9	-152.34	1,052.3	99.2	2,507.2	2,464.3	42.87	58.482	
5,600.0	5,158.2	4,898.9	4,771.1	44.5	22.3	-152.73	1,074.0	101.3	2,552.4	2,508.7	43.72	58.382	
5,700.0	5,253.2	4,989.3	4,858.8	45.0	22.8	-153.05	1,095.9	103.4	2,594.9	2,550.4	44.54	58.257	
5,800.0	5,349.2	5,080.9	4,947.6	45.5	23.3	-153.30	1,118.2	105.5	2,634.5	2,589.2	45.33	58.113	
5,900.0	5,446.2	5,226.3	5,089.0	45.9	23.9	-153.39	1,152.1	108.8	2,671.0	2,624.7	46.27	57.726	
6,000.0	5,543.9	5,458.2	5,317.3	46.3	24.6	-153.45	1,192.2	112.6	2,700.6	2,653.3	47.23	57.173	
6,100.0	5,642.3	5,699.0	5,557.0	46.6	25.1	-153.69	1,214.2	114.8	2,722.1	2,674.2	47.94	56.783	
6,200.0	5,741.3	5,883.4	5,741.3	46.8	25.3	-154.00	1,217.7	115.1	2,735.9	2,687.6	48.32	56.617	
6,300.0	5,840.7	5,982.8	5,840.7	47.0	25.4	-154.19	1,217.7	115.1	2,745.6	2,697.0	48.57	56.530	
6,400.0	5,940.5	6,082.5	5,940.5	47.2	25.5	-154.31	1,217.7	115.1	2,752.2	2,703.4	48.77	56.430	
6,500.0	6,040.4	6,182.4	6,040.4	47.3	25.7	-154.38	1,217.7	115.1	2,755.6	2,706.7	48.93	56.317	
6,600.0	6,140.4	6,282.4	6,140.4	47.3	25.8	-45.93	1,217.7	115.1	2,756.2	2,707.1	49.10	56.140	
6,700.0	6,240.4	6,382.4	6,240.4	47.4	25.9	-45.93	1,217.7	115.1	2,756.2	2,706.9	49.32	55.884	
6,800.0	6,340.4	6,482.4	6,340.4	47.5	26.0	-45.93	1,217.7	115.1	2,756.2	2,706.6	49.55	55.626	
6,900.0	6,440.4	6,582.4	6,440.4	47.5	26.1	-45.93	1,217.7	115.1	2,756.2	2,706.4	49.78	55.368	
7,000.0	6,540.4	6,682.4	6,540.4	47.6	26.2	-45.93	1,217.7	115.1	2,756.2	2,706.2	50.01	55.109	
7,100.0	6,640.4	6,782.4	6,640.4	47.6	26.3	-45.93	1,217.7	115.1	2,756.2	2,705.9	50.25	54.849	
7,200.0	6,740.4	6,882.4	6,740.4	47.7	26.4	-45.93	1,217.7	115.1	2,756.2	2,705.7	50.49	54.589	
7,300.0	6,840.4	6,982.4	6,840.4	47.8	26.6	-45.93	1,217.7	115.1	2,756.2	2,705.5	50.73	54.328	
7,400.0	6,940.4	7,082.4	6,940.4	47.8	26.7	-45.93	1,217.7	115.1	2,756.2	2,705.2	50.98	54.066	
7,500.0	7,040.4	7,182.4	7,040.4	47.9	26.8	-45.93	1,217.7	115.1	2,756.2	2,705.0	51.23	53.804	
7,600.0	7,140.4	7,282.4	7,140.4	48.0	26.9	-45.93	1,217.7	115.1	2,756.2	2,704.7	51.48	53.542	
7,700.0	7,240.4	7,382.4	7,240.4	48.0	27.1	-45.93	1,217.7	115.1	2,756.2	2,704.5	51.73	53.280	
7,800.0	7,340.4	7,482.4	7,340.4	48.1	27.2	-45.93	1,217.7	115.1	2,756.2	2,704.2	51.99	53.017	
7,900.0	7,440.4	7,582.4	7,440.4	48.2	27.3	-45.93	1,217.7	115.1	2,756.2	2,703.9	52.25	52.755	
8,000.0	7,540.4	7,682.4	7,540.4	48.3	27.4	-45.93	1,217.7	115.1	2,756.2	2,703.7	52.51	52.492	
8,100.0	7,640.4	7,782.4	7,640.4	48.3	27.6	-45.93	1,217.7	115.1	2,756.2	2,703.4	52.77	52.230	
8,200.0	7,740.4	7,882.4	7,740.4	48.4	27.7	-45.93	1,217.7	115.1	2,756.2	2,703.1	53.04	51.968	
8,300.0	7,840.4	7,982.4	7,840.4	48.5	27.8	-45.93	1,217.7	115.1	2,756.2	2,702.9	53.31	51.706	
8,400.0	7,940.4	8,082.4	7,940.4	48.6	28.0	-45.93	1,217.7	115.1	2,756.2	2,702.6	53.58	51.444	
8,468.6	8,009.0	8,151.0	8,009.0	48.6	28.1	-45.93	1,217.7	115.1	2,756.2	2,702.4	53.76	51.265	

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)
Reference Site:	Maier 31-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (4-02-12)	Offset TVD Reference:	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	81.77	7.3	50.3	50.9					
100.0	100.0	100.0	100.0	0.1	0.1	81.77	7.3	50.3	50.9	50.6	0.22	226.332		
200.0	200.0	200.0	200.0	0.3	0.3	81.77	7.3	50.3	50.9	50.2	0.67	75.444		
300.0	300.0	300.0	300.0	0.5	0.6	-27.61	7.3	50.3	49.3	48.2	1.11	44.245		
400.0	399.8	399.8	399.8	0.8	0.8	-30.77	7.3	50.3	44.7	43.2	1.56	28.712		
500.0	499.5	499.5	499.5	1.0	1.0	-37.67	7.3	50.3	37.5	35.5	2.02	18.580		
600.0	598.7	598.7	598.7	1.3	1.2	-52.71	7.3	50.3	28.8	26.3	2.52	11.451		
700.0	697.5	697.5	697.5	1.6	1.5	-85.25	7.3	50.3	22.9	19.8	3.10	7.409		
711.0	708.3	708.3	708.3	1.7	1.5	-90.00	7.3	50.3	22.8	19.7	3.16	7.227	CC, ES, SF	
800.0	795.6	795.6	795.6	2.0	1.7	-126.29	7.3	50.3	28.6	25.0	3.59	7.959		
900.0	893.1	893.1	893.1	2.5	1.9	-149.29	7.3	50.3	45.8	41.8	3.99	11.480		
1,000.0	989.6	989.6	989.6	3.0	2.1	-160.06	7.3	50.3	69.4	65.0	4.41	15.741		
1,100.0	1,085.3	1,085.3	1,085.3	3.6	2.3	-165.77	7.3	50.3	97.5	92.6	4.85	20.082		
1,200.0	1,179.8	1,179.8	1,179.8	4.2	2.5	-169.19	7.3	50.3	129.4	124.0	5.31	24.350		
1,300.0	1,273.2	1,273.2	1,273.2	5.0	2.7	-171.41	7.3	50.3	164.7	159.0	5.78	28.513		
1,400.0	1,365.2	1,365.2	1,365.2	5.8	3.0	-172.95	7.3	50.3	203.5	197.3	6.25	32.568		
1,500.0	1,455.9	1,455.9	1,455.9	6.6	3.2	-174.08	7.3	50.3	245.5	238.8	6.73	36.479		
1,600.0	1,546.0	1,546.0	1,546.0	7.5	3.4	-174.97	7.3	50.3	288.7	281.4	7.25	39.803		
1,700.0	1,636.1	1,636.1	1,636.1	8.5	3.6	-175.62	7.3	50.3	331.9	324.1	7.78	42.648		
1,800.0	1,726.2	1,726.2	1,726.2	9.4	3.8	-176.13	7.3	50.3	375.1	366.8	8.32	45.106		
1,900.0	1,816.4	1,816.4	1,816.4	10.3	4.0	-176.53	7.3	50.3	418.4	409.5	8.86	47.246		
2,000.0	1,906.5	1,906.5	1,906.5	11.3	4.2	-176.85	7.3	50.3	461.7	452.3	9.40	49.125		
2,100.0	1,996.6	1,996.6	1,996.6	12.2	4.4	-177.12	7.3	50.3	505.0	495.0	9.94	50.785		
2,200.0	2,086.7	2,086.7	2,086.7	13.1	4.6	-177.35	7.3	50.3	548.3	537.8	10.49	52.261		
2,300.0	2,176.8	2,176.8	2,176.8	14.1	4.8	-177.54	7.3	50.3	591.6	580.5	11.04	53.582		
2,400.0	2,267.0	2,267.0	2,267.0	15.0	5.0	-177.71	7.3	50.3	634.9	623.3	11.59	54.771		
2,500.0	2,357.1	2,357.1	2,357.1	16.0	5.2	-177.86	7.3	50.3	678.2	666.0	12.14	55.845		
2,600.0	2,447.2	2,447.2	2,447.2	16.9	5.4	-177.99	7.3	50.3	721.5	708.8	12.70	56.820		
2,700.0	2,537.3	2,537.3	2,537.3	17.8	5.6	-178.10	7.3	50.3	764.8	751.5	13.25	57.708		
2,800.0	2,627.5	2,627.5	2,627.5	18.8	5.8	-178.20	7.3	50.3	808.1	794.3	13.81	58.522		
2,900.0	2,717.6	2,717.6	2,717.6	19.7	6.0	-178.29	7.3	50.3	851.4	837.1	14.37	59.268		
3,000.0	2,807.7	2,807.7	2,807.7	20.7	6.2	-178.38	7.3	50.3	894.8	879.8	14.92	59.956		
3,100.0	2,897.8	2,897.8	2,897.8	21.6	6.4	-178.45	7.3	50.3	938.1	922.6	15.48	60.592		
3,200.0	2,987.9	2,987.9	2,987.9	22.6	6.6	-178.52	7.3	50.3	981.4	965.4	16.04	61.181		
3,300.0	3,078.1	3,078.1	3,078.1	23.5	6.8	-178.58	7.3	50.3	1,024.7	1,008.1	16.60	61.727		
3,400.0	3,168.2	3,168.2	3,168.2	24.5	7.0	-178.64	7.3	50.3	1,068.0	1,050.9	17.16	62.237		
3,500.0	3,258.3	3,258.3	3,258.3	25.4	7.2	-178.69	7.3	50.3	1,111.4	1,093.6	17.72	62.712		
3,600.0	3,348.4	3,348.4	3,348.4	26.4	7.4	-178.74	7.3	50.3	1,154.7	1,136.4	18.28	63.156		
3,700.0	3,438.6	3,438.6	3,438.6	27.3	7.6	-178.79	7.3	50.3	1,198.0	1,179.2	18.85	63.572		
3,800.0	3,528.7	3,528.7	3,528.7	28.3	7.8	-178.83	7.3	50.3	1,241.3	1,221.9	19.41	63.963		
3,900.0	3,618.8	3,618.8	3,618.8	29.2	8.0	-178.87	7.3	50.3	1,284.7	1,264.7	19.97	64.331		
4,000.0	3,708.9	3,708.9	3,708.9	30.1	8.2	-178.91	7.3	50.3	1,328.0	1,307.5	20.53	64.677		
4,100.0	3,799.1	3,799.1	3,799.1	31.1	8.4	-178.94	7.3	50.3	1,371.3	1,350.2	21.10	65.003		
4,200.0	3,889.2	3,889.2	3,889.2	32.0	8.6	-178.97	7.3	50.3	1,414.7	1,393.0	21.66	65.311		
4,300.0	3,979.3	3,979.3	3,979.3	33.0	8.8	-179.00	7.3	50.3	1,458.0	1,435.8	22.22	65.603		
4,400.0	4,069.4	4,069.4	4,069.4	33.9	9.0	-179.03	7.3	50.3	1,501.3	1,478.5	22.79	65.879		
4,500.0	4,159.5	4,159.5	4,159.5	34.9	9.2	-179.06	7.3	50.3	1,544.7	1,521.3	23.35	66.141		
4,600.0	4,249.7	4,249.7	4,249.7	35.8	9.4	-179.09	7.3	50.3	1,588.0	1,564.1	23.92	66.390		
4,700.0	4,339.8	4,339.8	4,339.8	36.8	9.6	-179.11	7.3	50.3	1,631.3	1,606.8	24.48	66.626		
4,800.0	4,429.9	4,429.9	4,429.9	37.7	9.8	-179.13	7.3	50.3	1,674.6	1,649.6	25.05	66.851		
4,900.0	4,520.0	4,520.0	4,520.0	38.7	10.0	-179.15	7.3	50.3	1,718.0	1,692.4	25.62	67.065		
5,000.0	4,610.2	4,610.2	4,610.2	39.6	10.2	-179.18	7.3	50.3	1,761.3	1,735.1	26.18	67.269		

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

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)
Reference Site:	Maier 31-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (4-02-12)	Offset TVD Reference:	Offset Datum

Offset Design Maier 31-28 Pad Sec.28-T2N-R66W - Maier 32-28 (Exist.) - Wellbore #1 - Design #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	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
5,100.0	4,700.3	4,700.3	4,700.3	40.6	10.5	-179.20	7.3	50.3	1,804.6	1,777.9	26.75	67.464	
5,200.0	4,790.4	4,790.4	4,790.4	41.5	10.7	-179.21	7.3	50.3	1,848.0	1,820.6	27.32	67.650	
5,300.0	4,880.6	4,880.6	4,880.6	42.5	10.9	-179.23	7.3	50.3	1,891.2	1,863.3	27.92	67.744	
5,400.0	4,971.8	4,971.8	4,971.8	43.2	11.1	-179.26	7.3	50.3	1,932.2	1,903.6	28.58	67.605	
5,500.0	5,064.4	5,064.4	5,064.4	43.8	11.3	-179.29	7.3	50.3	1,969.9	1,940.7	29.20	67.455	
5,600.0	5,158.2	5,158.2	5,158.2	44.5	11.5	-179.31	7.3	50.3	2,004.5	1,974.7	29.79	67.296	
5,700.0	5,253.2	5,253.2	5,253.2	45.0	11.7	-179.33	7.3	50.3	2,035.7	2,005.4	30.32	67.131	
5,800.0	5,349.2	5,349.2	5,349.2	45.5	11.9	-179.34	7.3	50.3	2,063.6	2,032.7	30.82	66.961	
5,900.0	5,446.2	5,446.2	5,446.2	45.9	12.1	-179.36	7.3	50.3	2,088.1	2,056.8	31.26	66.788	
6,000.0	5,543.9	5,543.9	5,543.9	46.3	12.3	-179.37	7.3	50.3	2,109.2	2,077.5	31.66	66.612	
6,100.0	5,642.3	5,642.3	5,642.3	46.6	12.6	-179.38	7.3	50.3	2,126.9	2,094.9	32.01	66.435	
6,200.0	5,741.3	5,741.3	5,741.3	46.8	12.8	-179.38	7.3	50.3	2,141.1	2,108.8	32.32	66.257	
6,300.0	5,840.7	5,840.7	5,840.7	47.0	13.0	-179.39	7.3	50.3	2,151.9	2,119.4	32.57	66.078	
6,400.0	5,940.5	5,940.5	5,940.5	47.2	13.2	-179.39	7.3	50.3	2,159.2	2,126.5	32.77	65.897	
6,500.0	6,040.4	6,040.4	6,040.4	47.3	13.5	-179.39	7.3	50.3	2,163.1	2,130.1	32.92	65.716	
6,600.0	6,140.4	6,140.4	6,140.4	47.3	13.7	-70.94	7.3	50.3	2,163.7	2,130.6	33.13	65.317	
6,700.0	6,240.4	6,240.4	6,240.4	47.4	13.9	-70.94	7.3	50.3	2,163.7	2,130.2	33.48	64.632	
6,800.0	6,340.4	6,340.4	6,340.4	47.5	14.1	-70.94	7.3	50.3	2,163.7	2,129.8	33.83	63.958	
6,900.0	6,440.4	6,440.4	6,440.4	47.5	14.4	-70.94	7.3	50.3	2,163.7	2,129.5	34.18	63.295	
7,000.0	6,540.4	6,540.4	6,540.4	47.6	14.6	-70.94	7.3	50.3	2,163.7	2,129.1	34.54	62.642	
7,100.0	6,640.4	6,640.4	6,640.4	47.6	14.8	-70.94	7.3	50.3	2,163.7	2,128.8	34.90	62.000	
7,200.0	6,740.4	6,740.4	6,740.4	47.7	15.0	-70.94	7.3	50.3	2,163.7	2,128.4	35.26	61.368	
7,300.0	6,840.4	6,840.4	6,840.4	47.8	15.3	-70.94	7.3	50.3	2,163.7	2,128.1	35.62	60.746	
7,400.0	6,940.4	6,940.4	6,940.4	47.8	15.5	-70.94	7.3	50.3	2,163.7	2,127.7	35.98	60.134	
7,500.0	7,040.4	7,040.4	7,040.4	47.9	15.7	-70.94	7.3	50.3	2,163.7	2,127.3	36.35	59.531	
7,600.0	7,140.4	7,140.4	7,140.4	48.0	15.9	-70.94	7.3	50.3	2,163.7	2,127.0	36.71	58.938	
7,700.0	7,240.4	7,240.4	7,240.4	48.0	16.2	-70.94	7.3	50.3	2,163.7	2,126.6	37.08	58.355	
7,800.0	7,340.4	7,340.4	7,340.4	48.1	16.4	-70.94	7.3	50.3	2,163.7	2,126.2	37.45	57.781	
7,900.0	7,440.4	7,440.4	7,440.4	48.2	16.6	-70.94	7.3	50.3	2,163.7	2,125.9	37.82	57.215	
8,000.0	7,540.4	7,540.4	7,540.4	48.3	16.8	-70.94	7.3	50.3	2,163.7	2,125.5	38.19	56.659	
8,100.0	7,640.4	7,640.4	7,640.4	48.3	17.1	-70.94	7.3	50.3	2,163.7	2,125.1	38.56	56.112	
8,200.0	7,740.4	7,740.4	7,740.4	48.4	17.3	-70.94	7.3	50.3	2,163.7	2,124.7	38.93	55.573	
8,300.0	7,840.4	7,840.4	7,840.4	48.5	17.5	-70.94	7.3	50.3	2,163.7	2,124.4	39.31	55.042	
8,400.0	7,940.4	7,940.4	7,940.4	48.6	17.7	-70.94	7.3	50.3	2,163.7	2,124.0	39.69	54.520	
8,442.3	7,982.7	7,982.7	7,982.7	48.6	17.8	-70.94	7.3	50.3	2,163.7	2,123.8	39.85	54.301	
8,468.6	8,009.0	8,000.0	8,000.0	48.6	17.9	-70.94	7.3	50.3	2,163.7	2,123.8	39.92	54.194	

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)
Reference Site:	Maier 31-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (4-02-12)	Offset TVD Reference:	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	0.00	10.9	0.0	10.9	10.9	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	0.00	10.9	0.0	10.9	10.7	0.22	48.623		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	10.9	0.0	10.9	10.3	0.67	16.208 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.6	-116.65	10.9	0.0	11.6	10.5	1.11	10.439		
400.0	399.8	399.8	399.8	0.8	0.8	-135.13	10.9	0.0	14.7	13.2	1.56	9.454 SF		
500.0	499.5	499.5	499.5	1.0	1.0	-151.44	10.9	0.0	21.8	19.8	2.01	10.816		
600.0	598.7	598.7	598.7	1.3	1.2	-161.53	10.9	0.0	33.0	30.5	2.47	13.352		
700.0	697.5	697.5	697.5	1.6	1.5	-167.37	10.9	0.0	48.1	45.2	2.93	16.412		
800.0	795.6	795.6	795.6	2.0	1.7	-170.89	10.9	0.0	66.9	63.5	3.39	19.710		
900.0	893.1	893.1	893.1	2.5	1.9	-173.12	10.9	0.0	89.2	85.3	3.86	23.120		
1,000.0	989.6	989.6	989.6	3.0	2.1	-174.62	10.9	0.0	114.9	110.6	4.32	26.580		
1,100.0	1,085.3	1,085.3	1,085.3	3.6	2.3	-175.66	10.9	0.0	144.0	139.3	4.79	30.059		
1,200.0	1,179.8	1,176.2	1,176.2	4.2	2.5	-176.17	11.8	-0.5	177.3	172.1	5.26	33.711		
1,300.0	1,273.2	1,263.7	1,263.6	5.0	2.7	-176.05	15.0	-2.2	216.1	210.4	5.74	37.669		
1,400.0	1,365.2	1,348.1	1,347.8	5.8	2.9	-175.59	20.4	-5.1	260.2	253.9	6.22	41.844		
1,500.0	1,455.9	1,428.9	1,428.2	6.6	3.1	-174.98	27.5	-9.0	309.2	302.5	6.71	46.116		
1,600.0	1,546.0	1,507.1	1,505.7	7.5	3.3	-174.36	36.3	-13.7	361.3	354.0	7.23	49.952		
1,700.0	1,636.1	1,583.1	1,580.8	8.5	3.5	-173.69	46.7	-19.3	415.1	407.4	7.77	53.439		
1,800.0	1,726.2	1,663.0	1,659.5	9.4	3.7	-172.99	59.0	-26.0	470.5	462.1	8.33	56.502		
1,900.0	1,816.4	1,746.1	1,741.3	10.3	4.0	-172.41	72.0	-33.0	525.9	517.0	8.89	59.183		
2,000.0	1,906.5	1,829.2	1,823.1	11.3	4.3	-171.93	84.9	-40.0	581.4	572.0	9.45	61.505		
2,100.0	1,996.6	1,912.3	1,904.8	12.2	4.5	-171.54	97.9	-47.0	637.0	626.9	10.03	63.498		
2,200.0	2,086.7	1,995.4	1,986.6	13.1	4.8	-171.21	110.8	-54.0	692.5	681.9	10.61	65.247		
2,300.0	2,176.8	2,078.5	2,068.4	14.1	5.1	-170.93	123.8	-61.0	748.1	736.9	11.20	66.786		
2,400.0	2,267.0	2,161.6	2,150.2	15.0	5.4	-170.68	136.7	-68.0	803.6	791.8	11.79	68.148		
2,500.0	2,357.1	2,244.7	2,232.0	16.0	5.7	-170.47	149.7	-75.0	859.2	846.8	12.39	69.360		
2,600.0	2,447.2	2,327.8	2,313.7	16.9	6.0	-170.29	162.6	-82.0	914.8	901.8	12.99	70.443		
2,700.0	2,537.3	2,410.9	2,395.5	17.8	6.3	-170.12	175.6	-89.0	970.4	956.8	13.59	71.417		
2,800.0	2,627.5	2,494.0	2,477.3	18.8	6.6	-169.98	188.5	-96.0	1,026.0	1,011.8	14.19	72.293		
2,900.0	2,717.6	2,577.1	2,559.1	19.7	6.9	-169.85	201.5	-103.0	1,081.6	1,066.8	14.80	73.086		
3,000.0	2,807.7	2,660.2	2,640.9	20.7	7.2	-169.73	214.4	-110.1	1,137.2	1,121.8	15.41	73.807		
3,100.0	2,897.8	2,743.3	2,722.6	21.6	7.5	-169.62	227.4	-117.1	1,192.8	1,176.8	16.02	74.465		
3,200.0	2,987.9	2,826.4	2,804.4	22.6	7.8	-169.52	240.3	-124.1	1,248.4	1,231.8	16.63	75.068		
3,300.0	3,078.1	2,909.4	2,886.2	23.5	8.2	-169.43	253.3	-131.1	1,304.0	1,286.8	17.24	75.622		
3,400.0	3,168.2	2,992.5	2,968.0	24.5	8.5	-169.35	266.2	-138.1	1,359.6	1,341.8	17.86	76.131		
3,500.0	3,258.3	3,075.6	3,049.8	25.4	8.8	-169.28	279.2	-145.1	1,415.2	1,396.8	18.48	76.600		
3,600.0	3,348.4	3,158.7	3,131.5	26.4	9.1	-169.21	292.1	-152.1	1,470.9	1,451.8	19.09	77.035		
3,700.0	3,438.6	3,241.8	3,213.3	27.3	9.4	-169.14	305.1	-159.1	1,526.5	1,506.8	19.71	77.439		
3,800.0	3,528.7	3,324.9	3,295.1	28.3	9.8	-169.08	318.0	-166.1	1,582.1	1,561.8	20.33	77.814		
3,900.0	3,618.8	3,408.0	3,376.9	29.2	10.1	-169.02	331.0	-173.1	1,637.7	1,616.8	20.95	78.164		
4,000.0	3,708.9	3,491.1	3,458.7	30.1	10.4	-168.97	343.9	-180.1	1,693.3	1,671.8	21.57	78.490		
4,100.0	3,799.1	3,574.2	3,540.4	31.1	10.7	-168.92	356.9	-187.1	1,749.0	1,726.8	22.20	78.795		
4,200.0	3,889.2	3,657.3	3,622.2	32.0	11.0	-168.88	369.8	-194.1	1,804.6	1,781.8	22.82	79.081		
4,300.0	3,979.3	3,740.4	3,704.0	33.0	11.4	-168.83	382.7	-201.1	1,860.2	1,836.8	23.44	79.349		
4,400.0	4,069.4	3,823.5	3,785.8	33.9	11.7	-168.79	395.7	-208.1	1,915.8	1,891.8	24.07	79.601		
4,500.0	4,159.5	3,906.6	3,867.6	34.9	12.0	-168.75	408.6	-215.1	1,971.4	1,946.8	24.69	79.838		
4,600.0	4,249.7	3,989.7	3,949.3	35.8	12.3	-168.72	421.6	-222.1	2,027.1	2,001.8	25.32	80.062		
4,700.0	4,339.8	4,072.8	4,031.1	36.8	12.7	-168.68	434.5	-229.1	2,082.7	2,056.8	25.95	80.273		
4,800.0	4,429.9	4,155.9	4,112.9	37.7	13.0	-168.65	447.5	-236.1	2,138.3	2,111.8	26.57	80.472		
4,900.0	4,520.0	4,239.0	4,194.7	38.7	13.3	-168.62	460.4	-243.1	2,193.9	2,166.7	27.20	80.660		
5,000.0	4,610.2	4,322.1	4,276.5	39.6	13.6	-168.59	473.4	-250.1	2,249.6	2,221.7	27.83	80.838		
5,100.0	4,700.3	4,405.1	4,358.2	40.6	14.0	-168.56	486.3	-257.1	2,305.2	2,276.7	28.46	81.008		

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

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)
Reference Site:	Maier 31-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (4-02-12)	Offset TVD Reference:	Offset Datum

Offset Design Maier 31-28 Pad Sec.28-T2N-R66W - Maier 4-2-28 - 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 (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	4,790.4	4,488.2	4,440.0	41.5	14.3	-168.53	499.3	-264.1	2,360.8	2,331.7	29.09	81.168	
5,300.0	4,880.6	4,571.4	4,521.9	42.5	14.6	-168.57	512.3	-271.1	2,416.4	2,386.6	29.75	81.227	
5,400.0	4,971.8	4,655.9	4,605.0	43.2	15.0	-168.78	525.4	-278.3	2,469.9	2,439.4	30.48	81.032	
5,500.0	5,064.4	4,742.1	4,689.9	43.8	15.3	-168.95	538.9	-285.5	2,520.4	2,489.3	31.18	80.829	
5,600.0	5,158.2	4,830.0	4,776.4	44.5	15.6	-169.09	552.6	-292.9	2,568.0	2,536.2	31.85	80.623	
5,700.0	5,253.2	4,919.5	4,864.4	45.0	16.0	-169.19	566.5	-300.5	2,612.6	2,580.1	32.49	80.418	
5,800.0	5,349.2	5,010.4	4,953.9	45.5	16.4	-169.27	580.7	-308.1	2,654.0	2,621.0	33.09	80.217	
5,900.0	5,446.2	5,302.9	5,243.4	45.9	17.2	-169.21	616.5	-327.5	2,690.4	2,656.3	34.06	78.992	
6,000.0	5,543.9	5,603.7	5,543.9	46.3	17.7	-169.42	626.6	-333.0	2,713.2	2,678.4	34.78	78.002	
6,100.0	5,642.3	5,702.1	5,642.3	46.6	17.8	-169.55	626.6	-333.0	2,730.6	2,695.5	35.14	77.700	
6,200.0	5,741.3	5,801.1	5,741.3	46.8	18.0	-169.66	626.6	-333.0	2,744.6	2,709.2	35.45	77.414	
6,300.0	5,840.7	5,900.5	5,840.7	47.0	18.1	-169.74	626.6	-333.0	2,755.2	2,719.5	35.72	77.142	
6,400.0	5,940.5	6,000.3	5,940.5	47.2	18.3	-169.79	626.6	-333.0	2,762.4	2,726.5	35.93	76.884	
6,500.0	6,040.4	6,100.2	6,040.4	47.3	18.5	-169.82	626.6	-333.0	2,766.2	2,730.1	36.09	76.637	
6,600.0	6,140.4	6,200.2	6,140.4	47.3	18.6	-61.37	626.6	-333.0	2,766.8	2,730.5	36.30	76.228	
6,700.0	6,240.4	6,300.2	6,240.4	47.4	18.8	-61.37	626.6	-333.0	2,766.8	2,730.2	36.60	75.587	
6,800.0	6,340.4	6,400.2	6,340.4	47.5	18.9	-61.37	626.6	-333.0	2,766.8	2,729.9	36.91	74.952	
6,900.0	6,440.4	6,500.2	6,440.4	47.5	19.1	-61.37	626.6	-333.0	2,766.8	2,729.6	37.23	74.322	
7,000.0	6,540.4	6,600.2	6,540.4	47.6	19.3	-61.37	626.6	-333.0	2,766.8	2,729.3	37.54	73.697	
7,100.0	6,640.4	6,700.2	6,640.4	47.6	19.4	-61.37	626.6	-333.0	2,766.8	2,728.9	37.86	73.078	
7,200.0	6,740.4	6,800.2	6,740.4	47.7	19.6	-61.37	626.6	-333.0	2,766.8	2,728.6	38.18	72.465	
7,300.0	6,840.4	6,900.2	6,840.4	47.8	19.8	-61.37	626.6	-333.0	2,766.8	2,728.3	38.50	71.857	
7,400.0	6,940.4	7,000.2	6,940.4	47.8	19.9	-61.37	626.6	-333.0	2,766.8	2,728.0	38.83	71.256	
7,500.0	7,040.4	7,100.2	7,040.4	47.9	20.1	-61.37	626.6	-333.0	2,766.8	2,727.6	39.16	70.660	
7,600.0	7,140.4	7,200.2	7,140.4	48.0	20.3	-61.37	626.6	-333.0	2,766.8	2,727.3	39.49	70.070	
7,700.0	7,240.4	7,300.2	7,240.4	48.0	20.4	-61.37	626.6	-333.0	2,766.8	2,727.0	39.82	69.486	
7,800.0	7,340.4	7,400.2	7,340.4	48.1	20.6	-61.37	626.6	-333.0	2,766.8	2,726.7	40.15	68.908	
7,900.0	7,440.4	7,500.2	7,440.4	48.2	20.8	-61.37	626.6	-333.0	2,766.8	2,726.3	40.49	68.336	
8,000.0	7,540.4	7,600.2	7,540.4	48.3	20.9	-61.37	626.6	-333.0	2,766.8	2,726.0	40.83	67.771	
8,100.0	7,640.4	7,700.2	7,640.4	48.3	21.1	-61.37	626.6	-333.0	2,766.8	2,725.6	41.17	67.211	
8,200.0	7,740.4	7,800.2	7,740.4	48.4	21.3	-61.37	626.6	-333.0	2,766.8	2,725.3	41.51	66.657	
8,300.0	7,840.4	7,900.2	7,840.4	48.5	21.5	-61.37	626.6	-333.0	2,766.8	2,725.0	41.85	66.110	
8,400.0	7,940.4	8,000.2	7,940.4	48.6	21.7	-61.37	626.6	-333.0	2,766.8	2,724.6	42.20	65.568	
8,468.6	8,009.0	8,068.8	8,009.0	48.6	21.8	-61.37	626.6	-333.0	2,766.8	2,724.4	42.44	65.200	

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)
Reference Site:	Maier 31-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (4-02-12)	Offset TVD Reference:	Offset Datum

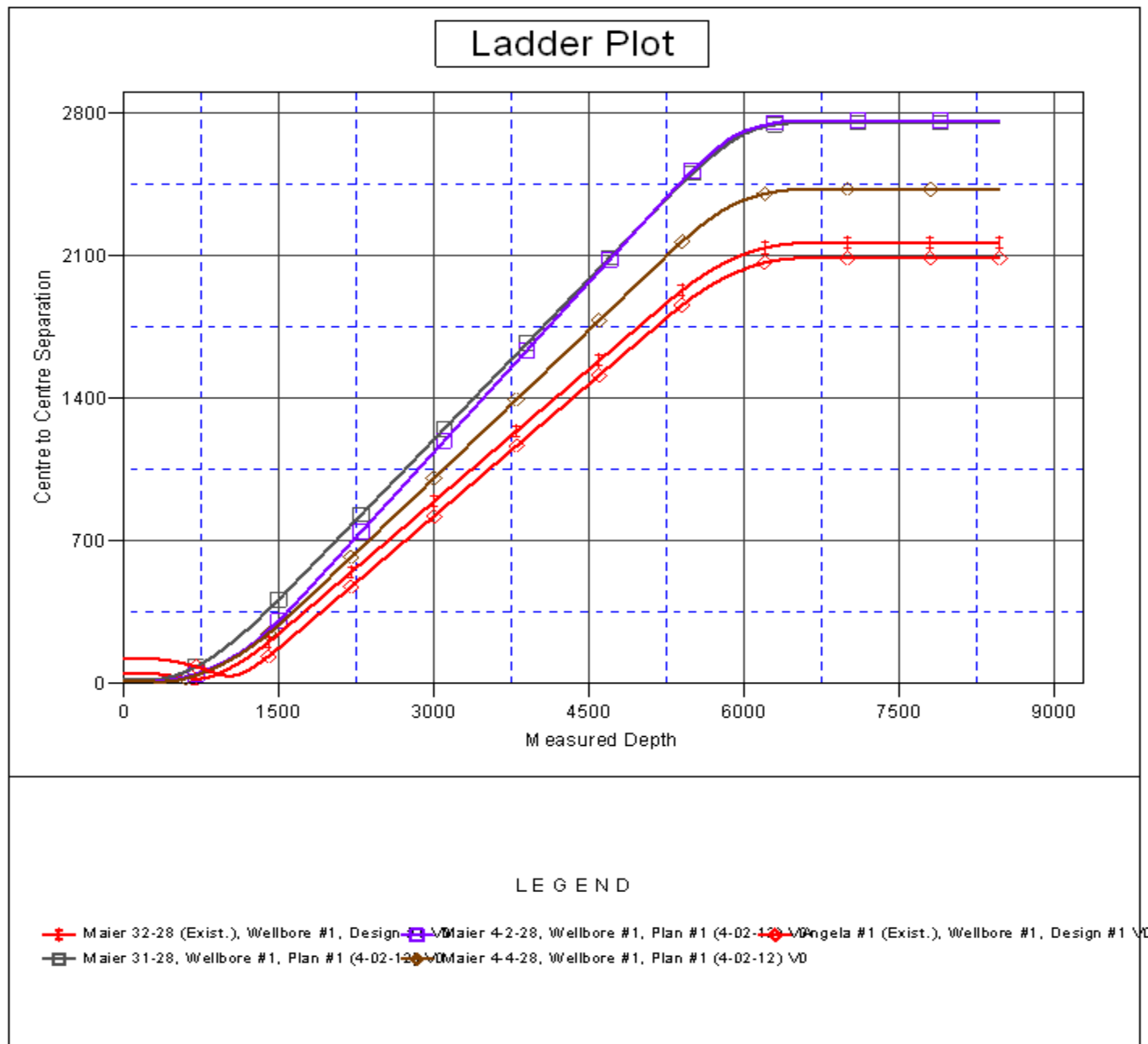
Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	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		
300.0	300.0	300.0	300.0	0.5	0.6	80.61	-10.9	0.0	10.5	9.4	1.11	9.466		
340.8	340.7	340.7	340.7	0.6	0.7	89.99	-10.9	0.0	10.4	9.1	1.29	8.033 CC, ES		
400.0	399.8	399.8	399.8	0.8	0.8	108.71	-10.9	0.0	10.9	9.4	1.55	7.046 SF		
500.0	499.5	499.5	499.5	1.0	1.0	139.57	-10.9	0.0	16.0	14.0	2.02	7.938		
600.0	598.7	598.7	598.7	1.3	1.2	156.80	-10.9	0.0	26.5	24.0	2.48	10.687		
700.0	697.5	697.5	697.5	1.6	1.5	165.28	-10.9	0.0	41.4	38.4	2.94	14.063		
800.0	795.6	795.6	795.6	2.0	1.7	169.84	-10.9	0.0	60.0	56.6	3.40	17.639		
900.0	893.1	893.1	893.1	2.5	1.9	172.54	-10.9	0.0	82.3	78.4	3.87	21.275		
1,000.0	989.6	989.6	989.6	3.0	2.1	174.27	-10.9	0.0	108.0	103.7	4.33	24.919		
1,100.0	1,085.3	1,085.3	1,085.3	3.6	2.3	175.44	-10.9	0.0	137.1	132.3	4.80	28.546		
1,200.0	1,179.8	1,179.1	1,179.1	4.2	2.5	175.88	-11.9	-0.4	169.8	164.5	5.26	32.288		
1,300.0	1,273.2	1,271.2	1,271.1	5.0	2.7	175.35	-15.6	-2.1	206.2	200.5	5.71	36.118		
1,400.0	1,365.2	1,361.5	1,361.1	5.8	2.9	174.29	-21.8	-4.8	246.4	240.2	6.18	39.875		
1,500.0	1,455.9	1,449.6	1,448.7	6.6	3.0	172.99	-30.4	-8.6	290.2	283.5	6.68	43.421		
1,600.0	1,546.0	1,536.3	1,534.6	7.5	3.2	171.64	-41.3	-13.4	335.9	328.6	7.26	46.269		
1,700.0	1,636.1	1,621.9	1,619.1	8.5	3.4	170.19	-54.3	-19.1	382.3	374.4	7.88	48.522		
1,800.0	1,726.2	1,707.0	1,702.4	9.4	3.7	168.68	-69.5	-25.8	429.5	421.0	8.55	50.241		
1,900.0	1,816.4	1,794.3	1,787.9	10.3	4.0	167.32	-86.0	-33.1	477.2	468.0	9.26	51.523		
2,000.0	1,906.5	1,881.7	1,873.4	11.3	4.3	166.20	-102.4	-40.4	525.1	515.1	10.00	52.511		
2,100.0	1,996.6	1,969.0	1,958.9	12.2	4.6	165.26	-118.9	-47.6	573.1	562.4	10.76	53.277		
2,200.0	2,086.7	2,056.4	2,044.4	13.1	4.9	164.47	-135.3	-54.9	621.3	609.7	11.53	53.890		
2,300.0	2,176.8	2,143.8	2,129.9	14.1	5.3	163.80	-151.8	-62.1	669.5	657.1	12.31	54.378		
2,400.0	2,267.0	2,231.1	2,215.4	15.0	5.6	163.21	-168.2	-69.4	717.7	704.6	13.10	54.772		
2,500.0	2,357.1	2,318.5	2,300.9	16.0	6.0	162.70	-184.7	-76.6	766.0	752.1	13.90	55.091		
2,600.0	2,447.2	2,405.8	2,386.4	16.9	6.3	162.24	-201.2	-83.9	814.4	799.7	14.71	55.352		
2,700.0	2,537.3	2,493.2	2,471.8	17.8	6.7	161.84	-217.6	-91.2	862.8	847.2	15.53	55.566		
2,800.0	2,627.5	2,580.6	2,557.3	18.8	7.0	161.48	-234.1	-98.4	911.2	894.8	16.35	55.743		
2,900.0	2,717.6	2,667.9	2,642.8	19.7	7.4	161.16	-250.5	-105.7	959.6	942.5	17.17	55.891		
3,000.0	2,807.7	2,755.3	2,728.3	20.7	7.8	160.87	-267.0	-112.9	1,008.1	990.1	18.00	56.016		
3,100.0	2,897.8	2,842.7	2,813.8	21.6	8.2	160.60	-283.4	-120.2	1,056.6	1,037.7	18.83	56.122		
3,200.0	2,987.9	2,930.0	2,899.3	22.6	8.5	160.36	-299.9	-127.4	1,105.1	1,085.4	19.66	56.211		
3,300.0	3,078.1	3,017.4	2,984.8	23.5	8.9	160.14	-316.3	-134.7	1,153.6	1,133.1	20.49	56.287		
3,400.0	3,168.2	3,104.7	3,070.3	24.5	9.3	159.93	-332.8	-142.0	1,202.1	1,180.8	21.33	56.353		
3,500.0	3,258.3	3,192.1	3,155.8	25.4	9.7	159.75	-349.2	-149.2	1,250.6	1,228.5	22.17	56.408		
3,600.0	3,348.4	3,279.5	3,241.3	26.4	10.1	159.57	-365.7	-156.5	1,299.2	1,276.2	23.01	56.456		
3,700.0	3,438.6	3,366.8	3,326.7	27.3	10.4	159.41	-382.2	-163.7	1,347.7	1,323.9	23.86	56.496		
3,800.0	3,528.7	3,454.2	3,412.2	28.3	10.8	159.26	-398.6	-171.0	1,396.3	1,371.6	24.70	56.532		
3,900.0	3,618.8	3,541.5	3,497.7	29.2	11.2	159.12	-415.1	-178.2	1,444.9	1,419.3	25.54	56.562		
4,000.0	3,708.9	3,628.9	3,583.2	30.1	11.6	158.99	-431.5	-185.5	1,493.4	1,467.0	26.39	56.589		
4,100.0	3,799.1	3,716.3	3,668.7	31.1	12.0	158.87	-448.0	-192.8	1,542.0	1,514.8	27.24	56.611		
4,200.0	3,889.2	3,803.6	3,754.2	32.0	12.4	158.75	-464.4	-200.0	1,590.6	1,562.5	28.09	56.631		
4,300.0	3,979.3	3,891.0	3,839.7	33.0	12.8	158.64	-480.9	-207.3	1,639.2	1,610.2	28.94	56.647		
4,400.0	4,069.4	3,978.4	3,925.2	33.9	13.2	158.54	-497.3	-214.5	1,687.8	1,658.0	29.79	56.662		
4,500.0	4,159.5	4,065.7	4,010.7	34.9	13.5	158.44	-513.8	-221.8	1,736.4	1,705.7	30.64	56.674		
4,600.0	4,249.7	4,153.1	4,096.2	35.8	13.9	158.35	-530.2	-229.0	1,785.0	1,753.5	31.49	56.684		
4,700.0	4,339.8	4,240.4	4,181.7	36.8	14.3	158.27	-546.7	-236.3	1,833.6	1,801.2	32.34	56.693		
4,800.0	4,429.9	4,327.8	4,267.1	37.7	14.7	158.18	-563.2	-243.6	1,882.2	1,849.0	33.20	56.700		
4,900.0	4,520.0	4,415.2	4,352.6	38.7	15.1	158.11	-579.6	-250.8	1,930.8	1,896.7	34.05	56.706		
5,000.0	4,610.2	4,502.5	4,438.1	39.6	15.5	158.03	-596.1	-258.1	1,979.4	1,944.5	34.90	56.711		

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

Offset Design													Offset Site Error:	
Survey Program: 0-MWD													Offset Well Error:	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
5,100.0	4,700.3	4,589.9	4,523.6	40.6	15.9	157.96	-612.5	-265.3	2,028.0	1,992.3	35.76	56.715		
5,200.0	4,790.4	4,677.2	4,609.1	41.5	16.3	157.89	-629.0	-272.6	2,076.6	2,040.0	36.61	56.718		
5,300.0	4,880.6	4,764.7	4,694.6	42.5	16.7	157.93	-645.4	-279.8	2,125.2	2,087.7	37.48	56.699		
5,400.0	4,971.8	4,853.1	4,781.2	43.2	17.1	158.23	-662.1	-287.2	2,171.7	2,133.3	38.34	56.642		
5,500.0	5,064.4	4,943.0	4,869.2	43.8	17.5	158.46	-679.0	-294.7	2,215.3	2,176.1	39.18	56.540		
5,600.0	5,158.2	5,034.2	4,958.4	44.5	17.9	158.64	-696.2	-302.2	2,256.0	2,216.0	40.00	56.400		
5,700.0	5,253.2	5,147.4	5,069.3	45.0	18.3	158.72	-717.0	-311.4	2,293.5	2,252.7	40.82	56.186		
5,800.0	5,349.2	5,292.5	5,212.6	45.5	18.7	158.80	-738.2	-320.8	2,326.3	2,284.7	41.57	55.956		
5,900.0	5,446.2	5,441.6	5,360.7	45.9	19.1	158.97	-753.2	-327.4	2,353.9	2,311.7	42.19	55.799		
6,000.0	5,543.9	5,593.6	5,512.4	46.3	19.3	159.22	-761.1	-330.9	2,376.1	2,333.4	42.65	55.711		
6,100.0	5,642.3	5,723.5	5,642.3	46.6	19.5	159.51	-762.3	-331.4	2,393.1	2,350.1	42.96	55.703		
6,200.0	5,741.3	5,822.5	5,741.3	46.8	19.6	159.73	-762.3	-331.4	2,406.4	2,363.3	43.18	55.732		
6,300.0	5,840.7	5,921.9	5,840.7	47.0	19.7	159.89	-762.3	-331.4	2,416.6	2,373.2	43.36	55.737		
6,400.0	5,940.5	6,021.6	5,940.5	47.2	19.9	159.99	-762.3	-331.4	2,423.4	2,379.9	43.50	55.718		
6,500.0	6,040.4	6,121.5	6,040.4	47.3	20.0	160.05	-762.3	-331.4	2,427.0	2,383.4	43.60	55.672		
6,600.0	6,140.4	6,221.5	6,140.4	47.3	20.1	-91.49	-762.3	-331.4	2,427.6	2,383.9	43.73	55.508		
6,700.0	6,240.4	6,321.5	6,240.4	47.4	20.2	-91.49	-762.3	-331.4	2,427.6	2,383.7	43.96	55.218		
6,800.0	6,340.4	6,421.5	6,340.4	47.5	20.3	-91.49	-762.3	-331.4	2,427.6	2,383.4	44.20	54.926		
6,900.0	6,440.4	6,521.5	6,440.4	47.5	20.5	-91.49	-762.3	-331.4	2,427.6	2,383.2	44.43	54.634		
7,000.0	6,540.4	6,621.5	6,540.4	47.6	20.6	-91.49	-762.3	-331.4	2,427.6	2,382.9	44.67	54.340		
7,100.0	6,640.4	6,721.5	6,640.4	47.6	20.7	-91.49	-762.3	-331.4	2,427.6	2,382.7	44.92	54.046		
7,200.0	6,740.4	6,821.5	6,740.4	47.7	20.9	-91.49	-762.3	-331.4	2,427.6	2,382.5	45.16	53.752		
7,300.0	6,840.4	6,921.5	6,840.4	47.8	21.0	-91.49	-762.3	-331.4	2,427.6	2,382.2	45.41	53.457		
7,400.0	6,940.4	7,021.5	6,940.4	47.8	21.1	-91.49	-762.3	-331.4	2,427.6	2,382.0	45.67	53.161		
7,500.0	7,040.4	7,121.5	7,040.4	47.9	21.3	-91.49	-762.3	-331.4	2,427.6	2,381.7	45.92	52.866		
7,600.0	7,140.4	7,221.5	7,140.4	48.0	21.4	-91.49	-762.3	-331.4	2,427.6	2,381.4	46.18	52.570		
7,700.0	7,240.4	7,321.5	7,240.4	48.0	21.6	-91.49	-762.3	-331.4	2,427.6	2,381.2	46.44	52.274		
7,800.0	7,340.4	7,421.5	7,340.4	48.1	21.7	-91.49	-762.3	-331.4	2,427.6	2,380.9	46.70	51.979		
7,900.0	7,440.4	7,521.5	7,440.4	48.2	21.8	-91.49	-762.3	-331.4	2,427.6	2,380.6	46.97	51.684		
8,000.0	7,540.4	7,621.5	7,540.4	48.3	22.0	-91.49	-762.3	-331.4	2,427.6	2,380.4	47.24	51.389		
8,100.0	7,640.4	7,721.5	7,640.4	48.3	22.1	-91.49	-762.3	-331.4	2,427.6	2,380.1	47.51	51.094		
8,200.0	7,740.4	7,821.5	7,740.4	48.4	22.3	-91.49	-762.3	-331.4	2,427.6	2,379.8	47.79	50.800		
8,300.0	7,840.4	7,921.5	7,840.4	48.5	22.4	-91.49	-762.3	-331.4	2,427.6	2,379.6	48.06	50.507		
8,400.0	7,940.4	8,021.5	7,940.4	48.6	22.6	-91.49	-762.3	-331.4	2,427.6	2,379.3	48.35	50.214		
8,468.6	8,009.0	8,090.2	8,009.0	48.6	22.7	-91.49	-762.3	-331.4	2,427.6	2,379.1	48.54	50.014		

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)
Reference Site:	Maier 31-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4943.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Maier 8-4-28	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (4-02-12)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4943.0ft (Original Well Elev) Coordinates are relative to: Maier 8-4-28
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.46°



Reference Depths are relative to WELL @ 4943.0ft (Original Well Elev) Coordinates are relative to: Maier 8-4-28
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°

