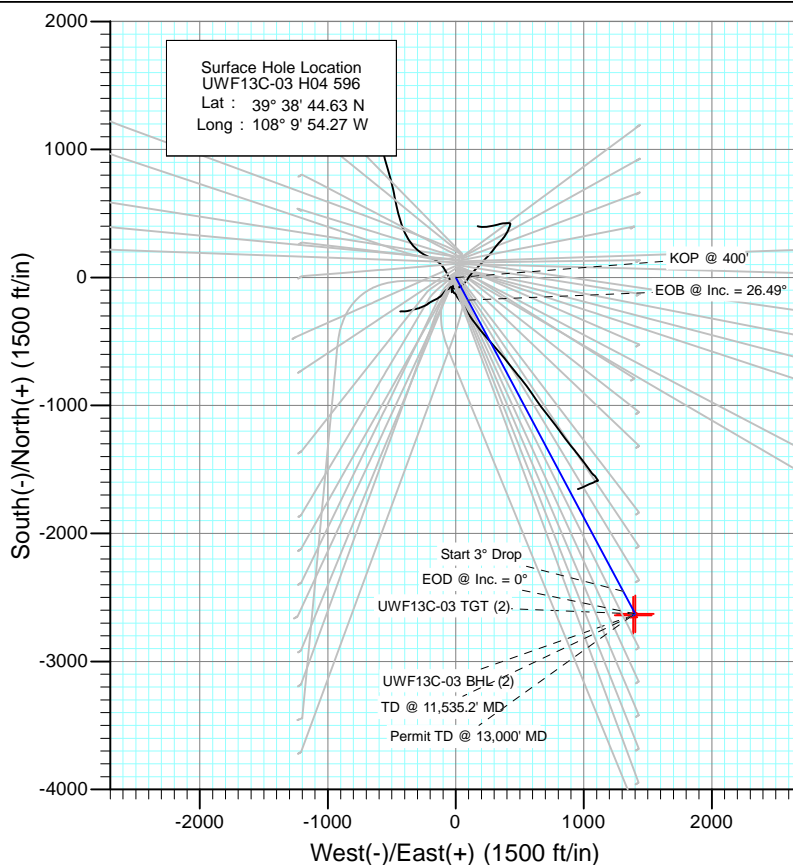


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	
3	1283.1	26.49	151.93	1252.0	-177.0	94.4	3.00	151.93	200.6	
4	7062.0	26.49	151.93	6424.0	-2451.8	1307.3	0.00	0.00	2778.4	
5	7945.2	0.00	0.00	7276.0	-2628.8	1401.7	3.00	180.00	2979.0	UWF13C-03 TGT (2)
6	9956.4	0.44	239.59	9287.2	-2632.7	1395.1	0.02	239.59	2979.4	
7	11535.2	0.44	239.59	10866.0	-2638.8	1384.7	0.00	0.00	2980.0	UWF13C-03 BHL (2)
8	13000.0	0.44	239.59	12330.7	-2644.5	1375.0	0.00	0.00	2980.6	



Azimuths to True North
Magnetic North: 10.34°

Magnetic Field
Strength: 52205.6nT
Dip Angle: 65.81°
Date: 4/19/2012
Model: IGRF2010

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1067.0	1081.4	A GROOVE
1227.0	1255.3	B GROOVE
1267.0	1299.9	B GROOVE BASE
2076.0	2203.8	GARDEN GULCH
3141.0	3393.8	WASATCH FM
5223.0	5720.1	WASATCH G
7276.0	7945.2	WILLIAMS FORK
10866.0	11535.2	ROLLINS
11123.0	11792.2	COZZETTE
11297.0	11966.3	CORCORAN
11592.0	12261.3	UPPER SEGO

Plan #2
UWF13C-03 H04 596
WELL @ 8293.0ft (Original Well Elev)
North American Datum 1983
Well UWF13C-03 H04 596, True North

Type TD	Target	Azimuth	Origin	Type	N/S	E/W	From
	No Target (Freehand)	152.53	Slot		0.0	0.0	TVD
Name		TVD	+N/-S	+E/-W	Latitude	Longitude	
UWF13C-03 TGT (2)		7276.0	-2628.8	1401.7	39° 38' 18.65 N	108° 9' 36.35 W	
UWF13C-03 BHL (2)		10866.0	-2638.8	1384.7	39° 38' 18.55 N	108° 9' 36.57 W	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Project	North Piceance		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site		H04 596 Pad			
Site Position:		Northing:	1,671,070.85 ft	Latitude:	39° 38' 44.37 N
From:	Lat/Long	Easting:	2,249,607.93 ft	Longitude:	108° 9' 54.50 W
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.68 °

Well	UWF13C-03 H04 596					
Well Position	+N/-S	0.0 ft	Northing:	1,671,096.61 ft	Latitude:	39° 38' 44.63 N
	+E/-W	0.0 ft	Easting:	2,249,626.68 ft	Longitude:	108° 9' 54.27 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	8,260.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/19/2012	10.34	65.81	52,206

Design	Plan #2				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	152.53	

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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,283.1	26.49	151.93	1,252.0	-177.0	94.4	3.00	3.00	0.00	151.93	
7,062.0	26.49	151.93	6,424.0	-2,451.8	1,307.3	0.00	0.00	0.00	0.00	
7,945.2	0.00	0.00	7,276.0	-2,628.8	1,401.7	3.00	-3.00	0.00	180.00	UWF13C-03 TGT (2)
9,956.4	0.44	239.59	9,287.2	-2,632.7	1,395.1	0.02	0.02	-5.99	239.59	
11,535.2	0.44	239.59	10,866.0	-2,638.8	1,384.7	0.00	0.00	0.00	0.00	UWF13C-03 BHL (2)
13,000.0	0.44	239.59	12,330.7	-2,644.5	1,375.0	0.00	0.00	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

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)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	KOP @ 400'
500.0	3.00	151.93	500.0	-2.3	1.2	2.6	3.00	3.00	
600.0	6.00	151.93	599.6	-9.2	4.9	10.5	3.00	3.00	
700.0	9.00	151.93	698.8	-20.7	11.1	23.5	3.00	3.00	
800.0	12.00	151.93	797.1	-36.8	19.6	41.7	3.00	3.00	
900.0	15.00	151.93	894.3	-57.4	30.6	65.1	3.00	3.00	
1,000.0	18.00	151.93	990.2	-82.5	44.0	93.5	3.00	3.00	
1,081.4	20.44	151.93	1,067.0	-106.1	56.6	120.3	3.00	3.00	A GROOVE
1,100.0	21.00	151.93	1,084.4	-111.9	59.7	126.8	3.00	3.00	
1,200.0	24.00	151.93	1,176.8	-145.7	77.7	165.1	3.00	3.00	
1,255.3	25.66	151.93	1,227.0	-166.2	88.6	188.3	3.00	3.00	B GROOVE
1,283.1	26.49	151.93	1,252.0	-177.0	94.4	200.6	3.00	3.00	EOB @ Inc. = 26.49°
1,299.9	26.49	151.93	1,267.0	-183.6	97.9	208.0	0.00	0.00	B GROOVE BASE
1,300.0	26.49	151.93	1,267.1	-183.6	97.9	208.1	0.00	0.00	
1,400.0	26.49	151.93	1,356.6	-223.0	118.9	252.7	0.00	0.00	
1,500.0	26.49	151.93	1,446.1	-262.4	139.9	297.3	0.00	0.00	
1,600.0	26.49	151.93	1,535.6	-301.7	160.9	341.9	0.00	0.00	
1,700.0	26.49	151.93	1,625.1	-341.1	181.9	386.5	0.00	0.00	
1,800.0	26.49	151.93	1,714.6	-380.4	202.9	431.1	0.00	0.00	
1,900.0	26.49	151.93	1,804.1	-419.8	223.8	475.7	0.00	0.00	
2,000.0	26.49	151.93	1,893.6	-459.2	244.8	520.3	0.00	0.00	
2,100.0	26.49	151.93	1,983.1	-498.5	265.8	565.0	0.00	0.00	
2,200.0	26.49	151.93	2,072.6	-537.9	286.8	609.6	0.00	0.00	
2,203.8	26.49	151.93	2,076.0	-539.4	287.6	611.3	0.00	0.00	GARDEN GULCH
2,300.0	26.49	151.93	2,162.1	-577.3	307.8	654.2	0.00	0.00	
2,400.0	26.49	151.93	2,251.6	-616.6	328.8	698.8	0.00	0.00	
2,500.0	26.49	151.93	2,341.1	-656.0	349.8	743.4	0.00	0.00	
2,600.0	26.49	151.93	2,430.6	-695.4	370.8	788.0	0.00	0.00	
2,700.0	26.49	151.93	2,520.1	-734.7	391.8	832.6	0.00	0.00	
2,800.0	26.49	151.93	2,609.6	-774.1	412.8	877.2	0.00	0.00	
2,900.0	26.49	151.93	2,699.1	-813.5	433.7	921.8	0.00	0.00	
3,000.0	26.49	151.93	2,788.6	-852.8	454.7	966.4	0.00	0.00	
3,100.0	26.49	151.93	2,878.1	-892.2	475.7	1,011.0	0.00	0.00	
3,200.0	26.49	151.93	2,967.6	-931.5	496.7	1,055.6	0.00	0.00	
3,300.0	26.49	151.93	3,057.1	-970.9	517.7	1,100.2	0.00	0.00	
3,393.8	26.49	151.93	3,141.0	-1,007.8	537.4	1,142.1	0.00	0.00	WASATCH FM
3,400.0	26.49	151.93	3,146.5	-1,010.3	538.7	1,144.9	0.00	0.00	
3,500.0	26.49	151.93	3,236.0	-1,049.6	559.7	1,189.5	0.00	0.00	
3,600.0	26.49	151.93	3,325.5	-1,089.0	580.7	1,234.1	0.00	0.00	
3,700.0	26.49	151.93	3,415.0	-1,128.4	601.7	1,278.7	0.00	0.00	
3,800.0	26.49	151.93	3,504.5	-1,167.7	622.6	1,323.3	0.00	0.00	
3,900.0	26.49	151.93	3,594.0	-1,207.1	643.6	1,367.9	0.00	0.00	
4,000.0	26.49	151.93	3,683.5	-1,246.5	664.6	1,412.5	0.00	0.00	
4,100.0	26.49	151.93	3,773.0	-1,285.8	685.6	1,457.1	0.00	0.00	
4,200.0	26.49	151.93	3,862.5	-1,325.2	706.6	1,501.7	0.00	0.00	
4,300.0	26.49	151.93	3,952.0	-1,364.6	727.6	1,546.3	0.00	0.00	
4,400.0	26.49	151.93	4,041.5	-1,403.9	748.6	1,590.9	0.00	0.00	
4,500.0	26.49	151.93	4,131.0	-1,443.3	769.6	1,635.5	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

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)	Comments / Formations
4,600.0	26.49	151.93	4,220.5	-1,482.6	790.6	1,680.2	0.00	0.00	
4,700.0	26.49	151.93	4,310.0	-1,522.0	811.6	1,724.8	0.00	0.00	
4,800.0	26.49	151.93	4,399.5	-1,561.4	832.5	1,769.4	0.00	0.00	
4,900.0	26.49	151.93	4,489.0	-1,600.7	853.5	1,814.0	0.00	0.00	
5,000.0	26.49	151.93	4,578.5	-1,640.1	874.5	1,858.6	0.00	0.00	
5,100.0	26.49	151.93	4,668.0	-1,679.5	895.5	1,903.2	0.00	0.00	
5,200.0	26.49	151.93	4,757.5	-1,718.8	916.5	1,947.8	0.00	0.00	
5,300.0	26.49	151.93	4,847.0	-1,758.2	937.5	1,992.4	0.00	0.00	
5,400.0	26.49	151.93	4,936.5	-1,797.6	958.5	2,037.0	0.00	0.00	
5,500.0	26.49	151.93	5,026.0	-1,836.9	979.5	2,081.6	0.00	0.00	
5,600.0	26.49	151.93	5,115.5	-1,876.3	1,000.5	2,126.2	0.00	0.00	
5,700.0	26.49	151.93	5,205.0	-1,915.7	1,021.4	2,170.8	0.00	0.00	
5,720.1	26.49	151.93	5,223.0	-1,923.6	1,025.7	2,179.8	0.00	0.00	WASATCH G
5,800.0	26.49	151.93	5,294.5	-1,955.0	1,042.4	2,215.5	0.00	0.00	
5,900.0	26.49	151.93	5,384.0	-1,994.4	1,063.4	2,260.1	0.00	0.00	
6,000.0	26.49	151.93	5,473.5	-2,033.7	1,084.4	2,304.7	0.00	0.00	
6,100.0	26.49	151.93	5,563.0	-2,073.1	1,105.4	2,349.3	0.00	0.00	
6,200.0	26.49	151.93	5,652.5	-2,112.5	1,126.4	2,393.9	0.00	0.00	
6,300.0	26.49	151.93	5,742.0	-2,151.8	1,147.4	2,438.5	0.00	0.00	
6,400.0	26.49	151.93	5,831.5	-2,191.2	1,168.4	2,483.1	0.00	0.00	
6,500.0	26.49	151.93	5,921.0	-2,230.6	1,189.4	2,527.7	0.00	0.00	
6,600.0	26.49	151.93	6,010.5	-2,269.9	1,210.4	2,572.3	0.00	0.00	
6,700.0	26.49	151.93	6,100.0	-2,309.3	1,231.3	2,616.9	0.00	0.00	
6,800.0	26.49	151.93	6,189.5	-2,348.7	1,252.3	2,661.5	0.00	0.00	
6,900.0	26.49	151.93	6,279.0	-2,388.0	1,273.3	2,706.1	0.00	0.00	
7,000.0	26.49	151.93	6,368.5	-2,427.4	1,294.3	2,750.8	0.00	0.00	
7,062.0	26.49	151.93	6,424.0	-2,451.8	1,307.3	2,778.4	0.00	0.00	Start 3° Drop
7,100.0	25.36	151.93	6,458.1	-2,466.5	1,315.1	2,795.0	3.00	-3.00	
7,200.0	22.36	151.93	6,549.6	-2,502.1	1,334.2	2,835.5	3.00	-3.00	
7,300.0	19.36	151.93	6,643.0	-2,533.6	1,350.9	2,871.1	3.00	-3.00	
7,400.0	16.36	151.93	6,738.2	-2,560.6	1,365.3	2,901.7	3.00	-3.00	
7,500.0	13.36	151.93	6,834.8	-2,583.2	1,377.4	2,927.3	3.00	-3.00	
7,600.0	10.36	151.93	6,932.7	-2,601.4	1,387.1	2,947.9	3.00	-3.00	
7,700.0	7.36	151.93	7,031.5	-2,614.9	1,394.3	2,963.3	3.00	-3.00	
7,800.0	4.36	151.93	7,131.0	-2,623.9	1,399.1	2,973.5	3.00	-3.00	
7,900.0	1.36	151.93	7,230.8	-2,628.3	1,401.4	2,978.5	3.00	-3.00	
7,945.2	0.00	0.00	7,276.0	-2,628.8	1,401.7	2,979.0	3.00	-3.00	EOD @ Inc. = 0° - WILLIAMS FORK
8,000.0	0.01	239.59	7,330.8	-2,628.8	1,401.7	2,979.0	0.02	0.02	
8,100.0	0.03	239.59	7,430.8	-2,628.8	1,401.7	2,979.0	0.02	0.02	
8,200.0	0.06	239.59	7,530.8	-2,628.9	1,401.6	2,979.0	0.02	0.02	
8,300.0	0.08	239.59	7,630.8	-2,628.9	1,401.5	2,979.0	0.02	0.02	
8,400.0	0.10	239.59	7,730.8	-2,629.0	1,401.4	2,979.0	0.02	0.02	
8,500.0	0.12	239.59	7,830.8	-2,629.1	1,401.2	2,979.0	0.02	0.02	
8,600.0	0.14	239.59	7,930.8	-2,629.2	1,401.0	2,979.0	0.02	0.02	
8,700.0	0.16	239.59	8,030.8	-2,629.3	1,400.8	2,979.0	0.02	0.02	
8,800.0	0.19	239.59	8,130.8	-2,629.5	1,400.5	2,979.1	0.02	0.02	
8,900.0	0.21	239.59	8,230.8	-2,629.7	1,400.2	2,979.1	0.02	0.02	
9,000.0	0.23	239.59	8,330.8	-2,629.9	1,399.9	2,979.1	0.02	0.02	
9,100.0	0.25	239.59	8,430.8	-2,630.1	1,399.5	2,979.1	0.02	0.02	
9,200.0	0.27	239.59	8,530.8	-2,630.3	1,399.1	2,979.1	0.02	0.02	
9,300.0	0.29	239.59	8,630.8	-2,630.6	1,398.7	2,979.2	0.02	0.02	
9,400.0	0.32	239.59	8,730.8	-2,630.8	1,398.2	2,979.2	0.02	0.02	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

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)	Comments / Formations
9,500.0	0.34	239.59	8,830.8	-2,631.1	1,397.7	2,979.2	0.02	0.02	
9,600.0	0.36	239.59	8,930.8	-2,631.4	1,397.2	2,979.3	0.02	0.02	
9,700.0	0.38	239.59	9,030.8	-2,631.8	1,396.7	2,979.3	0.02	0.02	
9,800.0	0.40	239.59	9,130.8	-2,632.1	1,396.1	2,979.3	0.02	0.02	
9,900.0	0.43	239.59	9,230.8	-2,632.5	1,395.4	2,979.4	0.02	0.02	
9,956.4	0.44	239.59	9,287.2	-2,632.7	1,395.1	2,979.4	0.02	0.02	
10,000.0	0.44	239.59	9,330.8	-2,632.9	1,394.8	2,979.4	0.00	0.00	
10,100.0	0.44	239.59	9,430.8	-2,633.2	1,394.1	2,979.4	0.00	0.00	
10,200.0	0.44	239.59	9,530.8	-2,633.6	1,393.5	2,979.5	0.00	0.00	
10,300.0	0.44	239.59	9,630.8	-2,634.0	1,392.8	2,979.5	0.00	0.00	
10,400.0	0.44	239.59	9,730.8	-2,634.4	1,392.2	2,979.6	0.00	0.00	
10,500.0	0.44	239.59	9,830.8	-2,634.8	1,391.5	2,979.6	0.00	0.00	
10,600.0	0.44	239.59	9,930.8	-2,635.2	1,390.8	2,979.6	0.00	0.00	
10,700.0	0.44	239.59	10,030.8	-2,635.6	1,390.2	2,979.7	0.00	0.00	
10,800.0	0.44	239.59	10,130.8	-2,635.9	1,389.5	2,979.7	0.00	0.00	
10,900.0	0.44	239.59	10,230.8	-2,636.3	1,388.9	2,979.8	0.00	0.00	
11,000.0	0.44	239.59	10,330.8	-2,636.7	1,388.2	2,979.8	0.00	0.00	
11,100.0	0.44	239.59	10,430.8	-2,637.1	1,387.5	2,979.8	0.00	0.00	
11,200.0	0.44	239.59	10,530.8	-2,637.5	1,386.9	2,979.9	0.00	0.00	
11,300.0	0.44	239.59	10,630.8	-2,637.9	1,386.2	2,979.9	0.00	0.00	
11,400.0	0.44	239.59	10,730.8	-2,638.3	1,385.6	2,980.0	0.00	0.00	
11,500.0	0.44	239.59	10,830.8	-2,638.7	1,384.9	2,980.0	0.00	0.00	
11,535.2	0.44	239.59	10,866.0	-2,638.8	1,384.7	2,980.0	0.00	0.00	TD @ 11,535.2' MD - ROLLINS
11,600.0	0.44	239.59	10,930.8	-2,639.0	1,384.3	2,980.0	0.00	0.00	
11,700.0	0.44	239.59	11,030.8	-2,639.4	1,383.6	2,980.1	0.00	0.00	
11,792.2	0.44	239.59	11,123.0	-2,639.8	1,383.0	2,980.1	0.00	0.00	COZZETTE
11,800.0	0.44	239.59	11,130.7	-2,639.8	1,382.9	2,980.1	0.00	0.00	
11,900.0	0.44	239.59	11,230.7	-2,640.2	1,382.3	2,980.1	0.00	0.00	
11,966.3	0.44	239.59	11,297.0	-2,640.5	1,381.8	2,980.2	0.00	0.00	CORCORAN
12,000.0	0.44	239.59	11,330.7	-2,640.6	1,381.6	2,980.2	0.00	0.00	
12,100.0	0.44	239.59	11,430.7	-2,641.0	1,381.0	2,980.2	0.00	0.00	
12,200.0	0.44	239.59	11,530.7	-2,641.4	1,380.3	2,980.3	0.00	0.00	
12,261.3	0.44	239.59	11,592.0	-2,641.6	1,379.9	2,980.3	0.00	0.00	UPPER SEGO
12,300.0	0.44	239.59	11,630.7	-2,641.7	1,379.6	2,980.3	0.00	0.00	
12,400.0	0.44	239.59	11,730.7	-2,642.1	1,379.0	2,980.3	0.00	0.00	
12,500.0	0.44	239.59	11,830.7	-2,642.5	1,378.3	2,980.4	0.00	0.00	
12,600.0	0.44	239.59	11,930.7	-2,642.9	1,377.7	2,980.4	0.00	0.00	
12,700.0	0.44	239.59	12,030.7	-2,643.3	1,377.0	2,980.5	0.00	0.00	
12,800.0	0.44	239.59	12,130.7	-2,643.7	1,376.4	2,980.5	0.00	0.00	
12,900.0	0.44	239.59	12,230.7	-2,644.1	1,375.7	2,980.5	0.00	0.00	
13,000.0	0.44	239.59	12,330.7	-2,644.5	1,375.0	2,980.6	0.00	0.00	Permit TD @ 13,000' MD

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

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)		
UWF13C-03 BHL (2)	0.00	0.00	10,866.0	-2,638.8	1,384.7	1,668,418.33	2,250,933.37	39° 38' 18.55 N	108° 9' 36.57 W
- plan hits target center									
- Rectangle (sides W30.0 H50.0 D0.0)									
UWF13C-03 TGT	0.00	0.00	7,276.0	-2,627.8	1,430.2	1,668,427.99	2,250,979.19	39° 38' 18.66 N	108° 9' 35.99 W
- plan misses target center by 28.5ft at 7945.2ft MD (7276.0 TVD, -2628.8 N, 1401.7 E)									
- Point									
UWF13C-03 BHL	0.00	0.00	10,866.0	-2,637.8	1,415.2	1,668,418.45	2,250,963.89	39° 38' 18.56 N	108° 9' 36.18 W
- plan misses target center by 30.5ft at 11535.0ft MD (10865.8 TVD, -2638.8 N, 1384.7 E)									
- Rectangle (sides W30.0 H50.0 D0.0)									
UWF13C-03 TGT (2)	0.00	0.00	7,276.0	-2,628.8	1,401.7	1,668,427.82	2,250,950.67	39° 38' 18.65 N	108° 9' 36.35 W
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,081.4	1,067.0	A GROOVE				
1,255.3	1,227.0	B GROOVE				
1,299.9	1,267.0	B GROOVE BASE				
2,203.8	2,076.0	GARDEN GULCH				
3,393.8	3,141.0	WASATCH FM				
5,720.1	5,223.0	WASATCH G				
7,945.2	7,276.0	WILLIAMS FORK				
11,535.2	10,866.0	ROLLINS				
11,792.2	11,123.0	COZZETTE				
11,966.3	11,297.0	CORCORAN				
12,261.3	11,592.0	UPPER SEGO				

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
400.0	400.0	0.0	0.0	KOP @ 400'
1,283.1	1,252.0	-177.0	94.4	EOB @ Inc. = 26.49°
7,062.0	6,424.0	-2,451.8	1,307.3	Start 3° Drop
7,945.2	7,276.0	-2,628.8	1,401.7	EOD @ Inc. = 0°
11,535.2	10,866.0	-2,638.8	1,384.7	TD @ 11,535.2' MD
13,000.0	12,330.7	-2,644.5	1,375.0	Permit TD @ 13,000' MD

EnCana Oil & Gas (USA) Inc

North Piceance

H04 596 Pad

UWF13C-03 H04 596

DD

Plan #2

Anticollision Report

18 October, 2012

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference	Plan #2
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	MD Interval 100.0ft
Depth Range:	Unlimited
Results Limited by:	Maximum center-center distance of 500.0ft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	Systematic Ellipse
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic

Survey Tool Program		Date	10/17/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	13,000.0	Plan #2 (DD)	MWD	Geolink MWD	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
			Between Centres (ft)	Between Ellipses (ft)		
H04 596 Pad						
CP01B-04 H04 ST1 - Existing - Existing	681.8	711.1	49.8	47.2	19.708	CC, ES
CP01B-04 H04 ST1 - Existing - Existing	700.0	728.8	50.0	47.4	19.150	SF
CP05B-03 H04 - Existing - Existing	970.7	974.7	36.7	32.7	9.030	CC, ES, SF
CP08D-04 H04 - Existing - Existing	843.7	849.6	56.6	53.3	17.378	CC, ES
CP08D-04 H04 - Existing - Existing	900.0	904.1	58.2	54.7	16.358	SF
CP12D-03 H04 - Existing - Existing	1,056.0	1,055.2	68.0	63.2	14.129	CC, ES
CP12D-03 H04 - Existing - Existing	1,100.0	1,097.4	69.3	64.3	13.707	SF
UWF02A-09 H04 596 - DD - Plan #1	134.1	134.1	31.9	31.5	90.313	CC, ES
UWF02A-09 H04 596 - DD - Plan #1	500.0	492.7	56.1	54.4	33.427	SF
UWF02B-09 H04 596 - DD - Plan #1	796.0	796.5	29.6	26.8	10.331	CC
UWF02B-09 H04 596 - DD - Plan #1	800.0	800.6	29.7	26.8	10.289	ES, SF
UWF02C-04 H04 596 - DD - Plan #1	300.0	300.0	190.1	189.1	203.938	CC, ES
UWF02C-04 H04 596 - DD - Plan #1	800.0	755.4	262.7	259.8	91.152	SF
UWF02D-04 H04 596 - DD - Plan #1	200.0	200.0	189.7	189.2	325.503	CC, ES
UWF02D-04 H04 596 - DD - Plan #1	800.0	755.6	277.9	274.9	92.464	SF
UWF02E-04 H04 596 - DD - Plan #1	400.0	400.0	169.8	168.5	132.545	CC, ES
UWF02E-04 H04 596 - DD - Plan #1	800.0	778.5	215.3	212.4	75.239	SF
UWF04A-10 H04 596 - DD - Plan #1	233.7	233.7	29.6	28.9	42.264	CC, ES
UWF04A-10 H04 596 - DD - Plan #1	5,100.0	5,044.9	491.5	455.8	13.762	SF
UWF04B-04 H04 596 - DD - Plan #1	400.0	400.0	179.7	178.4	140.263	CC, ES
UWF04B-04 H04 596 - DD - Plan #1	900.0	861.4	265.1	261.8	80.859	SF
UWF04B-10 H04 596 - DD - Plan #1	200.0	200.0	40.0	39.4	68.574	CC, ES
UWF04B-10 H04 596 - DD - Plan #1	3,900.0	3,824.7	487.2	460.9	18.522	SF
UWF04C-04 H04 596 - DD - Plan #1	546.2	560.6	166.4	164.2	75.743	CC, ES
UWF04C-04 H04 596 - DD - Plan #1	800.0	791.7	198.8	195.1	52.872	SF
UWF04C-10 H04 596 - DD - Plan #1	133.5	133.5	49.6	49.2	141.344	CC, ES
UWF04C-10 H04 596 - DD - Plan #1	3,200.0	3,104.6	485.3	464.6	23.373	SF
UWF04D-03 H04 596 - DD - Plan #1	200.0	200.0	170.3	169.7	292.121	CC, ES
UWF04D-03 H04 596 - DD - Plan #1	1,300.0	1,197.3	475.4	469.1	75.337	SF
UWF04D-10 H04 596 - DD - Plan #1	133.3	133.3	51.2	50.9	146.261	CC, ES
UWF04D-10 H04 596 - DD - Plan #1	2,600.0	2,558.2	439.6	414.0	17.162	SF
UWF04E-03 H04 596 - DD - Plan #1	300.0	300.0	159.7	158.8	171.357	CC, ES
UWF04E-03 H04 596 - DD - Plan #1	1,400.0	1,304.2	478.2	471.0	67.026	SF
UWF04E-04 H04 596 - DD - Plan #1	405.1	405.5	160.3	159.0	122.512	CC, ES
UWF04E-04 H04 596 - DD - Plan #1	800.0	782.4	209.1	206.0	67.247	SF
UWF05A-03 H04 596 - DD - Plan #1	200.0	200.0	150.3	149.7	257.838	CC, ES
UWF05A-03 H04 596 - DD - Plan #1	1,500.0	1,409.6	496.6	488.2	58.898	SF
UWF05A-04 H04 596 - DD - Plan #1	412.2	412.9	140.2	138.8	104.888	CC, ES
UWF05A-04 H04 596 - DD - Plan #1	800.0	784.4	188.4	185.3	60.651	SF
UWF05B-03 H04 596 - DD - Plan #2	300.0	300.0	139.7	138.8	149.910	CC, ES
UWF05B-03 H04 596 - DD - Plan #2	1,500.0	1,430.0	442.5	434.2	52.855	SF
UWF05C-03 H04 596 - DD - Plan #1	300.0	300.0	119.7	118.8	128.463	CC, ES
UWF05C-03 H04 596 - DD - Plan #1	1,300.0	1,261.8	315.7	308.6	44.543	SF
UWF05D-03 H04 596 - DD - Plan #1	401.1	401.4	99.6	98.3	77.036	CC, ES
UWF05D-03 H04 596 - DD - Plan #1	1,200.0	1,178.8	235.5	229.0	36.295	SF
UWF05E-03 H04 596 - DD - Plan #1	409.5	410.1	89.6	88.2	65.734	CC, ES
UWF05E-03 H04 596 - DD - Plan #1	1,300.0	1,283.4	219.6	211.5	27.027	SF
UWF06B-04 H04 596 - DD - Plan #1	413.6	414.7	119.3	117.9	85.035	CC, ES
UWF06B-04 H04 596 - DD - Plan #1	700.0	689.5	150.9	148.1	53.265	SF
UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2	511.5	517.8	91.8	90.0	49.261	CC, ES
UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2	700.0	702.1	107.4	104.5	37.389	SF
UWF07A-04 H04 596 - DD - Plan #1	400.0	400.0	149.9	148.6	116.978	CC, ES
UWF07A-04 H04 596 - DD - Plan #1	800.0	783.7	200.7	197.8	70.436	SF

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
			Between Centres (ft)	Between Ellipses (ft)		
H04 596 Pad						
UWF07B-03 H04 596 - DD - Plan #1	200.0	200.0	130.3	129.7	223.548	CC, ES
UWF07B-03 H04 596 - DD - Plan #1	1,500.0	1,353.6	489.4	478.2	43.990	SF
UWF07B-04 H04 596 - DD - Plan #2	333.8	333.8	129.9	128.9	123.747	CC
UWF07B-04 H04 596 - DD - Plan #2	400.0	399.0	130.1	128.8	101.708	ES
UWF07B-04 H04 596 - DD - Plan #2	800.0	794.1	169.0	166.2	61.659	SF
UWF07C-03 H04 596 - DD - Plan #1	200.0	200.0	110.3	109.7	189.258	CC, ES
UWF07C-03 H04 596 - DD - Plan #1	1,500.0	1,369.1	454.5	443.1	39.829	SF
UWF07C-04 H04 596 - DD - Plan #1	436.0	437.8	109.1	107.7	76.292	CC, ES
UWF07C-04 H04 596 - DD - Plan #1	700.0	697.5	129.8	127.2	50.047	SF
UWF07E-03 H04 596 - DD - Plan #1	400.0	400.0	90.3	89.0	70.463	CC, ES
UWF07E-03 H04 596 - DD - Plan #1	1,700.0	1,614.3	461.2	447.9	34.716	SF
UWF10A-03 H04 596 - DD - Plan #1	200.0	200.0	70.3	69.8	120.663	CC
UWF10A-03 H04 596 - DD - Plan #1	300.0	299.6	70.6	69.6	75.301	ES
UWF10A-03 H04 596 - DD - Plan #1	1,700.0	1,580.0	459.5	444.5	30.576	SF
UWF10A-04 H04 596 - DD - Plan #1	527.8	533.8	69.3	67.4	35.701	CC, ES
UWF10A-04 H04 596 - DD - Plan #1	700.0	702.4	83.9	81.0	28.983	SF
UWF10B-03 H04 596 - DD - Plan #1	400.0	400.0	70.4	69.2	54.985	CC, ES
UWF10B-03 H04 596 - DD - Plan #1	2,000.0	1,934.9	464.3	446.4	25.989	SF
UWF10C-03 H04 596 - DD - Plan #1	136.3	136.3	60.0	59.6	166.240	CC
UWF10C-03 H04 596 - DD - Plan #1	200.0	199.8	60.0	59.5	102.931	ES
UWF10C-03 H04 596 - DD - Plan #1	1,800.0	1,683.8	473.9	456.9	27.958	SF
UWF10C-04 H04 596 - DD - Plan #1	452.2	453.3	39.2	37.7	26.531	CC, ES
UWF10C-04 H04 596 - DD - Plan #1	600.0	600.9	45.3	43.3	22.186	SF
UWF10E-04 H04 596 - DD - Plan #1	474.4	475.7	28.6	27.0	18.166	CC, ES
UWF10E-04 H04 596 - DD - Plan #1	600.0	600.6	34.8	32.7	16.411	SF
UWF12A-03 H04 596 - DD - Plan #2	400.0	400.0	79.7	78.5	62.246	CC, ES
UWF12A-03 H04 596 - DD - Plan #2	1,200.0	1,201.9	166.9	161.0	28.278	SF
UWF12B-03 H04 596 - DD - Plan #1	400.0	400.0	61.0	59.7	47.637	CC, ES
UWF12B-03 H04 596 - DD - Plan #1	1,200.0	1,204.0	124.4	117.8	18.916	SF
UWF12C-03 H04 596 - DD - Plan #1	400.0	400.0	40.0	38.7	31.204	CC, ES
UWF12C-03 H04 596 - DD - Plan #1	1,100.0	1,103.5	76.9	71.0	13.007	SF
UWF12E-03 H04 596 - DD - Plan #1	400.0	400.0	30.4	29.1	23.702	CC, ES
UWF12E-03 H04 596 - DD - Plan #1	4,900.0	4,893.1	499.4	462.1	13.385	SF
UWF13A-03 H04 596 - DD - Plan #1	400.0	400.0	20.0	18.7	15.597	CC, ES
UWF13A-03 H04 596 - DD - Plan #1	7,000.0	6,996.7	489.1	431.6	8.505	SF
UWF13B-03 H04 596 - DD - Plan #2	400.0	400.0	10.4	9.1	8.108	CC, ES
UWF13B-03 H04 596 - DD - Plan #2	13,000.0	12,915.3	265.9	191.4	3.569	SF
UWF13D-03 H04 596 - DD - Plan #1	334.7	334.7	9.6	8.6	9.147	CC, ES
UWF13D-03 H04 596 - DD - Plan #1	12,900.0	13,000.0	264.7	206.4	4.536	SF
UWF13E-03 H04 596 - DD - Plan #1	300.0	300.0	20.0	19.1	21.448	CC, ES
UWF13E-03 H04 596 - DD - Plan #1	7,000.0	6,964.8	463.5	413.7	9.294	SF
UWF14C-04 H04 596 (was 15C-04) - DD - Plan #2	400.0	400.0	9.9	8.6	7.700	CC, ES
UWF14C-04 H04 596 (was 15C-04) - DD - Plan #2	500.0	500.0	11.9	10.2	7.268	SF
UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2	300.0	300.0	50.3	49.4	54.020	CC
UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2	400.0	399.7	50.7	49.4	39.430	ES
UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2	1,900.0	1,835.6	382.6	363.6	20.118	SF
UWF15A-04 H04 596 - DD - Plan #1	400.0	400.0	22.7	21.5	17.758	CC, ES
UWF15A-04 H04 596 - DD - Plan #1	500.0	500.0	25.3	23.6	15.514	SF
UWF15B-03 H04 596 (was 10E-03) - DD - Plan #2	448.7	449.7	50.2	48.7	34.368	CC, ES
UWF15B-03 H04 596 (was 10E-03) - DD - Plan #2	1,500.0	1,478.2	209.7	197.1	16.621	SF
UWF15B-04 H04 596 - DD - Plan #1	412.5	412.7	13.3	12.0	9.979	CC, ES
UWF15B-04 H04 596 - DD - Plan #1	500.0	499.8	16.4	14.7	9.783	SF
UWF15D-04 H04 596 - DD - Plan #1	438.2	438.2	14.4	13.0	10.160	CC, ES

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

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						
H04 596 Pad						
UWF15D-04 H04 596 - DD - Plan #1	500.0	499.7	15.0	13.4	9.180	SF
UWF15E-04 H04 596 - DD - Plan #1	133.4	133.4	22.0	21.6	62.724	CC, ES
UWF15E-04 H04 596 - DD - Plan #1	400.0	395.9	37.9	36.6	28.883	SF

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												H04 596 Pad - CP01B-04 H04 ST1 - Existing - Existing		Offset Site Error:		0.0 ft	
Survey Program:												17-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)	Total Uncertainty Axis	Separation Factor					
0.0	0.0	37.0	4.3	0.0	0.0	-158.39	-60.4	-23.9	65.4								
100.0	100.0	129.4	96.7	0.1	0.2	-159.14	-61.1	-23.3	65.3	65.0	0.31	208.189					
200.0	200.0	229.7	197.0	0.3	0.4	-158.93	-61.3	-23.6	65.7	65.0	0.66	99.062					
300.0	300.0	330.7	298.0	0.5	0.5	-157.67	-60.0	-24.7	64.9	63.9	1.01	63.959					
400.0	400.0	431.5	398.7	0.6	0.7	-154.89	-56.7	-26.6	62.7	61.3	1.37	45.642					
500.0	500.0	531.6	498.7	0.8	0.9	58.91	-52.5	-28.6	58.5	56.7	1.73	33.695					
600.0	599.6	631.0	597.8	1.0	1.1	72.71	-46.7	-31.8	52.4	50.3	2.14	24.488					
681.8	680.8	711.1	677.8	1.2	1.3	90.26	-41.5	-34.3	49.8	47.2	2.53	19.708	CC, ES				
700.0	698.8	728.8	695.4	1.3	1.3	94.77	-40.4	-34.9	50.0	47.4	2.61	19.150	SF				
800.0	797.1	825.2	791.5	1.6	1.5	119.64	-34.2	-38.7	58.4	55.4	3.05	19.161					
900.0	894.3	919.2	885.2	2.0	1.7	138.91	-27.0	-42.6	79.6	76.2	3.38	23.571					
1,000.0	990.2	1,012.6	978.1	2.5	2.0	151.08	-18.8	-47.2	111.6	108.0	3.65	30.598					
1,100.0	1,084.4	1,104.7	1,069.8	3.2	2.2	158.71	-11.2	-50.2	149.5	145.6	3.91	38.266					
1,200.0	1,176.8	1,191.0	1,155.8	3.8	2.4	163.44	-3.9	-52.9	193.6	189.5	4.16	46.539					
1,300.0	1,267.1	1,272.5	1,236.8	4.6	2.6	166.76	4.6	-56.1	244.7	240.3	4.41	55.521					
1,400.0	1,356.6	1,354.8	1,318.5	5.4	2.8	169.24	13.4	-60.2	298.7	294.0	4.69	63.725					
1,500.0	1,446.1	1,439.9	1,403.0	6.2	3.0	171.00	22.4	-64.5	352.8	347.8	4.98	70.878					
1,600.0	1,535.6	1,519.8	1,482.3	7.0	3.2	172.18	30.9	-68.9	407.4	402.1	5.27	77.330					
1,700.0	1,625.1	1,600.6	1,562.5	7.8	3.4	173.12	40.0	-73.6	462.7	457.1	5.56	83.176					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - CP05B-03 H04 - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 17-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	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)				
0.0	0.0	37.0	24.3	0.0	0.0	-160.11	-82.2	-29.7	91.6					
100.0	100.0	110.0	97.4	0.1	0.2	-160.21	-82.1	-29.5	87.2	87.0	0.28	313.226		
200.0	200.0	210.0	197.4	0.3	0.3	-160.46	-81.9	-29.0	86.9	86.2	0.63	138.271		
300.0	300.0	310.0	297.3	0.5	0.5	-161.96	-82.1	-26.8	86.4	85.4	0.98	88.155		
400.0	400.0	410.5	397.8	0.6	0.7	-164.72	-82.7	-22.6	85.7	84.4	1.34	64.120		
500.0	500.0	509.1	496.2	0.8	0.9	41.62	-83.9	-18.4	83.9	82.2	1.70	49.261		
600.0	599.6	609.5	596.5	1.0	1.1	42.14	-85.4	-14.0	78.4	76.4	2.08	37.705		
700.0	698.8	709.1	696.0	1.3	1.3	45.44	-86.9	-9.2	69.2	66.7	2.49	27.810		
800.0	797.1	808.7	795.4	1.6	1.5	53.86	-87.2	-3.8	55.6	52.6	2.97	18.681		
900.0	894.3	906.5	893.1	2.0	1.7	73.58	-87.2	1.5	41.7	38.1	3.61	11.547		
970.7	962.2	974.7	961.2	2.4	1.8	100.56	-86.0	4.9	36.7	32.7	4.07	9.030 CC, ES, SF		
1,000.0	990.2	1,002.6	989.1	2.5	1.8	113.44	-85.4	6.3	37.8	33.7	4.15	9.115		
1,100.0	1,084.4	1,097.4	1,083.8	3.2	2.0	147.04	-83.6	11.2	56.2	52.1	4.17	13.489		
1,200.0	1,176.8	1,190.3	1,176.3	3.8	2.2	164.58	-80.5	18.2	88.3	84.1	4.22	20.908		
1,300.0	1,267.1	1,279.9	1,265.5	4.6	2.4	173.38	-76.9	25.8	128.8	124.4	4.43	29.109		
1,400.0	1,356.6	1,367.6	1,352.9	5.4	2.6	178.05	-72.9	32.9	173.0	168.3	4.75	36.399		
1,500.0	1,446.1	1,454.6	1,439.4	6.2	2.8	-179.14	-68.0	39.6	218.7	213.6	5.12	42.712		
1,600.0	1,535.6	1,542.8	1,527.1	7.0	3.0	-177.11	-62.7	46.9	264.9	259.4	5.52	48.017		
1,700.0	1,625.1	1,628.7	1,612.5	7.8	3.2	-175.50	-56.7	54.6	311.7	305.8	5.93	52.556		
1,800.0	1,714.6	1,715.4	1,698.6	8.6	3.5	-174.28	-50.1	62.4	359.2	352.8	6.35	56.519		
1,900.0	1,804.1	1,799.3	1,782.0	9.4	3.7	-173.47	-43.6	69.1	407.3	400.5	6.76	60.205		
2,000.0	1,893.6	1,886.5	1,868.7	10.2	3.9	-172.93	-36.6	75.1	455.9	448.7	7.17	63.545		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - CP08D-04 H04 - Existing - Existing												Offset Site Error:	0.0 ft
Survey Program: 17-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)					
0.0	0.0	37.0	24.3	0.0	0.0	-159.45	-73.0	-27.3	82.6				
100.0	100.0	109.8	97.1	0.1	0.2	-159.40	-72.7	-27.3	77.7	77.4	0.28	279.457	
200.0	200.0	209.9	197.2	0.3	0.3	-159.28	-72.5	-27.4	77.5	76.9	0.63	123.564	
300.0	300.0	310.0	297.3	0.5	0.5	-159.30	-72.3	-27.3	77.3	76.3	0.98	79.086	
400.0	400.0	410.0	397.3	0.6	0.7	-159.45	-72.0	-27.0	76.9	75.6	1.33	57.969	
500.0	500.0	510.0	497.3	0.8	0.9	49.88	-71.7	-26.5	74.7	73.0	1.68	44.528	
600.0	599.6	609.5	596.8	1.0	1.0	54.86	-71.4	-26.3	69.5	67.5	2.05	33.996	
700.0	698.8	708.5	695.8	1.3	1.2	64.48	-71.5	-26.0	62.8	60.3	2.47	25.454	
800.0	797.1	806.8	794.1	1.6	1.4	81.23	-71.4	-26.1	57.3	54.3	2.99	19.163	
843.7	839.7	849.6	836.9	1.8	1.5	90.71	-71.3	-26.1	56.6	53.3	3.25	17.378 CC, ES	
900.0	894.3	904.1	891.4	2.0	1.5	103.90	-71.2	-25.9	58.2	54.7	3.56	16.358 SF	
1,000.0	990.2	1,000.0	987.2	2.5	1.7	125.99	-71.0	-26.1	71.0	67.0	3.98	17.832	
1,100.0	1,084.4	1,094.5	1,081.7	3.2	1.9	141.78	-71.1	-25.7	94.6	90.3	4.25	22.248	
1,200.0	1,176.8	1,187.1	1,174.3	3.8	2.0	151.41	-72.0	-26.0	127.2	122.7	4.49	28.325	
1,300.0	1,267.1	1,277.8	1,265.1	4.6	2.2	157.68	-73.1	-26.1	166.1	161.4	4.73	35.141	
1,400.0	1,356.6	1,366.8	1,354.1	5.4	2.4	161.84	-74.4	-26.9	208.2	203.2	5.00	41.669	
1,500.0	1,446.1	1,456.1	1,443.3	6.2	2.5	164.70	-75.3	-27.5	251.0	245.7	5.28	47.553	
1,600.0	1,535.6	1,543.5	1,530.7	7.0	2.7	166.63	-76.0	-28.8	294.8	289.3	5.57	52.893	
1,700.0	1,625.1	1,633.9	1,621.2	7.8	2.8	168.21	-76.3	-29.7	339.0	333.1	5.87	57.712	
1,800.0	1,714.6	1,723.1	1,710.3	8.6	3.0	169.41	-76.6	-30.7	383.2	377.0	6.18	62.029	
1,900.0	1,804.1	1,814.5	1,801.7	9.4	3.1	170.43	-77.0	-31.2	427.3	420.8	6.48	65.896	
2,000.0	1,893.6	1,900.3	1,887.5	10.2	3.3	171.27	-76.9	-31.5	471.7	464.9	6.79	69.516	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - CP12D-03 H04 - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 17-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	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	37.0	24.3	0.0	0.0	-160.45	-92.3	-32.8	101.9					
100.0	100.0	108.4	95.8	0.1	0.2	-160.94	-92.7	-32.0	98.1	97.8	0.28	354.270		
200.0	200.0	208.3	195.6	0.3	0.3	-161.78	-93.5	-30.8	98.4	97.8	0.63	156.497		
300.0	300.0	307.8	295.1	0.5	0.5	-163.03	-94.7	-28.9	99.0	98.1	0.98	100.789		
400.0	400.0	406.0	393.2	0.6	0.7	-164.76	-97.3	-26.5	100.9	99.5	1.34	75.227		
500.0	500.0	505.6	492.7	0.8	0.9	42.45	-101.0	-24.1	101.9	100.3	1.69	60.194		
600.0	599.6	604.9	591.9	1.0	1.1	43.76	-105.1	-22.0	99.7	97.6	2.06	48.321		
700.0	698.8	704.3	691.2	1.3	1.3	47.66	-109.6	-20.4	94.3	91.9	2.47	38.205		
800.0	797.1	803.4	790.1	1.6	1.5	54.51	-114.4	-18.5	86.5	83.5	2.96	29.231		
900.0	894.3	902.3	888.9	2.0	1.7	65.99	-118.9	-16.4	77.4	73.8	3.59	21.532		
1,000.0	990.2	1,000.8	987.3	2.5	1.8	83.57	-122.6	-13.0	69.7	65.3	4.38	15.897		
1,056.0	1,043.2	1,055.2	1,041.7	2.9	1.9	96.31	-124.0	-10.5	68.0	63.2	4.81	14.129 CC, ES		
1,100.0	1,084.4	1,097.4	1,083.8	3.2	2.0	107.11	-125.0	-8.3	69.3	64.3	5.06	13.707 SF		
1,200.0	1,176.8	1,191.2	1,177.4	3.8	2.2	128.98	-127.8	-3.5	83.2	77.9	5.33	15.613		
1,300.0	1,267.1	1,283.2	1,269.2	4.6	2.4	143.40	-132.8	0.1	110.4	105.0	5.43	20.338		
1,400.0	1,356.6	1,375.1	1,360.9	5.4	2.6	152.39	-138.1	2.8	144.1	138.5	5.54	25.990		
1,500.0	1,446.1	1,468.4	1,453.9	6.2	2.8	158.06	-143.7	5.6	179.6	173.8	5.72	31.405		
1,600.0	1,535.6	1,563.7	1,549.0	7.0	3.0	161.88	-150.1	9.1	215.2	209.3	5.94	36.235		
1,700.0	1,625.1	1,658.8	1,643.8	7.8	3.2	164.60	-157.6	13.5	250.1	243.9	6.19	40.399		
1,800.0	1,714.6	1,751.4	1,735.9	8.6	3.4	166.83	-164.1	18.6	285.3	278.9	6.44	44.294		
1,900.0	1,804.1	1,844.9	1,829.1	9.4	3.6	168.61	-170.6	23.8	320.9	314.2	6.71	47.840		
2,000.0	1,893.6	1,939.3	1,923.1	10.2	3.9	170.09	-177.2	29.4	356.4	349.4	6.98	51.046		
2,100.0	1,983.1	2,032.7	2,016.0	11.0	4.1	171.17	-184.5	34.7	391.7	384.4	7.28	53.838		
2,200.0	2,072.6	2,129.3	2,112.2	11.8	4.3	172.12	-192.1	40.2	427.0	419.4	7.58	56.347		
2,300.0	2,162.1	2,229.8	2,212.1	12.6	4.6	172.91	-201.1	46.5	461.2	453.3	7.89	58.438		
2,400.0	2,251.6	2,332.0	2,313.5	13.5	4.8	173.58	-211.8	53.6	493.9	485.7	8.22	60.110		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF02A-09 H04 596 - DD - Plan #1													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	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-145.63	-26.3	-18.0	31.9					
100.0	100.0	100.0	100.0	0.1	0.1	-145.63	-26.3	-18.0	31.9	31.6	0.23	136.274		
134.1	134.1	134.1	134.1	0.2	0.2	-145.63	-26.3	-18.0	31.9	31.5	0.35	90.313	CC, ES	
200.0	200.0	199.5	199.5	0.3	0.3	-144.69	-26.3	-18.6	32.2	31.7	0.58	55.370		
300.0	300.0	298.3	298.2	0.5	0.5	-137.93	-26.3	-23.7	35.5	34.6	0.93	38.069		
400.0	400.0	396.3	395.6	0.6	0.7	-127.85	-26.3	-33.8	43.1	41.8	1.28	33.722		
500.0	500.0	492.7	490.9	0.8	1.1	91.89	-26.3	-48.7	56.1	54.4	1.68	33.427	SF	
600.0	599.6	586.5	582.7	1.0	1.4	103.43	-26.3	-67.7	76.5	74.4	2.03	37.725		
700.0	698.8	676.8	670.1	1.3	1.9	112.30	-26.3	-90.2	105.4	103.0	2.40	43.969		
800.0	797.1	762.7	752.2	1.6	2.4	118.46	-26.3	-115.4	142.7	139.9	2.81	50.706		
900.0	894.3	843.6	828.5	2.0	2.9	122.55	-26.3	-142.6	187.9	184.6	3.29	57.119		
1,000.0	990.2	919.3	898.6	2.5	3.5	125.18	-26.3	-170.8	240.2	236.3	3.82	62.883		
1,100.0	1,084.4	989.3	962.6	3.2	4.1	126.76	-26.3	-199.5	298.9	294.5	4.40	67.911		
1,200.0	1,176.8	1,053.7	1,020.4	3.8	4.6	127.53	-26.3	-227.8	363.4	358.4	5.03	72.180		
1,300.0	1,267.1	1,112.5	1,072.2	4.6	5.2	128.05	-26.3	-255.4	433.1	427.4	5.71	75.795		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF02B-09 H04 596 - DD - Plan #1												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)	Total Uncertainty Axis	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	-150.13	-35.4	-20.3	40.8				
100.0	100.0	100.0	100.0	0.1	0.1	-150.13	-35.4	-20.3	40.8	40.6	0.23	174.601	
200.0	200.0	200.0	200.0	0.3	0.3	-150.13	-35.4	-20.3	40.8	40.3	0.58	70.049	
300.0	300.0	300.0	300.0	0.5	0.5	-150.13	-35.4	-20.3	40.8	39.9	0.93	43.814	
400.0	400.0	400.0	400.0	0.6	0.6	-150.13	-35.4	-20.3	40.8	39.6	1.28	31.875	
500.0	500.0	500.0	500.0	0.8	0.8	61.19	-35.4	-20.3	39.5	37.9	1.63	24.184	
600.0	599.6	599.6	599.6	1.0	1.0	72.14	-35.4	-20.3	36.4	34.4	2.01	18.083	
700.0	698.8	700.3	700.3	1.3	1.2	91.47	-35.4	-17.7	32.3	29.9	2.45	13.183	
796.0	793.1	796.5	796.2	1.6	1.4	119.93	-35.4	-10.2	29.6	26.8	2.87	10.331 CC	
800.0	797.1	800.6	800.2	1.6	1.4	121.35	-35.4	-9.8	29.7	26.8	2.88	10.289 ES, SF	
900.0	894.3	899.9	898.7	2.0	1.6	156.80	-35.4	3.2	35.5	32.3	3.12	11.378	
1,000.0	990.2	998.0	995.4	2.5	1.9	179.98	-36.4	19.4	52.5	49.1	3.44	15.298	
1,100.0	1,084.4	1,096.9	1,093.1	3.2	2.1	-172.08	-41.4	33.6	75.7	71.8	3.85	19.646	
1,200.0	1,176.8	1,196.5	1,191.6	3.8	2.4	-170.63	-51.0	45.2	101.2	97.0	4.23	23.942	
1,300.0	1,267.1	1,296.4	1,290.1	4.6	2.7	-172.00	-65.1	54.2	128.4	123.9	4.52	28.387	
1,400.0	1,356.6	1,397.3	1,389.0	5.4	3.0	-174.65	-83.8	60.5	154.4	149.6	4.80	32.201	
1,500.0	1,446.1	1,499.2	1,488.1	6.2	3.3	-178.00	-107.2	64.0	177.8	172.8	5.04	35.285	
1,600.0	1,535.6	1,601.3	1,586.3	7.0	3.7	178.08	-135.1	64.6	199.0	193.6	5.33	37.318	
1,700.0	1,625.1	1,703.3	1,683.0	7.8	4.2	173.66	-167.4	62.4	218.6	212.8	5.80	37.690	
1,800.0	1,714.6	1,804.4	1,777.2	8.6	4.7	168.81	-203.7	57.4	237.3	230.7	6.58	36.065	
1,900.0	1,804.1	1,904.2	1,868.4	9.4	5.3	163.63	-243.6	49.6	256.0	248.2	7.77	32.953	
2,000.0	1,893.6	2,002.2	1,955.8	10.2	6.0	158.22	-286.6	39.4	275.4	266.0	9.37	29.390	
2,100.0	1,983.1	2,097.8	2,039.0	11.0	6.7	152.72	-332.1	26.9	296.4	285.1	11.33	26.176	
2,200.0	2,072.6	2,190.8	2,117.5	11.8	7.5	147.25	-379.6	12.5	319.9	306.4	13.53	23.640	
2,300.0	2,162.1	2,280.8	2,191.3	12.6	8.4	141.94	-428.5	-3.7	346.4	330.5	15.89	21.808	
2,400.0	2,251.6	2,367.5	2,260.1	13.5	9.2	136.90	-478.3	-21.2	376.5	358.2	18.24	20.636	
2,500.0	2,341.1	2,454.5	2,327.4	14.3	10.2	132.12	-530.1	-40.3	410.1	389.5	20.63	19.874	
2,600.0	2,430.6	2,542.5	2,395.4	15.1	11.1	127.94	-582.5	-59.6	446.3	423.4	22.90	19.488	
2,700.0	2,520.1	2,630.5	2,463.3	15.9	12.0	124.34	-635.0	-78.9	484.4	459.4	25.04	19.346	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF02C-04 H04 596 - DD - Plan #1		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	Total Uncertainty Axis	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)		(ft)	(ft)						
0.0	0.0	0.0	0.0	0.0	0.0	15.52	183.1	50.8	190.1								
100.0	100.0	100.0	100.0	0.1	0.1	15.52	183.1	50.8	190.1	189.8	0.23	812.708					
200.0	200.0	200.0	200.0	0.3	0.3	15.52	183.1	50.8	190.1	189.5	0.58	326.057					
300.0	300.0	300.0	300.0	0.5	0.5	15.52	183.1	50.8	190.1	189.1	0.93	203.938	CC, ES				
400.0	400.0	395.2	395.1	0.6	0.6	14.90	184.8	49.2	191.3	190.1	1.28	149.631					
500.0	500.0	489.6	489.3	0.8	0.8	-139.17	189.9	44.3	197.2	195.6	1.64	120.103					
600.0	599.6	581.9	580.9	1.0	1.1	-142.84	198.0	36.3	210.4	208.4	2.04	103.227					
700.0	698.8	670.9	668.5	1.3	1.4	-147.32	208.8	25.7	232.0	229.5	2.46	94.341					
800.0	797.1	755.4	751.1	1.6	1.7	-151.87	221.7	13.0	262.7	259.8	2.88	91.152	SF				
900.0	894.3	837.0	830.0	2.0	2.1	-156.14	236.6	-1.6	302.7	299.5	3.28	92.305					
1,000.0	990.2	922.1	912.0	2.5	2.5	-160.01	252.9	-17.4	349.8	346.1	3.65	95.726					
1,100.0	1,084.4	1,004.4	991.3	3.2	2.9	-163.10	268.5	-32.8	402.5	398.5	3.99	100.859					
1,200.0	1,176.8	1,083.7	1,067.7	3.8	3.3	-165.57	283.6	-47.6	460.3	456.0	4.30	107.178					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF02D-04 H04 596 - DD - Plan #1												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)	Total Uncertainty Axis	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	12.62	185.2	41.5	189.7				
100.0	100.0	100.0	100.0	0.1	0.1	12.62	185.2	41.5	189.7	189.5	0.23	811.327	
200.0	200.0	200.0	200.0	0.3	0.3	12.62	185.2	41.5	189.7	189.2	0.58	325.503	CC, ES
300.0	300.0	295.7	295.6	0.5	0.5	11.98	186.7	39.6	190.9	189.9	0.93	204.622	
400.0	400.0	390.9	390.6	0.6	0.7	10.10	191.2	34.1	194.4	193.1	1.32	147.658	
500.0	500.0	484.7	483.7	0.8	0.9	-145.00	198.5	25.0	202.9	201.2	1.71	118.362	
600.0	599.6	575.9	573.5	1.0	1.3	-149.34	208.4	12.9	219.4	217.2	2.15	101.929	
700.0	698.8	664.0	659.5	1.3	1.6	-154.12	220.5	-2.0	244.8	242.2	2.59	94.688	
800.0	797.1	755.6	748.5	1.6	2.0	-158.80	234.1	-18.7	277.9	274.9	3.01	92.464	SF
900.0	894.3	845.1	835.4	2.0	2.4	-162.70	247.4	-35.1	317.3	313.9	3.39	93.702	
1,000.0	990.2	932.1	920.0	2.5	2.8	-165.89	260.3	-50.9	362.5	358.8	3.73	97.184	
1,100.0	1,084.4	1,016.5	1,002.1	3.2	3.2	-168.48	272.8	-66.3	413.2	409.1	4.04	102.239	
1,200.0	1,176.8	1,098.0	1,081.3	3.8	3.5	-170.59	284.9	-81.2	468.8	464.5	4.32	108.469	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF02E-04 H04 596 - DD - Plan #1													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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	12.23	165.9	36.0	169.8					
100.0	100.0	100.0	100.0	0.1	0.1	12.23	165.9	36.0	169.8	169.6	0.23	726.031		
200.0	200.0	200.0	200.0	0.3	0.3	12.23	165.9	36.0	169.8	169.2	0.58	291.282		
300.0	300.0	300.0	300.0	0.5	0.5	12.23	165.9	36.0	169.8	168.9	0.93	182.188		
400.0	400.0	400.0	400.0	0.6	0.6	12.23	165.9	36.0	169.8	168.5	1.28	132.545	CC, ES	
500.0	500.0	500.1	500.1	0.8	0.8	-141.10	166.4	33.4	171.7	170.1	1.64	104.937		
600.0	599.6	598.9	598.6	1.0	1.0	-145.04	167.7	25.8	178.2	176.2	2.02	88.118		
700.0	698.8	690.6	689.5	1.3	1.3	-150.30	170.9	14.8	191.9	189.4	2.43	78.803		
800.0	797.1	778.5	776.1	1.6	1.5	-155.90	176.7	1.3	215.3	212.4	2.86	75.239	SF	
900.0	894.3	865.6	861.4	2.0	1.8	-161.29	184.8	-14.7	248.6	245.4	3.27	76.119		
1,000.0	990.2	954.4	948.2	2.5	2.2	-165.89	193.5	-31.3	289.1	285.5	3.64	79.390		
1,100.0	1,084.4	1,040.7	1,032.5	3.2	2.5	-169.51	201.9	-47.4	335.7	331.7	3.98	84.393		
1,200.0	1,176.8	1,124.3	1,114.2	3.8	2.8	-172.36	210.1	-63.1	387.7	383.5	4.28	90.609		
1,300.0	1,267.1	1,205.0	1,193.2	4.6	3.2	-174.65	218.0	-78.2	444.7	440.2	4.56	97.493		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04A-10 H04 596 - DD - Plan #1													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)	Total Uncertainty Axis	Separation Factor				
0.0	0.0	0.0	0.0	0.0	0.0	-163.11	-28.3	-8.6	29.6							
100.0	100.0	100.0	100.0	0.1	0.1	-163.11	-28.3	-8.6	29.6	29.4	0.23	126.602				
200.0	200.0	200.0	200.0	0.3	0.3	-163.11	-28.3	-8.6	29.6	29.0	0.58	50.792				
233.7	233.7	233.7	233.7	0.4	0.4	-163.11	-28.3	-8.6	29.6	28.9	0.70	42.264	CC, ES			
300.0	300.0	299.4	299.4	0.5	0.5	-163.89	-28.9	-8.4	30.1	29.2	0.93	32.325				
400.0	400.0	397.9	397.8	0.6	0.7	-169.27	-33.6	-6.4	34.3	33.0	1.29	26.518				
500.0	500.0	496.0	495.3	0.8	0.9	33.07	-42.9	-2.4	41.0	39.4	1.64	24.952				
600.0	599.6	593.6	591.8	1.0	1.2	29.51	-56.7	3.4	48.1	46.1	2.02	23.887				
700.0	698.8	690.9	687.0	1.3	1.6	27.33	-75.0	11.2	55.5	53.1	2.40	23.074				
800.0	797.1	787.9	780.8	1.6	2.0	26.07	-97.6	20.8	62.9	60.1	2.82	22.326				
900.0	894.3	884.4	872.8	2.0	2.6	25.45	-124.4	32.2	70.4	67.1	3.27	21.553				
1,000.0	990.2	980.6	962.9	2.5	3.2	25.26	-155.4	45.3	77.9	74.1	3.76	20.705				
1,100.0	1,084.4	1,076.5	1,051.0	3.2	3.9	25.41	-190.4	60.2	85.3	81.0	4.32	19.766				
1,200.0	1,176.8	1,172.1	1,136.7	3.8	4.7	25.79	-229.3	76.7	92.7	87.8	4.95	18.737				
1,300.0	1,267.1	1,267.3	1,219.9	4.6	5.5	26.37	-271.9	94.7	100.2	94.5	5.67	17.653				
1,400.0	1,356.6	1,364.6	1,302.8	5.4	6.5	26.53	-318.8	114.6	110.0	103.5	6.42	17.123				
1,500.0	1,446.1	1,464.1	1,387.3	6.2	7.4	26.56	-367.1	135.1	120.3	113.1	7.18	16.753				
1,600.0	1,535.6	1,563.5	1,471.7	7.0	8.3	26.59	-415.5	155.7	130.6	122.6	7.94	16.436				
1,700.0	1,625.1	1,663.0	1,556.2	7.8	9.3	26.62	-463.8	176.2	140.9	132.2	8.72	16.164				
1,800.0	1,714.6	1,762.5	1,640.7	8.6	10.2	26.64	-512.2	196.7	151.2	141.7	9.49	15.928				
1,900.0	1,804.1	1,861.9	1,725.1	9.4	11.2	26.66	-560.6	217.2	161.5	151.2	10.27	15.723				
2,000.0	1,893.6	1,961.4	1,809.6	10.2	12.1	26.68	-608.9	237.7	171.8	160.8	11.06	15.542				
2,100.0	1,983.1	2,060.9	1,894.1	11.0	13.1	26.70	-657.3	258.2	182.1	170.3	11.84	15.382				
2,200.0	2,072.6	2,160.3	1,978.5	11.8	14.0	26.71	-705.6	278.7	192.4	179.8	12.63	15.240				
2,300.0	2,162.1	2,259.8	2,063.0	12.6	15.0	26.72	-754.0	299.2	202.8	189.3	13.42	15.113				
2,400.0	2,251.6	2,359.3	2,147.5	13.5	15.9	26.73	-802.3	319.8	213.1	198.9	14.21	14.998				
2,500.0	2,341.1	2,458.7	2,231.9	14.3	16.8	26.74	-850.7	340.3	223.4	208.4	15.00	14.895				
2,600.0	2,430.6	2,558.2	2,316.4	15.1	17.8	26.75	-899.0	360.8	233.7	217.9	15.79	14.801				
2,700.0	2,520.1	2,657.7	2,400.9	15.9	18.7	26.76	-947.4	381.3	244.0	227.4	16.58	14.715				
2,800.0	2,609.6	2,757.1	2,485.3	16.7	19.7	26.77	-995.7	401.8	254.3	236.9	17.38	14.636				
2,900.0	2,699.1	2,856.6	2,569.8	17.5	20.6	26.78	-1,044.1	422.3	264.6	246.5	18.17	14.564				
3,000.0	2,788.6	2,956.1	2,654.3	18.3	21.6	26.78	-1,092.4	442.8	274.9	256.0	18.96	14.498				
3,100.0	2,878.1	3,055.5	2,738.7	19.1	22.5	26.79	-1,140.8	463.4	285.2	265.5	19.76	14.436				
3,200.0	2,967.6	3,155.0	2,823.2	20.0	23.5	26.79	-1,189.1	483.9	295.6	275.0	20.55	14.379				
3,300.0	3,057.1	3,254.5	2,907.7	20.8	24.5	26.80	-1,237.5	504.4	305.9	284.5	21.35	14.326				
3,400.0	3,146.5	3,353.9	2,992.1	21.6	25.4	26.81	-1,285.8	524.9	316.2	294.0	22.15	14.276				
3,500.0	3,236.0	3,453.4	3,076.6	22.4	26.4	26.81	-1,334.2	545.4	326.5	303.5	22.94	14.230				
3,600.0	3,325.5	3,552.9	3,161.1	23.2	27.3	26.81	-1,382.6	565.9	336.8	313.1	23.74	14.187				
3,700.0	3,415.0	3,652.3	3,245.6	24.0	28.3	26.82	-1,430.9	586.4	347.1	322.6	24.54	14.146				
3,800.0	3,504.5	3,751.8	3,330.0	24.8	29.2	26.82	-1,479.3	607.0	357.4	332.1	25.33	14.108				
3,900.0	3,594.0	3,851.3	3,414.5	25.6	30.2	26.83	-1,527.6	627.5	367.7	341.6	26.13	14.072				
4,000.0	3,683.5	3,950.8	3,499.0	26.5	31.1	26.83	-1,576.0	648.0	378.0	351.1	26.93	14.038				
4,100.0	3,773.0	4,050.2	3,583.4	27.3	32.1	26.83	-1,624.3	668.5	388.4	360.6	27.73	14.006				
4,200.0	3,862.5	4,149.7	3,667.9	28.1	33.0	26.84	-1,672.7	689.0	398.7	370.1	28.53	13.976				
4,300.0	3,952.0	4,249.2	3,752.4	28.9	34.0	26.84	-1,721.0	709.5	409.0	379.7	29.32	13.947				
4,400.0	4,041.5	4,348.6	3,836.8	29.7	34.9	26.84	-1,769.4	730.0	419.3	389.2	30.12	13.920				
4,500.0	4,131.0	4,448.1	3,921.3	30.5	35.9	26.84	-1,817.7	750.6	429.6	398.7	30.92	13.894				
4,600.0	4,220.5	4,547.6	4,005.8	31.3	36.8	26.85	-1,866.1	771.1	439.9	408.2	31.72	13.869				
4,700.0	4,310.0	4,647.0	4,090.2	32.2	37.8	26.85	-1,914.4	791.6	450.2	417.7	32.52	13.846				
4,800.0	4,399.5	4,746.5	4,174.7	33.0	38.7	26.85	-1,962.8	812.1	460.5	427.2	33.32	13.823				
4,900.0	4,489.0	4,846.0	4,259.2	33.8	39.7	26.85	-2,011.1	832.6	470.8	436.7	34.11	13.802				
5,000.0	4,578.5	4,945.4	4,343.6	34.6	40.6	26.86	-2,059.5	853.1	481.2	446.2	34.91	13.781				

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04A-10 H04 596 - DD - Plan #1													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 +N/-S	+E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)			
5,100.0	4,668.0	5,044.9	4,428.1	35.4	41.6	26.86	-2,107.8	873.6	491.5	455.8	35.71	13.762 SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04B-04 H04 596 - DD - Plan #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)	Total Uncertainty Axis	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	15.66	173.0	48.5	179.7				
100.0	100.0	100.0	100.0	0.1	0.1	15.66	173.0	48.5	179.7	179.5	0.23	768.304	
200.0	200.0	200.0	200.0	0.3	0.3	15.66	173.0	48.5	179.7	179.1	0.58	308.242	
300.0	300.0	300.0	300.0	0.5	0.5	15.66	173.0	48.5	179.7	178.8	0.93	192.796	
400.0	400.0	400.0	400.0	0.6	0.6	15.66	173.0	48.5	179.7	178.4	1.28	140.263 CC, ES	
500.0	500.0	496.7	496.7	0.8	0.8	-137.49	174.4	46.5	182.5	180.8	1.63	111.921	
600.0	599.6	592.0	591.7	1.0	1.0	-140.87	178.6	40.6	191.3	189.3	2.01	95.400	
700.0	698.8	684.6	683.5	1.3	1.2	-145.65	185.2	31.2	207.4	205.0	2.42	85.898	
800.0	797.1	774.5	772.1	1.6	1.5	-151.07	193.9	18.4	232.1	229.2	2.84	81.704	
900.0	894.3	861.4	857.0	2.0	1.9	-156.53	203.5	2.4	265.1	261.8	3.28	80.859 SF	
1,000.0	990.2	942.8	935.6	2.5	2.2	-161.51	213.5	-15.9	306.8	303.2	3.69	83.120	
1,100.0	1,084.4	1,018.1	1,007.6	3.2	2.6	-165.80	223.4	-35.8	357.1	353.0	4.06	87.855	
1,200.0	1,176.8	1,087.2	1,072.8	3.8	3.1	-169.41	233.2	-56.4	415.2	410.8	4.40	94.400	
1,300.0	1,267.1	1,149.9	1,131.2	4.6	3.5	-172.49	242.6	-77.1	480.4	475.7	4.71	102.086	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04B-10 H04 596 - DD - Plan #1												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	Total Uncertainty Axis	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)					
0.0	0.0	0.0	0.0	0.0	0.0	-164.10	-38.4	-11.0	40.0						
100.0	100.0	100.0	100.0	0.1	0.1	-164.10	-38.4	-11.0	40.0	39.7	0.23	170.922			
200.0	200.0	200.0	200.0	0.3	0.3	-164.10	-38.4	-11.0	40.0	39.4	0.58	68.574	CC, ES		
300.0	300.0	298.3	298.2	0.5	0.5	-166.20	-40.8	-10.0	42.0	41.1	0.94	44.923			
400.0	400.0	396.0	395.7	0.6	0.7	-171.37	-47.8	-7.3	48.5	47.2	1.31	36.943			
500.0	500.0	493.1	492.0	0.8	1.0	31.83	-59.3	-2.7	57.7	56.1	1.65	34.954			
600.0	599.6	589.7	587.0	1.0	1.3	28.78	-75.3	3.6	67.3	65.2	2.02	33.238			
700.0	698.8	685.8	680.6	1.3	1.7	26.92	-95.6	11.6	77.0	74.6	2.41	31.917			
800.0	797.1	781.5	772.5	1.6	2.2	25.86	-120.1	21.3	86.9	84.0	2.83	30.726			
900.0	894.3	876.7	862.6	2.0	2.8	25.34	-148.8	32.7	96.7	93.4	3.27	29.532			
1,000.0	990.2	971.4	950.6	2.5	3.5	25.21	-181.4	45.5	106.5	102.8	3.77	28.268			
1,100.0	1,084.4	1,065.8	1,036.4	3.2	4.2	25.37	-217.8	59.9	116.3	112.0	4.32	26.906			
1,200.0	1,176.8	1,159.7	1,119.8	3.8	5.0	25.76	-258.0	75.8	126.0	121.0	4.95	25.448			
1,300.0	1,267.1	1,253.2	1,200.6	4.6	5.9	26.32	-301.7	93.1	135.6	129.9	5.67	23.930			
1,400.0	1,356.6	1,347.9	1,280.1	5.4	6.8	26.58	-349.5	112.0	148.0	141.6	6.42	23.075			
1,500.0	1,446.1	1,446.9	1,362.6	6.2	7.8	26.66	-400.5	132.1	161.6	154.4	7.18	22.517			
1,600.0	1,535.6	1,546.0	1,445.2	7.0	8.7	26.72	-451.5	152.3	175.2	167.2	7.95	22.041			
1,700.0	1,625.1	1,645.1	1,527.7	7.8	9.7	26.78	-502.5	172.4	188.7	180.0	8.72	21.634			
1,800.0	1,714.6	1,744.2	1,610.2	8.6	10.7	26.83	-553.4	192.6	202.3	192.8	9.51	21.281			
1,900.0	1,804.1	1,843.2	1,692.8	9.4	11.7	26.87	-604.4	212.7	215.9	205.6	10.29	20.974			
2,000.0	1,893.6	1,942.3	1,775.3	10.2	12.7	26.91	-655.4	232.9	229.4	218.4	11.08	20.705			
2,100.0	1,983.1	2,041.4	1,857.8	11.0	13.7	26.94	-706.4	253.0	243.0	231.1	11.87	20.467			
2,200.0	2,072.6	2,140.5	1,940.4	11.8	14.7	26.97	-757.4	273.2	256.6	243.9	12.67	20.255			
2,300.0	2,162.1	2,239.5	2,022.9	12.6	15.6	27.00	-808.3	293.3	270.1	256.7	13.46	20.066			
2,400.0	2,251.6	2,338.6	2,105.4	13.5	16.6	27.02	-859.3	313.5	283.7	269.4	14.26	19.895			
2,500.0	2,341.1	2,437.7	2,187.9	14.3	17.6	27.04	-910.3	333.6	297.3	282.2	15.06	19.741			
2,600.0	2,430.6	2,536.8	2,270.5	15.1	18.6	27.06	-961.3	353.8	310.8	295.0	15.86	19.602			
2,700.0	2,520.1	2,635.8	2,353.0	15.9	19.6	27.08	-1,012.2	373.9	324.4	307.7	16.66	19.474			
2,800.0	2,609.6	2,734.9	2,435.5	16.7	20.6	27.10	-1,063.2	394.1	338.0	320.5	17.46	19.358			
2,900.0	2,699.1	2,834.0	2,518.1	17.5	21.6	27.11	-1,114.2	414.2	351.5	333.3	18.26	19.251			
3,000.0	2,788.6	2,933.1	2,600.6	18.3	22.6	27.13	-1,165.2	434.4	365.1	346.0	19.06	19.152			
3,100.0	2,878.1	3,032.1	2,683.1	19.1	23.6	27.14	-1,216.1	454.5	378.7	358.8	19.87	19.061			
3,200.0	2,967.6	3,131.2	2,765.7	20.0	24.5	27.15	-1,267.1	474.7	392.2	371.6	20.67	18.976			
3,300.0	3,057.1	3,230.3	2,848.2	20.8	25.5	27.16	-1,318.1	494.8	405.8	384.3	21.47	18.898			
3,400.0	3,146.5	3,329.4	2,930.7	21.6	26.5	27.17	-1,369.1	515.0	419.4	397.1	22.28	18.824			
3,500.0	3,236.0	3,428.4	3,013.3	22.4	27.5	27.18	-1,420.1	535.1	433.0	409.9	23.08	18.756			
3,600.0	3,325.5	3,527.5	3,095.8	23.2	28.5	27.19	-1,471.0	555.2	446.5	422.6	23.89	18.692			
3,700.0	3,415.0	3,626.6	3,178.3	24.0	29.5	27.20	-1,522.0	575.4	460.1	435.4	24.69	18.632			
3,800.0	3,504.5	3,725.7	3,260.8	24.8	30.5	27.21	-1,573.0	595.5	473.7	448.2	25.50	18.575			
3,900.0	3,594.0	3,824.7	3,343.4	25.6	31.5	27.22	-1,624.0	615.7	487.2	460.9	26.31	18.522	SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												H04 596 Pad - UWF04C-04 H04 596 - DD - Plan #1		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)	Total Uncertainty Axis	Separation Factor				
0.0	0.0	0.0	0.0	0.0	0.0	12.52	176.1	39.1	180.4							
100.0	100.0	100.0	100.0	0.1	0.1	12.52	176.1	39.1	180.4	180.1	0.23	771.157				
200.0	200.0	202.7	202.7	0.3	0.3	12.33	175.8	38.4	180.0	179.4	0.59	306.042				
300.0	300.0	307.7	307.5	0.5	0.5	10.75	173.8	33.0	177.1	176.1	0.95	185.462				
400.0	400.0	411.7	410.9	0.6	0.8	7.47	169.9	22.3	171.7	170.4	1.35	127.636				
500.0	500.0	514.1	511.9	0.8	1.1	-150.16	164.2	6.6	167.1	165.1	1.92	87.007				
546.2	546.0	560.6	557.4	0.9	1.3	-153.67	161.0	-2.2	166.4	164.2	2.20	75.743	CC, ES			
600.0	599.6	614.0	609.4	1.0	1.6	-158.31	156.9	-13.6	167.4	164.9	2.53	66.250				
700.0	698.8	706.0	698.3	1.3	2.0	-167.35	149.3	-36.3	176.5	173.4	3.16	55.894				
800.0	797.1	791.7	780.3	1.6	2.5	-175.69	144.3	-60.7	198.8	195.1	3.76	52.872	SF			
900.0	894.3	872.8	857.1	2.0	3.0	177.36	141.5	-86.6	233.9	229.6	4.30	54.393				
1,000.0	990.2	948.6	928.0	2.5	3.5	171.97	140.8	-113.2	280.0	275.2	4.78	58.614				
1,100.0	1,084.4	1,018.6	992.8	3.2	4.0	167.86	141.6	-139.8	335.4	330.1	5.21	64.355				
1,200.0	1,176.8	1,082.6	1,051.2	3.8	4.5	164.67	143.7	-165.7	398.4	392.8	5.62	70.878				
1,300.0	1,267.1	1,140.5	1,103.4	4.6	5.0	162.22	146.6	-190.6	468.0	462.0	6.04	77.527				

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04C-10 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-163.51	-47.6	-14.1	49.6					
100.0	100.0	100.0	100.0	0.1	0.1	-163.51	-47.6	-14.1	49.6	49.4	0.23	212.047		
133.5	133.5	133.5	133.5	0.2	0.2	-163.51	-47.6	-14.1	49.6	49.2	0.35	141.344 CC, ES		
200.0	200.0	199.0	199.0	0.3	0.3	-163.94	-48.1	-13.9	50.1	49.5	0.58	86.117		
300.0	300.0	296.7	296.5	0.5	0.5	-167.07	-52.8	-12.1	54.3	53.4	0.95	57.415		
400.0	400.0	393.6	392.9	0.6	0.7	-172.02	-62.1	-8.7	63.1	61.8	1.34	47.001		
500.0	500.0	489.7	487.9	0.8	1.0	31.63	-75.8	-3.6	74.6	73.0	1.66	44.988		
600.0	599.6	585.1	581.4	1.0	1.4	28.85	-93.8	3.0	86.6	84.5	2.03	42.571		
700.0	698.8	680.0	673.3	1.3	1.9	27.13	-116.1	11.3	98.7	96.3	2.42	40.705		
800.0	797.1	774.4	763.3	1.6	2.4	26.14	-142.4	21.0	110.9	108.0	2.84	39.041		
900.0	894.3	868.2	851.4	2.0	3.0	25.64	-172.7	32.2	123.0	119.7	3.29	37.404		
1,000.0	990.2	961.5	937.3	2.5	3.7	25.51	-206.8	44.8	135.1	131.3	3.78	35.709		
1,100.0	1,084.4	1,054.2	1,020.8	3.2	4.5	25.64	-244.6	58.8	147.1	142.8	4.34	33.919		
1,200.0	1,176.8	1,146.5	1,101.9	3.8	5.3	25.98	-285.9	74.1	159.0	154.0	4.96	32.035		
1,300.0	1,267.1	1,238.3	1,180.4	4.6	6.2	26.50	-330.6	90.6	170.8	165.1	5.68	30.095		
1,400.0	1,356.6	1,329.7	1,256.1	5.4	7.1	26.82	-378.6	108.3	185.5	179.1	6.42	28.885		
1,500.0	1,446.1	1,428.3	1,336.7	6.2	8.1	26.91	-431.9	128.1	202.1	195.0	7.19	28.125		
1,600.0	1,535.6	1,526.9	1,417.2	7.0	9.1	26.99	-485.3	147.8	218.8	210.8	7.96	27.481		
1,700.0	1,625.1	1,625.5	1,497.7	7.8	10.1	27.06	-538.6	167.5	235.5	226.7	8.74	26.931		
1,800.0	1,714.6	1,724.1	1,578.3	8.6	11.2	27.11	-592.0	187.2	252.1	242.6	9.53	26.456		
1,900.0	1,804.1	1,822.7	1,658.8	9.4	12.2	27.16	-645.3	207.0	268.8	258.5	10.32	26.043		
2,000.0	1,893.6	1,921.3	1,739.4	10.2	13.2	27.21	-698.7	226.7	285.4	274.3	11.11	25.682		
2,100.0	1,983.1	2,019.9	1,819.9	11.0	14.2	27.25	-752.0	246.4	302.1	290.2	11.91	25.363		
2,200.0	2,072.6	2,118.5	1,900.4	11.8	15.2	27.28	-805.4	266.2	318.8	306.0	12.71	25.079		
2,300.0	2,162.1	2,217.1	1,981.0	12.6	16.3	27.32	-858.7	285.9	335.4	321.9	13.51	24.826		
2,400.0	2,251.6	2,315.7	2,061.5	13.5	17.3	27.34	-912.1	305.6	352.1	337.8	14.31	24.599		
2,500.0	2,341.1	2,414.3	2,142.1	14.3	18.3	27.37	-965.4	325.4	368.7	353.6	15.12	24.393		
2,600.0	2,430.6	2,513.0	2,222.6	15.1	19.3	27.39	-1,018.8	345.1	385.4	369.5	15.92	24.207		
2,700.0	2,520.1	2,611.6	2,303.1	15.9	20.4	27.42	-1,072.2	364.8	402.0	385.3	16.73	24.037		
2,800.0	2,609.6	2,710.2	2,383.7	16.7	21.4	27.44	-1,125.5	384.5	418.7	401.2	17.53	23.881		
2,900.0	2,699.1	2,808.8	2,464.2	17.5	22.4	27.46	-1,178.9	404.3	435.4	417.0	18.34	23.739		
3,000.0	2,788.6	2,907.4	2,544.8	18.3	23.4	27.47	-1,232.2	424.0	452.0	432.9	19.15	23.607		
3,100.0	2,878.1	3,006.0	2,625.3	19.1	24.5	27.49	-1,285.6	443.7	468.7	448.7	19.96	23.486		
3,200.0	2,967.6	3,104.6	2,705.8	20.0	25.5	27.50	-1,338.9	463.5	485.3	464.6	20.76	23.373 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04D-03 H04 596 - DD - Plan #1													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	Total Uncertainty Axis	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	15.72	163.9	46.2	170.3					
100.0	100.0	100.0	100.0	0.1	0.1	15.72	163.9	46.2	170.3	170.1	0.23	728.122		
200.0	200.0	200.0	200.0	0.3	0.3	15.72	163.9	46.2	170.3	169.7	0.58	292.121	CC, ES	
300.0	300.0	295.4	295.3	0.5	0.5	16.42	164.3	48.4	171.3	170.4	0.93	185.164		
400.0	400.0	388.0	387.7	0.6	0.7	17.97	167.1	54.2	176.1	174.9	1.26	139.276		
500.0	500.0	479.8	478.8	0.8	0.9	-132.12	172.8	63.3	187.0	185.4	1.65	113.312		
600.0	599.6	569.9	567.7	1.0	1.2	-130.73	181.2	75.5	205.6	203.5	2.05	100.407		
700.0	698.8	657.6	653.5	1.3	1.6	-129.74	192.0	90.4	231.5	229.0	2.49	93.155		
800.0	797.1	748.4	741.5	1.6	2.0	-129.16	205.3	108.4	263.8	260.8	2.98	88.427		
900.0	894.3	841.7	831.8	2.0	2.4	-129.22	219.1	127.1	299.5	296.0	3.55	84.452		
1,000.0	990.2	933.4	920.7	2.5	2.8	-129.72	232.8	145.5	338.4	334.3	4.17	81.220		
1,100.0	1,084.4	1,023.5	1,007.8	3.2	3.2	-130.46	246.2	163.6	380.7	375.8	4.84	78.660		
1,200.0	1,176.8	1,111.5	1,093.1	3.8	3.7	-131.32	259.3	181.3	426.3	420.8	5.56	76.719		
1,300.0	1,267.1	1,197.3	1,176.2	4.6	4.1	-132.41	272.1	198.5	475.4	469.1	6.31	75.337	SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04D-10 H04 596 - DD - Plan #1													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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-152.73	-45.5	-23.5	51.2					
100.0	100.0	100.0	100.0	0.1	0.1	-152.73	-45.5	-23.5	51.2	51.0	0.23	219.022		
133.3	133.3	133.3	133.3	0.2	0.2	-152.73	-45.5	-23.5	51.2	50.9	0.35	146.261	CC, ES	
200.0	200.0	198.7	198.7	0.3	0.3	-152.70	-46.1	-23.8	51.9	51.3	0.58	89.289		
300.0	300.0	295.8	295.7	0.5	0.5	-152.47	-50.3	-26.2	56.9	56.0	0.93	61.248		
400.0	400.0	392.2	391.5	0.6	0.7	-152.10	-58.8	-31.1	67.1	65.8	1.29	52.055		
500.0	500.0	487.5	485.8	0.8	1.0	57.49	-71.3	-38.3	80.8	79.2	1.61	50.081		
600.0	599.6	581.6	578.0	1.0	1.4	60.90	-87.6	-47.8	96.9	94.9	1.98	48.952		
700.0	698.8	674.3	667.7	1.3	1.9	65.08	-107.5	-59.2	115.9	113.5	2.40	48.210		
800.0	797.1	765.2	754.6	1.6	2.4	69.34	-130.6	-72.6	138.2	135.3	2.93	47.151		
900.0	894.3	857.6	841.7	2.0	2.9	73.36	-157.7	-87.7	163.8	160.2	3.62	45.300		
1,000.0	990.2	955.3	933.1	2.5	3.6	76.54	-189.5	-100.9	189.0	184.5	4.51	41.913		
1,100.0	1,084.4	1,054.3	1,025.0	3.2	4.2	78.94	-225.0	-110.3	212.6	207.0	5.60	37.947		
1,200.0	1,176.8	1,154.7	1,117.3	3.8	4.9	80.86	-264.0	-115.7	234.4	227.5	6.90	33.982		
1,300.0	1,267.1	1,256.4	1,209.6	4.6	5.6	82.56	-306.7	-117.0	254.3	245.9	8.39	30.322		
1,400.0	1,356.6	1,359.5	1,301.6	5.4	6.4	83.77	-353.0	-114.0	272.4	262.4	9.97	27.327		
1,500.0	1,446.1	1,463.5	1,392.7	6.2	7.3	83.77	-402.8	-106.6	288.6	277.1	11.58	24.931		
1,600.0	1,535.6	1,567.9	1,481.9	7.0	8.2	82.76	-455.6	-94.7	303.1	289.9	13.20	22.967		
1,700.0	1,625.1	1,672.0	1,568.5	7.8	9.1	80.86	-510.9	-78.4	315.9	301.1	14.79	21.352		
1,800.0	1,714.6	1,775.2	1,651.8	8.6	10.1	78.20	-568.4	-58.0	327.6	311.2	16.34	20.049		
1,900.0	1,804.1	1,874.8	1,729.9	9.4	11.2	75.07	-625.7	-34.9	338.9	321.2	17.72	19.124		
2,000.0	1,893.6	1,972.4	1,806.2	10.2	12.2	72.12	-682.1	-11.9	351.0	332.0	19.02	18.459		
2,100.0	1,983.1	2,070.1	1,882.6	11.0	13.2	69.38	-738.5	11.1	364.1	343.8	20.27	17.961		
2,200.0	2,072.6	2,167.7	1,958.9	11.8	14.3	66.82	-794.9	34.1	377.9	356.5	21.45	17.617		
2,300.0	2,162.1	2,265.3	2,035.2	12.6	15.3	64.44	-851.3	57.1	392.5	369.9	22.57	17.387		
2,400.0	2,251.6	2,363.0	2,111.5	13.5	16.4	62.24	-907.6	80.1	407.6	384.0	23.63	17.247		
2,500.0	2,341.1	2,460.6	2,187.8	14.3	17.4	60.19	-964.0	103.1	423.4	398.7	24.65	17.176		
2,600.0	2,430.6	2,558.2	2,264.1	15.1	18.5	58.28	-1,020.4	126.1	439.6	414.0	25.61	17.162	SF	
2,700.0	2,520.1	2,655.9	2,340.4	15.9	19.6	56.51	-1,076.8	149.1	456.3	429.7	26.54	17.192		
2,800.0	2,609.6	2,753.5	2,416.7	16.7	20.7	54.87	-1,133.2	172.1	473.3	445.9	27.43	17.258		
2,900.0	2,699.1	2,851.1	2,493.0	17.5	21.7	53.34	-1,189.6	195.1	490.8	462.5	28.28	17.352		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												H04 596 Pad - UWF04E-03 H04 596 - DD - Plan #1		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)	Total Uncertainty Axis	Separation Factor				
0.0	0.0	0.0	0.0	0.0	0.0	15.63	153.8	43.0	159.7							
100.0	100.0	100.0	100.0	0.1	0.1	15.63	153.8	43.0	159.7	159.5	0.23	682.870				
200.0	200.0	200.0	200.0	0.3	0.3	15.63	153.8	43.0	159.7	159.1	0.58	273.966				
300.0	300.0	300.0	300.0	0.5	0.5	15.63	153.8	43.0	159.7	158.8	0.93	171.357	CC, ES			
400.0	400.0	394.4	394.3	0.6	0.6	16.22	154.9	45.1	161.5	160.2	1.27	126.941				
500.0	500.0	488.2	487.9	0.8	0.8	-134.48	158.3	51.1	168.6	167.0	1.63	103.378				
600.0	599.6	580.9	579.9	1.0	1.1	-133.33	163.8	61.1	183.0	181.0	2.02	90.579				
700.0	698.8	671.8	669.4	1.3	1.4	-132.32	171.3	74.6	204.4	201.9	2.46	83.054				
800.0	797.1	761.1	756.6	1.6	1.7	-131.44	180.7	91.4	232.6	229.6	2.96	78.605				
900.0	894.3	855.5	848.4	2.0	2.1	-131.11	191.4	110.7	265.4	261.9	3.54	74.997				
1,000.0	990.2	948.6	939.0	2.5	2.5	-131.37	202.0	129.7	301.5	297.3	4.17	72.226				
1,100.0	1,084.4	1,040.1	1,027.9	3.2	2.9	-132.00	212.3	148.4	340.9	336.1	4.86	70.135				
1,200.0	1,176.8	1,129.8	1,115.1	3.8	3.3	-132.83	222.5	166.7	383.8	378.2	5.59	68.651				
1,300.0	1,267.1	1,217.4	1,200.3	4.6	3.7	-133.93	232.5	184.6	430.2	423.9	6.35	67.717				
1,400.0	1,356.6	1,304.2	1,284.7	5.4	4.1	-135.74	242.3	202.4	478.2	471.0	7.13	67.026	SF			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04E-04 H04 596 - DD - Plan #1													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	Total Uncertainty	Separation		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	12.10	156.8	33.6	160.4					
100.0	100.0	100.0	100.0	0.1	0.1	12.10	156.8	33.6	160.4	160.2	0.23	685.854		
200.0	200.0	200.0	200.0	0.3	0.3	12.10	156.8	33.6	160.4	159.8	0.58	275.163		
300.0	300.0	300.0	300.0	0.5	0.5	12.10	156.8	33.6	160.4	159.5	0.93	172.106		
400.0	400.0	400.4	400.3	0.6	0.6	11.16	157.2	31.0	160.3	159.0	1.29	124.567		
405.1	405.1	405.5	405.4	0.6	0.7	-140.87	157.3	30.8	160.3	159.0	1.31	122.512 CC, ES		
500.0	500.0	500.0	499.6	0.8	0.9	-144.08	158.5	23.3	162.3	160.6	1.68	96.824		
600.0	599.6	597.6	596.4	1.0	1.1	-149.76	160.4	10.8	169.8	167.7	2.12	80.167		
700.0	698.8	692.1	689.3	1.3	1.5	-156.80	163.0	-6.0	184.8	182.2	2.61	70.887		
800.0	797.1	782.4	777.3	1.6	1.8	-164.02	166.2	-26.2	209.1	206.0	3.11	67.247 SF		
900.0	894.3	867.7	859.4	2.0	2.3	-170.60	169.8	-49.1	243.3	239.7	3.59	67.785		
1,000.0	990.2	947.5	935.2	2.5	2.8	-176.21	173.7	-73.8	287.2	283.2	4.03	71.252		
1,100.0	1,084.4	1,021.3	1,004.3	3.2	3.3	179.17	177.7	-99.3	340.0	335.6	4.43	76.701		
1,200.0	1,176.8	1,089.0	1,066.8	3.8	3.8	175.36	181.7	-125.1	400.5	395.7	4.81	83.337		
1,300.0	1,267.1	1,150.5	1,122.7	4.6	4.3	172.22	185.7	-150.4	467.9	462.7	5.19	90.204		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05A-03 H04 596 - DD - Plan #1												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	Total Uncertainty Axis	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	15.70	144.7	40.7	150.3				
100.0	100.0	100.0	100.0	0.1	0.1	15.70	144.7	40.7	150.3	150.1	0.23	642.670	
200.0	200.0	200.0	200.0	0.3	0.3	15.70	144.7	40.7	150.3	149.7	0.58	257.838	CC, ES
300.0	300.0	295.5	295.4	0.5	0.5	16.43	145.5	42.9	151.8	150.9	0.93	163.963	
400.0	400.0	390.5	390.2	0.6	0.7	18.52	148.0	49.6	156.4	155.1	1.27	122.849	
500.0	500.0	484.6	483.5	0.8	0.9	-130.66	152.1	60.5	166.2	164.5	1.69	98.166	
600.0	599.6	577.2	574.8	1.0	1.3	-128.22	157.6	75.5	182.9	180.7	2.13	85.749	
700.0	698.8	672.0	667.4	1.3	1.6	-126.30	164.6	94.2	205.6	203.0	2.62	78.409	
800.0	797.1	768.5	761.6	1.6	2.0	-125.55	171.9	113.7	231.6	228.5	3.18	72.948	
900.0	894.3	864.1	855.0	2.0	2.4	-125.71	179.1	133.0	260.7	256.9	3.79	68.721	
1,000.0	990.2	958.6	947.3	2.5	2.8	-126.46	186.1	152.0	292.7	288.2	4.47	65.435	
1,100.0	1,084.4	1,051.6	1,038.1	3.2	3.2	-127.59	193.1	170.7	327.9	322.7	5.21	62.967	
1,200.0	1,176.8	1,142.9	1,127.3	3.8	3.6	-128.90	200.0	189.1	366.5	360.6	5.99	61.226	
1,300.0	1,267.1	1,232.3	1,214.6	4.6	3.9	-130.46	206.7	207.2	408.7	401.9	6.80	60.130	
1,400.0	1,356.6	1,320.9	1,301.2	5.4	4.3	-132.63	213.3	225.0	452.4	444.8	7.62	59.369	
1,500.0	1,446.1	1,409.6	1,387.8	6.2	4.7	-134.43	220.0	242.9	496.6	488.2	8.43	58.898	SF

Cathedral Energy Services

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Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05A-04 H04 596 - DD - Plan #1												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	Total Uncertainty	Separation		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor	
0.0	0.0	0.0	0.0	0.0	0.0	11.57	137.6	28.2	140.5				
100.0	100.0	100.0	100.0	0.1	0.1	11.57	137.6	28.2	140.5	140.2	0.23	600.579	
200.0	200.0	200.0	200.0	0.3	0.3	11.57	137.6	28.2	140.5	139.9	0.58	240.951	
300.0	300.0	300.0	300.0	0.5	0.5	11.57	137.6	28.2	140.5	139.5	0.93	150.707	
400.0	400.0	400.7	400.7	0.6	0.6	10.49	137.9	25.5	140.2	138.9	1.29	108.930	
412.2	412.2	412.9	412.9	0.7	0.7	-141.74	137.9	24.8	140.2	138.8	1.34	104.888	CC, ES
500.0	500.0	500.7	500.3	0.8	0.9	-145.24	138.6	17.7	141.9	140.2	1.68	84.556	
600.0	599.6	598.7	597.4	1.0	1.1	-151.75	139.8	5.0	149.0	146.9	2.12	70.290	
700.0	698.8	693.6	690.8	1.3	1.5	-159.67	141.4	-12.1	164.0	161.4	2.61	62.849	
800.0	797.1	784.4	779.2	1.6	1.9	-167.62	143.3	-32.7	188.4	185.3	3.11	60.651	SF
900.0	894.3	870.4	861.9	2.0	2.3	-174.67	145.5	-56.0	223.0	219.4	3.58	62.239	
1,000.0	990.2	950.9	938.4	2.5	2.8	179.49	147.9	-81.2	267.2	263.2	4.03	66.346	
1,100.0	1,084.4	1,025.6	1,008.2	3.2	3.3	174.75	150.3	-107.4	320.2	315.7	4.45	72.014	
1,200.0	1,176.8	1,100.0	1,076.8	3.8	3.8	170.62	153.0	-136.2	380.8	375.9	4.87	78.142	
1,300.0	1,267.1	1,156.7	1,128.3	4.6	4.3	167.77	155.2	-160.0	447.9	442.6	5.28	84.866	

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Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05B-03 H04 596 - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	15.59	134.6	37.5	139.7					
100.0	100.0	100.0	100.0	0.1	0.1	15.59	134.6	37.5	139.7	139.5	0.23	597.401		
200.0	200.0	200.0	200.0	0.3	0.3	15.59	134.6	37.5	139.7	139.1	0.58	239.676		
300.0	300.0	300.0	300.0	0.5	0.5	15.59	134.6	37.5	139.7	138.8	0.93	149.910 CC, ES		
400.0	400.0	396.7	396.7	0.6	0.6	16.48	135.0	40.0	140.9	139.6	1.28	110.274		
500.0	500.0	493.0	492.7	0.8	0.8	-133.49	136.4	47.1	146.3	144.7	1.65	88.559		
600.0	599.6	588.4	587.3	1.0	1.1	-131.39	138.7	58.9	158.0	155.9	2.07	76.193		
700.0	698.8	682.3	679.7	1.3	1.4	-129.37	141.9	75.0	175.8	173.2	2.56	68.551		
800.0	797.1	779.3	774.7	1.6	1.8	-127.99	145.6	94.3	198.4	195.3	3.13	63.413		
900.0	894.3	875.9	869.3	2.0	2.1	-127.78	149.4	113.5	224.2	220.4	3.76	59.658		
1,000.0	990.2	971.4	962.9	2.5	2.5	-128.38	153.1	132.5	253.1	248.7	4.45	56.911		
1,100.0	1,084.4	1,065.7	1,055.2	3.2	2.9	-129.47	156.7	151.3	285.3	280.1	5.19	54.994		
1,200.0	1,176.8	1,158.4	1,146.0	3.8	3.2	-130.83	160.3	169.7	321.0	315.1	5.97	53.787		
1,300.0	1,267.1	1,249.4	1,235.1	4.6	3.6	-132.47	163.8	187.8	360.3	353.6	6.77	53.209		
1,400.0	1,356.6	1,339.7	1,323.5	5.4	3.9	-134.62	167.3	205.8	401.2	393.7	7.58	52.947		
1,500.0	1,446.1	1,430.0	1,411.9	6.2	4.3	-136.38	170.8	223.8	442.5	434.2	8.37	52.855 SF		
1,600.0	1,535.6	1,520.3	1,500.3	7.0	4.7	-137.84	174.3	241.7	484.1	475.0	9.16	52.867		

Cathedral Energy Services

Anticollision Report

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Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05C-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	15.54	115.4	32.1	119.7					
100.0	100.0	100.0	100.0	0.1	0.1	15.54	115.4	32.1	119.7	119.5	0.23	511.932		
200.0	200.0	200.0	200.0	0.3	0.3	15.54	115.4	32.1	119.7	119.1	0.58	205.386		
300.0	300.0	300.0	300.0	0.5	0.5	15.54	115.4	32.1	119.7	118.8	0.93	128.463 CC, ES		
400.0	400.0	398.2	398.1	0.6	0.6	16.69	115.4	34.6	120.5	119.2	1.28	94.049		
500.0	500.0	495.9	495.6	0.8	0.9	-132.68	115.5	42.1	124.8	123.1	1.66	75.013		
600.0	599.6	592.8	591.7	1.0	1.1	-129.87	115.7	54.5	134.6	132.5	2.10	64.059		
700.0	698.8	688.6	685.9	1.3	1.4	-127.13	115.9	71.5	150.0	147.4	2.63	57.141		
800.0	797.1	786.2	781.4	1.6	1.8	-125.24	116.3	91.6	169.9	166.7	3.22	52.693		
900.0	894.3	883.5	876.6	2.0	2.2	-124.86	116.6	111.7	192.8	188.9	3.89	49.506		
1,000.0	990.2	980.0	971.0	2.5	2.6	-125.52	116.9	131.6	218.6	214.0	4.63	47.229		
1,100.0	1,084.4	1,075.4	1,064.4	3.2	2.9	-126.83	117.2	151.3	247.6	242.1	5.42	45.703		
1,200.0	1,176.8	1,169.4	1,156.3	3.8	3.3	-128.50	117.4	170.7	279.9	273.6	6.24	44.828		
1,300.0	1,267.1	1,261.8	1,246.7	4.6	3.7	-130.47	117.7	189.8	315.7	308.6	7.09	44.543 SF		
1,400.0	1,356.6	1,353.5	1,336.5	5.4	4.0	-132.86	118.0	208.8	353.2	345.3	7.93	44.554		
1,500.0	1,446.1	1,445.3	1,426.3	6.2	4.4	-134.80	118.3	227.7	391.2	382.4	8.75	44.685		
1,600.0	1,535.6	1,537.1	1,516.1	7.0	4.8	-136.39	118.6	246.7	429.4	419.9	9.57	44.880		
1,700.0	1,625.1	1,628.9	1,605.9	7.8	5.2	-137.73	118.9	265.7	467.9	457.5	10.37	45.108		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05D-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	15.47	96.1	26.6	99.7					
100.0	100.0	100.0	100.0	0.1	0.1	15.47	96.1	26.6	99.7	99.5	0.23	426.464		
200.0	200.0	200.0	200.0	0.3	0.3	15.47	96.1	26.6	99.7	99.2	0.58	171.097		
300.0	300.0	300.0	300.0	0.5	0.5	15.47	96.1	26.6	99.7	98.8	0.93	107.016		
400.0	400.0	400.0	400.0	0.6	0.6	16.97	95.2	29.1	99.6	98.3	1.29	77.398		
401.1	401.1	401.4	401.3	0.6	0.6	-134.92	95.2	29.1	99.6	98.3	1.29	77.036 CC, ES		
500.0	500.0	498.9	498.6	0.8	0.9	-131.62	93.2	36.5	101.8	100.2	1.67	60.828		
600.0	599.6	596.9	595.7	1.0	1.1	-127.92	90.8	48.8	109.3	107.1	2.13	51.381		
700.0	698.8	693.8	691.1	1.3	1.5	-124.36	87.9	65.9	121.9	119.2	2.68	45.472		
800.0	797.1	791.9	787.0	1.6	1.8	-121.90	84.7	86.2	138.9	135.6	3.31	41.941		
900.0	894.3	889.9	882.8	2.0	2.2	-121.44	81.5	106.6	158.7	154.7	4.02	39.483		
1,000.0	990.2	987.3	978.0	2.5	2.6	-122.33	78.3	126.8	181.3	176.5	4.80	37.793		
1,100.0	1,084.4	1,083.6	1,072.2	3.2	3.0	-124.06	75.2	146.8	206.7	201.1	5.63	36.753		
1,200.0	1,176.8	1,178.8	1,165.2	3.8	3.4	-126.25	72.1	166.5	235.5	229.0	6.49	36.295 SF		
1,300.0	1,267.1	1,272.5	1,256.8	4.6	3.8	-128.76	69.0	186.0	267.7	260.4	7.36	36.380		
1,400.0	1,356.6	1,365.6	1,347.9	5.4	4.1	-131.52	66.0	205.3	301.7	293.5	8.21	36.734		
1,500.0	1,446.1	1,458.8	1,438.9	6.2	4.5	-133.73	62.9	224.7	336.2	327.2	9.05	37.150		
1,600.0	1,535.6	1,551.9	1,530.0	7.0	4.9	-135.53	59.9	244.0	371.1	361.2	9.87	37.582		
1,700.0	1,625.1	1,645.0	1,621.1	7.8	5.3	-137.03	56.8	263.4	406.2	395.5	10.69	38.011		
1,800.0	1,714.6	1,738.2	1,712.1	8.6	5.7	-138.28	53.8	282.7	441.5	430.0	11.49	38.424		
1,900.0	1,804.1	1,831.3	1,803.2	9.4	6.0	-139.35	50.8	302.1	477.0	464.7	12.29	38.816		

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Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05E-03 H04 596 - DD - Plan #1												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)	Total Uncertainty Axis	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	15.57	87.0	24.2	90.3				
100.0	100.0	100.0	100.0	0.1	0.1	15.57	87.0	24.2	90.3	90.1	0.23	386.262	
200.0	200.0	200.0	200.0	0.3	0.3	15.57	87.0	24.2	90.3	89.8	0.58	154.968	
300.0	300.0	300.5	300.4	0.5	0.5	16.64	86.3	25.8	90.1	89.2	0.94	96.272	
400.0	400.0	400.6	400.4	0.6	0.7	20.99	83.6	32.1	89.6	88.3	1.31	68.193	
409.5	409.5	410.1	409.8	0.7	0.7	-130.37	83.3	32.9	89.6	88.2	1.36	65.734	CC, ES
500.0	500.0	500.0	499.0	0.8	0.9	-124.62	78.9	43.0	91.3	89.6	1.76	51.790	
600.0	599.6	598.7	596.2	1.0	1.3	-118.21	72.1	58.6	97.5	95.2	2.30	42.499	
700.0	698.8	697.1	692.3	1.3	1.7	-112.70	63.7	78.2	108.0	105.1	2.91	37.100	
800.0	797.1	796.2	788.8	1.6	2.1	-110.03	54.9	98.5	121.2	117.6	3.61	33.602	
900.0	894.3	895.0	885.1	2.0	2.5	-109.87	46.1	118.8	136.3	131.9	4.39	31.026	
1,000.0	990.2	993.4	981.1	2.5	2.9	-111.46	37.3	139.1	153.2	147.9	5.26	29.115	
1,100.0	1,084.4	1,091.1	1,076.3	3.2	3.3	-114.19	28.6	159.2	172.4	166.2	6.20	27.822	
1,200.0	1,176.8	1,187.9	1,170.6	3.8	3.8	-117.58	20.0	179.1	194.3	187.2	7.16	27.129	
1,300.0	1,267.1	1,283.4	1,263.7	4.6	4.2	-121.35	11.5	198.7	219.6	211.5	8.13	27.027	SF
1,400.0	1,356.6	1,378.4	1,356.3	5.4	4.6	-125.14	3.0	218.2	246.9	237.8	9.04	27.295	
1,500.0	1,446.1	1,473.5	1,448.9	6.2	5.0	-128.17	-5.4	237.8	274.9	265.0	9.93	27.691	
1,600.0	1,535.6	1,568.5	1,541.5	7.0	5.4	-130.65	-13.9	257.3	303.6	292.8	10.79	28.144	
1,700.0	1,625.1	1,663.5	1,634.2	7.8	5.8	-132.71	-22.4	276.8	332.7	321.1	11.63	28.615	
1,800.0	1,714.6	1,758.6	1,726.8	8.6	6.2	-134.43	-30.8	296.4	362.1	349.7	12.45	29.083	
1,900.0	1,804.1	1,853.6	1,819.4	9.4	6.6	-135.90	-39.3	315.9	391.8	378.5	13.26	29.538	
2,000.0	1,893.6	1,948.7	1,912.0	10.2	7.1	-137.16	-47.8	335.5	421.7	407.6	14.07	29.973	
2,100.0	1,983.1	2,043.7	2,004.7	11.0	7.5	-138.26	-56.2	355.0	451.7	436.9	14.87	30.386	
2,200.0	2,072.6	2,138.8	2,097.3	11.8	7.9	-139.22	-64.7	374.5	481.9	466.3	15.66	30.776	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF06B-04 H04 596 - DD - Plan #1													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	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	10.85	118.4	22.7	120.5					
100.0	100.0	100.0	100.0	0.1	0.1	10.85	118.4	22.7	120.5	120.3	0.23	515.412		
200.0	200.0	200.0	200.0	0.3	0.3	10.85	118.4	22.7	120.5	120.0	0.58	206.782		
300.0	300.0	300.9	300.8	0.5	0.5	9.59	118.5	20.0	120.2	119.2	0.94	127.876		
400.0	400.0	401.2	400.8	0.6	0.7	5.82	118.8	12.1	119.4	118.1	1.33	90.078		
413.6	413.6	414.7	414.3	0.7	0.7	-146.83	118.8	10.6	119.3	117.9	1.40	85.035 CC, ES		
500.0	500.0	500.0	498.8	0.8	1.0	-152.85	119.2	-0.8	121.6	119.8	1.80	67.613		
600.0	599.6	596.6	593.8	1.0	1.3	-161.96	119.9	-18.3	131.3	129.0	2.31	56.832		
700.0	698.8	689.5	684.1	1.3	1.8	-171.43	120.6	-39.7	150.9	148.1	2.83	53.265 SF		
800.0	797.1	778.0	769.2	1.6	2.2	-179.77	121.5	-64.0	181.3	177.9	3.33	54.418		
900.0	894.3	861.4	848.2	2.0	2.8	173.52	122.5	-90.6	221.8	218.0	3.80	58.402		
1,000.0	990.2	939.3	920.9	2.5	3.3	168.29	123.5	-118.5	271.4	267.1	4.25	63.920		
1,100.0	1,084.4	1,011.3	987.1	3.2	3.9	164.17	124.5	-147.0	328.8	324.1	4.69	70.153		
1,200.0	1,176.8	1,077.4	1,046.9	3.8	4.4	160.81	125.6	-175.2	393.0	387.8	5.14	76.417		
1,300.0	1,267.1	1,137.7	1,100.4	4.6	5.0	158.12	126.6	-202.8	463.0	457.4	5.63	82.207		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2												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)	Total Uncertainty Axis	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	9.85	99.2	17.2	100.6				
100.0	100.0	100.0	100.0	0.1	0.1	9.85	99.2	17.2	100.6	100.4	0.23	430.285	
200.0	200.0	200.0	200.0	0.3	0.3	9.85	99.2	17.2	100.6	100.0	0.58	172.629	
300.0	300.0	302.9	302.9	0.5	0.5	8.51	98.0	14.7	99.2	98.2	0.94	105.510	
400.0	400.0	405.2	404.9	0.6	0.7	4.31	94.7	7.1	95.1	93.8	1.31	72.550	
500.0	500.0	506.3	505.0	0.8	1.0	-155.99	89.2	-5.2	91.9	90.1	1.80	50.982	
511.5	511.4	517.8	516.3	0.8	1.0	-157.24	88.4	-6.9	91.8	90.0	1.86	49.261	CC, ES
600.0	599.6	605.3	602.2	1.0	1.4	-168.33	81.8	-21.9	94.9	92.6	2.34	40.485	
700.0	698.8	702.1	697.0	1.3	1.7	179.66	73.7	-40.0	107.4	104.5	2.87	37.389	SF
800.0	797.1	798.1	791.0	1.6	2.1	170.67	65.7	-57.9	128.7	125.4	3.37	38.211	
900.0	894.3	892.9	883.8	2.0	2.5	164.62	57.8	-75.7	157.1	153.3	3.86	40.741	
1,000.0	990.2	986.3	975.3	2.5	2.9	160.76	50.1	-93.1	191.3	186.9	4.36	43.905	
1,100.0	1,084.4	1,078.1	1,065.1	3.2	3.2	158.35	42.4	-110.3	230.4	225.6	4.88	47.252	
1,200.0	1,176.8	1,168.0	1,153.0	3.8	3.6	156.87	35.0	-127.1	274.1	268.7	5.41	50.623	
1,300.0	1,267.1	1,255.7	1,238.9	4.6	3.9	156.07	27.7	-143.5	322.0	316.1	5.98	53.879	
1,400.0	1,356.6	1,342.7	1,324.0	5.4	4.3	156.00	20.4	-159.8	371.4	364.8	6.60	56.243	
1,500.0	1,446.1	1,429.6	1,409.2	6.2	4.6	155.96	13.2	-176.0	420.8	413.6	7.24	58.147	
1,600.0	1,535.6	1,516.6	1,494.3	7.0	5.0	155.92	6.0	-192.3	470.2	462.3	7.87	59.709	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07A-04 H04 596 - DD - Plan #1													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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	11.75	146.7	30.5	149.9					
100.0	100.0	100.0	100.0	0.1	0.1	11.75	146.7	30.5	149.9	149.6	0.23	640.759		
200.0	200.0	200.0	200.0	0.3	0.3	11.75	146.7	30.5	149.9	149.3	0.58	257.071		
300.0	300.0	300.0	300.0	0.5	0.5	11.75	146.7	30.5	149.9	148.9	0.93	160.790		
400.0	400.0	400.0	400.0	0.6	0.6	11.75	146.7	30.5	149.9	148.6	1.28	116.978	CC, ES	
500.0	500.0	495.6	495.6	0.8	0.8	-141.47	148.4	28.8	153.3	151.7	1.63	94.220		
600.0	599.6	594.4	594.1	1.0	1.0	-145.34	152.4	22.9	162.7	160.7	2.00	81.230		
700.0	698.8	690.8	689.8	1.3	1.3	-151.05	157.0	12.2	177.9	175.5	2.41	73.715		
800.0	797.1	783.7	781.3	1.6	1.5	-157.51	162.0	-2.6	200.7	197.8	2.85	70.436	SF	
900.0	894.3	875.1	870.9	2.0	1.9	-163.71	167.3	-20.1	231.6	228.3	3.26	71.118		
1,000.0	990.2	965.0	958.9	2.5	2.2	-168.69	172.6	-37.4	269.6	265.9	3.63	74.283		
1,100.0	1,084.4	1,052.5	1,044.7	3.2	2.5	-172.59	177.7	-54.3	313.8	309.8	3.97	79.103		
1,200.0	1,176.8	1,137.6	1,128.0	3.8	2.8	-175.63	182.7	-70.7	363.7	359.4	4.28	85.042		
1,300.0	1,267.1	1,219.9	1,208.6	4.6	3.2	-178.03	187.5	-86.6	418.6	414.0	4.57	91.512		
1,400.0	1,356.6	1,301.2	1,288.3	5.4	3.5	-179.96	192.3	-102.2	475.4	470.5	4.93	96.476		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07B-03 H04 596 - DD - Plan #1													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	Total Uncertainty Axis	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	15.67	125.5	35.2	130.3					
100.0	100.0	100.0	100.0	0.1	0.1	15.67	125.5	35.2	130.3	130.1	0.23	557.200		
200.0	200.0	200.0	200.0	0.3	0.3	15.67	125.5	35.2	130.3	129.7	0.58	223.548	CC, ES	
300.0	300.0	297.9	297.8	0.5	0.5	16.72	125.6	37.7	131.1	130.2	0.93	140.612		
400.0	400.0	395.3	394.9	0.6	0.7	19.75	125.8	45.2	133.8	132.5	1.30	103.214		
500.0	500.0	491.8	490.6	0.8	1.0	-128.12	126.2	57.4	140.6	138.8	1.75	80.368		
600.0	599.6	587.1	584.4	1.0	1.3	-124.28	126.8	74.3	153.4	151.2	2.24	68.457		
700.0	698.8	680.9	675.8	1.3	1.7	-120.95	127.5	95.4	172.1	169.3	2.82	61.129		
800.0	797.1	772.8	764.2	1.6	2.2	-118.21	128.4	120.4	196.3	192.8	3.49	56.256		
900.0	894.3	862.5	849.3	2.0	2.8	-116.01	129.3	148.9	225.6	221.3	4.27	52.806		
1,000.0	990.2	949.8	930.7	2.5	3.4	-114.22	130.4	180.4	259.8	254.6	5.17	50.264		
1,100.0	1,084.4	1,034.6	1,008.3	3.2	4.1	-112.74	131.6	214.6	298.5	292.3	6.17	48.353		
1,200.0	1,176.8	1,116.6	1,081.8	3.8	4.8	-111.44	132.8	250.8	341.4	334.2	7.28	46.906		
1,300.0	1,267.1	1,200.0	1,154.9	4.6	5.6	-110.51	134.2	290.9	388.4	379.9	8.51	45.635		
1,400.0	1,356.6	1,272.7	1,217.1	5.4	6.4	-110.57	135.5	328.4	438.0	428.2	9.79	44.759		
1,500.0	1,446.1	1,353.6	1,285.1	6.2	7.2	-110.32	137.0	372.5	489.4	478.2	11.12	43.990	SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07B-04 H04 596 - DD - Plan #2													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)	Total Uncertainty Axis	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	11.11	127.5	25.0	129.9					
100.0	100.0	100.0	100.0	0.1	0.1	11.11	127.5	25.0	129.9	129.7	0.23	555.548		
200.0	200.0	200.0	200.0	0.3	0.3	11.11	127.5	25.0	129.9	129.3	0.58	222.885		
300.0	300.0	300.0	300.0	0.5	0.5	11.11	127.5	25.0	129.9	129.0	0.93	139.407		
333.8	333.8	333.8	333.8	0.5	0.5	11.11	127.5	25.0	129.9	128.9	1.05	123.747 CC		
400.0	400.0	399.0	398.9	0.6	0.6	11.37	127.6	25.7	130.1	128.8	1.28	101.708 ES		
500.0	500.0	498.2	498.1	0.8	0.8	-139.63	128.2	29.5	133.5	131.9	1.63	81.776		
600.0	599.6	598.8	598.7	1.0	1.0	-141.65	129.1	29.6	140.6	138.6	1.99	70.693		
700.0	698.8	697.8	697.6	1.3	1.2	-146.50	130.4	24.5	151.8	149.4	2.36	64.428		
800.0	797.1	794.1	793.4	1.6	1.4	-153.01	132.0	14.6	169.0	166.2	2.74	61.659 SF		
900.0	894.3	886.7	884.9	2.0	1.6	-159.98	133.8	0.6	193.8	190.7	3.13	61.840		
1,000.0	990.2	977.0	973.5	2.5	1.9	-166.46	135.8	-16.4	227.1	223.6	3.51	64.764		
1,100.0	1,084.4	1,065.8	1,060.6	3.2	2.2	-171.56	137.8	-33.5	267.6	263.7	3.86	69.389		
1,200.0	1,176.8	1,152.3	1,145.5	3.8	2.5	-175.46	139.7	-50.0	314.2	310.1	4.18	75.133		
1,300.0	1,267.1	1,236.1	1,227.8	4.6	2.8	-178.46	141.6	-66.1	366.3	361.8	4.50	81.362		
1,400.0	1,356.6	1,319.1	1,309.1	5.4	3.1	179.22	143.4	-81.9	420.5	415.6	4.88	86.141		
1,500.0	1,446.1	1,402.0	1,390.5	6.2	3.4	177.41	145.2	-97.8	475.1	469.8	5.27	90.072		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07C-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		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)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	15.63	106.2	29.7	110.3					
100.0	100.0	100.0	100.0	0.1	0.1	15.63	106.2	29.7	110.3	110.1	0.23	471.731		
200.0	200.0	200.0	200.0	0.3	0.3	15.63	106.2	29.7	110.3	109.7	0.58	189.258 CC, ES		
300.0	300.0	298.5	298.5	0.5	0.5	16.90	106.2	32.3	111.0	110.0	0.93	118.813		
400.0	400.0	396.5	396.2	0.6	0.7	20.60	106.0	39.8	113.3	112.0	1.30	87.067		
500.0	500.0	493.7	492.5	0.8	1.0	-126.45	105.6	52.2	119.6	117.9	1.76	68.035		
600.0	599.6	589.7	587.0	1.0	1.3	-121.92	105.2	69.3	131.9	129.6	2.26	58.442		
700.0	698.8	684.2	679.0	1.3	1.7	-118.13	104.6	90.7	149.8	147.0	2.84	52.752		
800.0	797.1	776.9	768.2	1.6	2.2	-115.14	103.9	116.2	173.1	169.6	3.53	49.065		
900.0	894.3	867.6	854.1	2.0	2.8	-112.83	103.1	145.2	201.3	197.0	4.33	46.483		
1,000.0	990.2	956.1	936.5	2.5	3.4	-111.05	102.3	177.4	234.1	228.9	5.25	44.579		
1,100.0	1,084.4	1,042.2	1,015.1	3.2	4.1	-109.62	101.3	212.3	271.3	265.0	6.29	43.139		
1,200.0	1,176.8	1,125.6	1,089.8	3.8	4.9	-108.41	100.3	249.6	312.5	305.0	7.43	42.038		
1,300.0	1,267.1	1,206.5	1,160.5	4.6	5.7	-107.58	99.3	288.7	357.5	348.8	8.68	41.191		
1,400.0	1,356.6	1,285.1	1,227.6	5.4	6.5	-107.67	98.2	329.6	405.2	395.2	10.02	40.425		
1,500.0	1,446.1	1,369.1	1,298.0	6.2	7.4	-107.44	96.9	375.6	454.5	443.1	11.41	39.829 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF07C-04 H04 596 - DD - Plan #1		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		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor					
							+N/-S (ft)	+E/-W (ft)									
0.0	0.0	0.0	0.0	0.0	0.0	10.24	108.3	19.6	110.0								
100.0	100.0	100.0	100.0	0.1	0.1	10.24	108.3	19.6	110.0	109.8	0.23	470.412					
200.0	200.0	200.0	200.0	0.3	0.3	10.24	108.3	19.6	110.0	109.4	0.58	188.728					
300.0	300.0	300.0	300.0	0.5	0.5	10.24	108.3	19.6	110.0	109.1	0.93	118.044					
400.0	400.0	401.4	401.4	0.6	0.7	8.88	108.0	16.9	109.4	108.1	1.29	84.945					
436.0	436.0	437.8	437.7	0.7	0.7	-144.33	107.9	14.6	109.1	107.7	1.43	76.292 CC, ES					
500.0	500.0	502.1	501.7	0.8	0.9	-147.92	107.4	8.9	110.0	108.3	1.68	65.462					
600.0	599.6	600.9	599.7	1.0	1.1	-156.25	106.4	-4.0	115.9	113.8	2.13	54.551					
700.0	698.8	697.5	694.7	1.3	1.4	-166.01	105.0	-21.0	129.8	127.2	2.59	50.047 SF					
800.0	797.1	792.8	788.4	1.6	1.8	-174.21	103.6	-38.4	152.2	149.1	3.04	50.122					
900.0	894.3	886.6	880.7	2.0	2.1	179.67	102.2	-55.6	181.9	178.5	3.45	52.737					
1,000.0	990.2	978.8	971.3	2.5	2.4	175.28	100.8	-72.5	218.0	214.1	3.85	56.679					
1,100.0	1,084.4	1,069.0	1,059.9	3.2	2.8	172.17	99.5	-89.0	259.6	255.4	4.24	61.292					
1,200.0	1,176.8	1,157.0	1,146.5	3.8	3.1	169.96	98.2	-105.1	306.3	301.6	4.62	66.234					
1,300.0	1,267.1	1,242.6	1,230.6	4.6	3.4	168.41	96.9	-120.8	357.5	352.5	5.03	71.135					
1,400.0	1,356.6	1,327.4	1,313.9	5.4	3.7	167.52	95.6	-136.3	410.4	404.9	5.50	74.599					
1,500.0	1,446.1	1,412.1	1,397.2	6.2	4.0	166.84	94.4	-151.8	463.4	457.4	5.99	77.391					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07E-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	9.48	89.0	14.9	90.3					
100.0	100.0	100.0	100.0	0.1	0.1	9.48	89.0	14.9	90.3	90.0	0.23	385.969		
200.0	200.0	200.0	200.0	0.3	0.3	9.48	89.0	14.9	90.3	89.7	0.58	154.850		
300.0	300.0	300.0	300.0	0.5	0.5	9.48	89.0	14.9	90.3	89.3	0.93	96.854		
400.0	400.0	400.0	400.0	0.6	0.6	9.48	89.0	14.9	90.3	89.0	1.28	70.463 CC, ES		
500.0	500.0	496.4	496.3	0.8	0.8	-142.36	90.6	16.7	94.3	92.6	1.63	57.939		
600.0	599.6	593.8	593.5	1.0	1.0	-141.99	94.9	22.5	105.8	103.8	1.99	53.121		
700.0	698.8	692.8	691.9	1.3	1.2	-140.80	98.8	33.1	121.7	119.3	2.41	50.417		
800.0	797.1	791.1	788.8	1.6	1.5	-139.02	101.4	48.6	141.5	138.5	2.93	48.352		
900.0	894.3	888.3	883.9	2.0	1.9	-136.95	102.8	68.6	165.0	161.4	3.55	46.417		
1,000.0	990.2	984.2	976.7	2.5	2.3	-134.80	103.0	93.0	192.3	188.0	4.32	44.512		
1,100.0	1,084.4	1,078.8	1,066.9	3.2	2.9	-132.66	102.1	121.4	223.5	218.2	5.23	42.692		
1,200.0	1,176.8	1,171.7	1,154.0	3.8	3.5	-130.58	100.1	153.5	258.3	252.0	6.29	41.027		
1,300.0	1,267.1	1,262.9	1,238.0	4.6	4.1	-128.74	97.1	188.9	296.6	289.1	7.50	39.569		
1,400.0	1,356.6	1,352.8	1,319.1	5.4	4.9	-127.40	93.2	227.7	336.5	327.6	8.82	38.162		
1,500.0	1,446.1	1,441.7	1,397.3	6.2	5.7	-125.68	88.3	269.5	377.0	366.8	10.23	36.847		
1,600.0	1,535.6	1,528.9	1,472.1	7.0	6.6	-123.70	82.6	314.0	418.5	406.8	11.73	35.671		
1,700.0	1,625.1	1,614.3	1,543.3	7.8	7.5	-121.58	76.1	360.7	461.2	447.9	13.28	34.716 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF10A-03 H04 596 - DD - Plan #1		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)	Total Uncertainty Axis	Separation Factor					
0.0	0.0	0.0	0.0	0.0	0.0	15.48	67.8	18.8	70.3								
100.0	100.0	100.0	100.0	0.1	0.1	15.48	67.8	18.8	70.3	70.1	0.23	300.758					
200.0	200.0	200.0	200.0	0.3	0.3	15.48	67.8	18.8	70.3	69.8	0.58	120.663 CC					
300.0	300.0	299.6	299.6	0.5	0.5	17.58	67.3	21.3	70.6	69.6	0.94	75.301 ES					
400.0	400.0	398.7	398.4	0.6	0.7	23.72	65.8	28.9	71.9	70.6	1.31	54.814					
500.0	500.0	497.0	495.8	0.8	1.0	-120.31	63.4	41.4	77.1	75.3	1.77	43.441					
600.0	599.6	594.2	591.4	1.0	1.3	-113.53	60.0	58.6	87.9	85.7	2.28	38.526					
700.0	698.8	690.2	684.8	1.3	1.8	-108.46	55.7	80.2	104.0	101.1	2.88	36.108					
800.0	797.1	784.7	775.6	1.6	2.3	-104.97	50.7	105.9	124.8	121.2	3.59	34.734					
900.0	894.3	877.6	863.5	2.0	2.9	-102.64	44.9	135.5	149.7	145.3	4.43	33.790					
1,000.0	990.2	968.6	948.1	2.5	3.5	-101.10	38.4	168.5	178.6	173.2	5.40	33.047					
1,100.0	1,084.4	1,057.7	1,029.2	3.2	4.3	-100.03	31.3	204.6	211.1	204.6	6.51	32.428					
1,200.0	1,176.8	1,144.7	1,106.7	3.8	5.0	-99.25	23.7	243.4	247.2	239.4	7.75	31.908					
1,300.0	1,267.1	1,229.6	1,180.5	4.6	5.9	-98.82	15.6	284.6	286.5	277.4	9.10	31.480					
1,400.0	1,356.6	1,312.5	1,250.7	5.4	6.8	-99.03	7.2	327.9	328.4	317.9	10.53	31.185					
1,500.0	1,446.1	1,400.2	1,323.4	6.2	7.7	-98.81	-2.3	375.9	372.0	360.0	12.01	30.978					
1,600.0	1,535.6	1,490.1	1,397.9	7.0	8.7	-98.62	-12.0	425.3	415.8	402.2	13.52	30.762					
1,700.0	1,625.1	1,580.0	1,472.4	7.8	9.7	-98.46	-21.7	474.8	459.5	444.5	15.03	30.576 SF					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF10A-04 H04 596 - DD - Plan #1		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)	Total Uncertainty Axis	Separation Factor					
0.0	0.0	0.0	0.0	0.0	0.0	8.35	79.9	11.7	80.8								
100.0	100.0	100.0	100.0	0.1	0.1	8.35	79.9	11.7	80.8	80.6	0.23	345.427					
200.0	200.0	200.0	200.0	0.3	0.3	8.35	79.9	11.7	80.8	80.2	0.58	138.585					
300.0	300.0	302.8	302.8	0.5	0.5	6.86	78.4	9.4	79.0	78.1	0.94	84.191					
400.0	400.0	405.0	404.6	0.6	0.7	1.99	73.9	2.6	74.0	72.7	1.30	56.828					
500.0	500.0	506.1	504.8	0.8	1.0	-160.17	66.4	-8.7	69.6	67.8	1.79	38.892					
527.8	527.7	533.8	532.1	0.9	1.1	-164.10	63.9	-12.5	69.3	67.4	1.94	35.701	CC, ES				
600.0	599.6	605.3	602.2	1.0	1.4	-175.73	56.3	-24.0	71.6	69.3	2.34	30.583					
700.0	698.8	702.4	697.1	1.3	1.8	169.13	44.7	-41.5	83.9	81.0	2.90	28.983	SF				
800.0	797.1	798.8	791.1	1.6	2.1	159.12	33.1	-58.9	105.3	101.9	3.43	30.726					
900.0	894.3	894.2	884.3	2.0	2.5	153.34	21.7	-76.1	133.2	129.3	3.98	33.502					
1,000.0	990.2	988.3	976.2	2.5	2.9	150.24	10.5	-93.1	166.2	161.6	4.56	36.445					
1,100.0	1,084.4	1,081.0	1,066.7	3.2	3.3	148.69	-0.6	-109.8	203.6	198.4	5.18	39.321					
1,200.0	1,176.8	1,172.0	1,155.5	3.8	3.7	148.04	-11.5	-126.2	245.0	239.2	5.82	42.109					
1,300.0	1,267.1	1,261.0	1,242.5	4.6	4.1	148.01	-22.1	-142.3	290.5	284.0	6.48	44.795					
1,400.0	1,356.6	1,349.3	1,328.7	5.4	4.4	148.66	-32.7	-158.2	337.3	330.1	7.20	46.871					
1,500.0	1,446.1	1,437.6	1,414.9	6.2	4.8	149.15	-43.3	-174.2	384.2	376.3	7.91	48.563					
1,600.0	1,535.6	1,525.9	1,501.1	7.0	5.2	149.53	-53.8	-190.1	431.1	422.5	8.63	49.967					
1,700.0	1,625.1	1,614.2	1,587.3	7.8	5.5	149.84	-64.4	-206.1	478.0	468.6	9.34	51.152					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10B-03 H04 596 - DD - Plan #1													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	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)		(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	7.66	69.8	9.4	70.4					
100.0	100.0	100.0	100.0	0.1	0.1	7.66	69.8	9.4	70.4	70.2	0.23	301.187		
200.0	200.0	200.0	200.0	0.3	0.3	7.66	69.8	9.4	70.4	69.9	0.58	120.836		
300.0	300.0	300.0	300.0	0.5	0.5	7.66	69.8	9.4	70.4	69.5	0.93	75.579		
400.0	400.0	400.0	400.0	0.6	0.6	7.66	69.8	9.4	70.4	69.2	1.28	54.985	CC, ES	
500.0	500.0	500.0	500.0	0.8	0.8	-145.44	69.8	9.4	72.6	71.0	1.63	44.508		
600.0	599.6	599.6	599.6	1.0	1.0	-148.56	69.8	9.4	79.2	77.2	1.98	39.898		
700.0	698.8	700.0	699.9	1.3	1.2	-151.15	69.2	11.9	89.9	87.6	2.35	38.269		
800.0	797.1	800.2	799.9	1.6	1.4	-151.62	67.2	19.5	104.0	101.3	2.75	37.835		
900.0	894.3	900.2	898.9	2.0	1.6	-150.64	63.9	32.2	121.4	118.2	3.22	37.682		
1,000.0	990.2	999.5	996.6	2.5	1.9	-148.80	59.3	49.7	142.0	138.2	3.81	37.316		
1,100.0	1,084.4	1,098.1	1,092.4	3.2	2.3	-146.49	53.5	71.9	166.1	161.5	4.54	36.584		
1,200.0	1,176.8	1,195.6	1,186.0	3.8	2.8	-143.99	46.5	98.5	193.6	188.1	5.44	35.566		
1,300.0	1,267.1	1,291.9	1,276.9	4.6	3.4	-141.55	38.5	129.3	224.5	218.0	6.52	34.435		
1,400.0	1,356.6	1,387.4	1,365.3	5.4	4.0	-139.23	29.4	164.2	256.5	248.8	7.77	32.997		
1,500.0	1,446.1	1,482.1	1,451.1	6.2	4.8	-136.46	19.2	203.0	288.6	279.4	9.19	31.388		
1,600.0	1,535.6	1,575.6	1,533.7	7.0	5.6	-133.41	8.2	245.3	321.2	310.4	10.76	29.843		
1,700.0	1,625.1	1,667.4	1,612.7	7.8	6.6	-130.20	-3.6	290.5	354.7	342.3	12.45	28.491		
1,800.0	1,714.6	1,757.1	1,687.6	8.6	7.5	-126.93	-16.1	338.3	389.6	375.4	14.23	27.386		
1,900.0	1,804.1	1,845.1	1,758.8	9.4	8.6	-123.66	-29.2	388.3	426.2	410.2	16.04	26.575		
2,000.0	1,893.6	1,934.9	1,830.7	10.2	9.6	-120.66	-42.8	440.4	464.3	446.4	17.87	25.989	SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10C-03 H04 596 - DD - Plan #1													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	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	15.90	57.7	16.4	60.0					
100.0	100.0	100.0	100.0	0.1	0.1	15.90	57.7	16.4	60.0	59.7	0.23	256.392		
136.3	136.3	136.3	136.3	0.2	0.2	15.90	57.7	16.4	60.0	59.6	0.36	166.240	CC	
200.0	200.0	199.8	199.8	0.3	0.3	16.52	57.6	17.1	60.0	59.5	0.58	102.931	ES	
300.0	300.0	299.2	299.1	0.5	0.5	21.36	56.7	22.2	60.8	59.9	0.95	64.275		
400.0	400.0	397.8	397.1	0.6	0.7	30.43	54.9	32.2	63.7	62.4	1.33	48.034		
500.0	500.0	495.4	493.5	0.8	1.1	-111.60	52.3	47.1	71.6	69.8	1.82	39.343		
600.0	599.6	592.4	588.5	1.0	1.5	-104.10	48.2	66.5	85.0	82.6	2.33	36.479		
700.0	698.8	688.3	681.2	1.3	1.9	-98.97	42.5	90.1	102.7	99.8	2.93	35.121		
800.0	797.1	782.7	771.3	1.6	2.5	-95.62	35.3	117.5	124.3	120.6	3.64	34.166		
900.0	894.3	875.8	858.5	2.0	3.1	-93.47	26.5	148.5	149.1	144.6	4.48	33.263		
1,000.0	990.2	967.2	942.7	2.5	3.8	-92.10	16.4	182.9	177.0	171.5	5.47	32.354		
1,100.0	1,084.4	1,057.1	1,023.6	3.2	4.6	-91.19	5.0	220.2	207.7	201.1	6.60	31.465		
1,200.0	1,176.8	1,145.3	1,101.2	3.8	5.5	-90.56	-7.5	260.3	241.1	233.3	7.87	30.628		
1,300.0	1,267.1	1,231.8	1,175.4	4.6	6.3	-90.27	-21.1	302.7	277.1	267.8	9.28	29.867		
1,400.0	1,356.6	1,316.7	1,246.1	5.4	7.3	-90.49	-35.6	347.4	315.5	304.7	10.76	29.327		
1,500.0	1,446.1	1,408.3	1,321.2	6.2	8.3	-90.36	-52.0	397.2	355.1	342.8	12.29	28.884		
1,600.0	1,535.6	1,500.2	1,396.5	7.0	9.4	-90.26	-68.4	447.2	394.7	380.8	13.84	28.518		
1,700.0	1,625.1	1,592.0	1,471.8	7.8	10.4	-90.18	-84.8	497.1	434.3	418.9	15.39	28.214		
1,800.0	1,714.6	1,683.8	1,547.0	8.6	11.5	-90.11	-101.2	547.1	473.9	456.9	16.95	27.958	SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10C-04 H04 596 - DD - Plan #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)	Total Uncertainty Axis	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	1.08	41.5	0.8	41.5					
100.0	100.0	100.0	100.0	0.1	0.1	1.08	41.5	0.8	41.5	41.3	0.23	177.394		
200.0	200.0	200.0	200.0	0.3	0.3	1.08	41.5	0.8	41.5	40.9	0.58	71.170		
300.0	300.0	300.3	300.3	0.5	0.5	0.67	41.3	0.5	41.3	40.4	0.93	44.276		
400.0	400.0	400.9	400.8	0.6	0.6	-2.71	39.7	-1.9	39.8	38.5	1.28	30.993		
452.2	452.2	453.3	453.2	0.7	0.7	-158.37	38.3	-4.1	39.2	37.7	1.48	26.531	CC, ES	
500.0	500.0	501.2	501.0	0.8	0.8	-163.29	36.7	-6.6	39.8	38.1	1.65	24.050		
600.0	599.6	600.9	600.3	1.0	1.1	-176.07	32.1	-13.6	45.3	43.3	2.04	22.186	SF	
700.0	698.8	699.6	698.4	1.3	1.3	172.08	26.1	-22.9	57.9	55.4	2.46	23.559		
800.0	797.1	796.9	794.8	1.6	1.6	163.56	18.8	-34.2	77.4	74.5	2.90	26.658		
900.0	894.3	892.6	889.1	2.0	1.9	158.00	10.2	-47.4	103.4	100.0	3.40	30.395		
1,000.0	990.2	986.2	981.0	2.5	2.2	154.35	0.4	-62.5	135.2	131.3	3.96	34.176		
1,100.0	1,084.4	1,077.4	1,070.1	3.2	2.6	151.86	-10.4	-79.0	172.5	168.0	4.57	37.733		
1,200.0	1,176.8	1,166.1	1,156.1	3.8	3.0	150.04	-22.0	-97.0	215.0	209.8	5.25	40.974		
1,300.0	1,267.1	1,251.9	1,238.9	4.6	3.4	148.76	-34.4	-116.0	262.4	256.4	5.98	43.861		
1,400.0	1,356.6	1,336.1	1,319.5	5.4	3.9	148.14	-47.5	-136.3	311.9	305.1	6.79	45.934		
1,500.0	1,446.1	1,419.2	1,398.6	6.2	4.4	147.36	-61.6	-157.9	362.3	354.6	7.64	47.400		
1,600.0	1,535.6	1,501.6	1,476.3	7.0	4.9	146.50	-76.4	-180.8	413.5	405.0	8.54	48.433		
1,700.0	1,625.1	1,612.9	1,581.0	7.8	5.6	145.32	-99.7	-210.5	462.8	453.2	9.65	47.979		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10E-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance					Separation Factor	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)	Total Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-2.86	31.4	-1.6	31.4					
100.0	100.0	100.0	100.0	0.1	0.1	-2.86	31.4	-1.6	31.4	31.2	0.23	134.266		
200.0	200.0	200.0	200.0	0.3	0.3	-2.86	31.4	-1.6	31.4	30.8	0.58	53.867		
300.0	300.0	300.0	300.0	0.5	0.5	-2.86	31.4	-1.6	31.4	30.5	0.93	33.692		
400.0	400.0	400.9	400.9	0.6	0.6	-6.87	29.6	-3.6	29.8	28.5	1.28	23.225		
474.4	474.4	475.7	475.5	0.8	0.8	-168.87	26.0	-7.6	28.6	27.0	1.57	18.166 CC, ES		
500.0	500.0	501.3	501.0	0.8	0.9	-173.90	24.4	-9.5	28.8	27.1	1.67	17.199		
600.0	599.6	600.6	599.4	1.0	1.1	163.88	15.7	-19.3	34.8	32.7	2.12	16.411 SF		
700.0	698.8	698.2	695.3	1.3	1.5	146.97	4.0	-32.6	50.3	47.7	2.63	19.142		
800.0	797.1	793.5	788.0	1.6	1.9	137.33	-10.6	-49.1	74.2	70.9	3.22	23.064		
900.0	894.3	886.1	877.0	2.0	2.4	131.91	-27.7	-68.5	104.9	101.0	3.90	26.912		
1,000.0	990.2	976.1	962.1	2.5	2.9	128.59	-46.9	-90.4	141.8	137.1	4.67	30.355		
1,100.0	1,084.4	1,067.3	1,047.8	3.2	3.5	127.00	-67.6	-113.8	182.8	177.2	5.53	33.049		
1,200.0	1,176.8	1,157.1	1,132.2	3.8	4.0	126.66	-87.9	-136.8	226.6	220.2	6.45	35.129		
1,300.0	1,267.1	1,245.3	1,215.1	4.6	4.6	127.14	-107.8	-159.5	273.3	265.9	7.42	36.824		
1,400.0	1,356.6	1,344.9	1,308.7	5.4	5.2	128.54	-131.4	-183.8	319.8	311.3	8.52	37.558		
1,500.0	1,446.1	1,453.2	1,410.6	6.2	5.8	129.23	-160.7	-205.8	362.1	352.4	9.70	37.324		
1,600.0	1,535.6	1,548.4	1,500.0	7.0	6.4	129.48	-188.7	-222.4	401.2	390.4	10.84	37.010		
1,700.0	1,625.1	1,640.4	1,586.5	7.8	7.0	129.67	-215.8	-238.5	440.3	428.3	11.97	36.790		
1,800.0	1,714.6	1,732.5	1,673.0	8.6	7.5	129.84	-242.9	-254.5	479.4	466.3	13.10	36.600		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF12A-03 H04 596 - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	15.36	76.9	21.1	79.7					
100.0	100.0	100.0	100.0	0.1	0.1	15.36	76.9	21.1	79.7	79.5	0.23	340.962		
200.0	200.0	200.0	200.0	0.3	0.3	15.36	76.9	21.1	79.7	79.2	0.58	136.793		
300.0	300.0	300.0	300.0	0.5	0.5	15.36	76.9	21.1	79.7	78.8	0.93	85.560		
400.0	400.0	400.0	400.0	0.6	0.6	15.36	76.9	21.1	79.7	78.5	1.28	62.246 CC, ES		
500.0	500.0	500.0	500.0	0.8	0.8	-137.80	76.9	21.1	81.7	80.0	1.63	50.051		
600.0	599.6	601.2	601.2	1.0	1.0	-139.55	75.5	23.4	86.7	84.7	2.00	43.402		
700.0	698.8	702.6	702.3	1.3	1.2	-140.03	71.2	30.2	94.0	91.6	2.41	39.054		
800.0	797.1	804.0	802.7	1.6	1.5	-139.48	64.0	41.6	103.4	100.5	2.89	35.712		
900.0	894.3	905.3	902.2	2.0	1.8	-138.15	54.1	57.4	114.9	111.4	3.50	32.805		
1,000.0	990.2	1,005.7	999.9	2.5	2.2	-136.40	41.5	77.3	128.8	124.5	4.25	30.290		
1,100.0	1,084.4	1,104.2	1,095.3	3.2	2.6	-135.81	28.5	98.0	146.0	140.9	5.06	28.827		
1,200.0	1,176.8	1,201.9	1,190.0	3.8	3.0	-136.47	15.6	118.5	166.9	161.0	5.90	28.278 SF		
1,300.0	1,267.1	1,298.7	1,283.7	4.6	3.5	-137.96	2.8	138.9	191.6	184.9	6.73	28.456		
1,400.0	1,356.6	1,395.0	1,376.9	5.4	3.9	-139.77	-9.9	159.1	217.8	210.2	7.54	28.865		
1,500.0	1,446.1	1,491.3	1,470.2	6.2	4.4	-141.19	-22.7	179.3	244.1	235.8	8.35	29.231		
1,600.0	1,535.6	1,587.6	1,563.5	7.0	4.8	-142.33	-35.4	199.6	270.6	261.4	9.15	29.559		
1,700.0	1,625.1	1,683.9	1,656.8	7.8	5.2	-143.27	-48.1	219.8	297.1	287.2	9.95	29.853		
1,800.0	1,714.6	1,780.2	1,750.1	8.6	5.7	-144.05	-60.9	240.0	323.7	313.0	10.75	30.116		
1,900.0	1,804.1	1,876.5	1,843.4	9.4	6.1	-144.72	-73.6	260.3	350.3	338.8	11.54	30.352		
2,000.0	1,893.6	1,972.8	1,936.7	10.2	6.6	-145.29	-86.3	280.5	377.0	364.7	12.34	30.566		
2,100.0	1,983.1	2,069.2	2,030.0	11.0	7.1	-145.78	-99.1	300.7	403.7	390.6	13.13	30.759		
2,200.0	2,072.6	2,165.5	2,123.3	11.8	7.5	-146.22	-111.8	321.0	430.5	416.6	13.92	30.934		
2,300.0	2,162.1	2,261.8	2,216.6	12.6	8.0	-146.60	-124.5	341.2	457.2	442.5	14.70	31.095		
2,400.0	2,251.6	2,358.1	2,309.9	13.5	8.4	-146.94	-137.3	361.5	484.0	468.5	15.49	31.241		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF12B-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	5.89	60.7	6.3	61.0					
100.0	100.0	100.0	100.0	0.1	0.1	5.89	60.7	6.3	61.0	60.8	0.23	260.939		
200.0	200.0	200.0	200.0	0.3	0.3	5.89	60.7	6.3	61.0	60.4	0.58	104.688		
300.0	300.0	300.0	300.0	0.5	0.5	5.89	60.7	6.3	61.0	60.1	0.93	65.479		
400.0	400.0	400.0	400.0	0.6	0.6	5.89	60.7	6.3	61.0	59.7	1.28	47.637 CC, ES		
500.0	500.0	501.7	501.7	0.8	0.8	-145.29	59.0	8.4	61.8	60.2	1.64	37.723		
600.0	599.6	603.3	603.0	1.0	1.0	-143.11	54.1	14.8	64.1	62.1	2.03	31.660		
700.0	698.8	704.8	703.5	1.3	1.3	-139.83	45.8	25.4	68.2	65.7	2.49	27.420		
800.0	797.1	806.1	803.0	1.6	1.6	-135.86	34.2	40.2	74.2	71.1	3.08	24.124		
900.0	894.3	907.0	901.1	2.0	2.1	-131.63	19.5	59.0	82.3	78.5	3.84	21.462		
1,000.0	990.2	1,006.6	996.9	2.5	2.5	-128.52	2.9	80.3	93.1	88.3	4.72	19.718		
1,100.0	1,084.4	1,105.6	1,092.2	3.2	3.0	-128.14	-13.7	101.6	107.1	101.5	5.65	18.968		
1,200.0	1,176.8	1,204.0	1,186.9	3.8	3.5	-129.61	-30.2	122.7	124.4	117.8	6.58	18.916 SF		
1,300.0	1,267.1	1,301.6	1,280.8	4.6	4.0	-132.20	-46.5	143.7	145.2	137.7	7.47	19.437		
1,400.0	1,356.6	1,398.8	1,374.3	5.4	4.5	-134.88	-62.8	164.6	167.5	159.2	8.32	20.129		
1,500.0	1,446.1	1,496.0	1,467.8	6.2	5.0	-136.93	-79.1	185.4	190.1	180.9	9.16	20.747		
1,600.0	1,535.6	1,593.2	1,561.4	7.0	5.5	-138.55	-95.4	206.3	212.9	202.9	10.00	21.294		
1,700.0	1,625.1	1,690.5	1,654.9	7.8	6.0	-139.86	-111.7	227.2	235.7	224.9	10.82	21.780		
1,800.0	1,714.6	1,787.7	1,748.5	8.6	6.5	-140.93	-128.0	248.1	258.7	247.1	11.65	22.213		
1,900.0	1,804.1	1,884.9	1,842.0	9.4	7.0	-141.83	-144.2	269.0	281.8	269.3	12.47	22.599		
2,000.0	1,893.6	1,982.1	1,935.5	10.2	7.5	-142.59	-160.5	289.8	304.9	291.6	13.29	22.945		
2,100.0	1,983.1	2,079.3	2,029.1	11.0	8.0	-143.24	-176.8	310.7	328.1	314.0	14.11	23.257		
2,200.0	2,072.6	2,176.5	2,122.6	11.8	8.5	-143.81	-193.1	331.6	351.3	336.3	14.92	23.539		
2,300.0	2,162.1	2,273.8	2,216.2	12.6	9.0	-144.31	-209.4	352.5	374.5	358.7	15.74	23.796		
2,400.0	2,251.6	2,371.0	2,309.7	13.5	9.5	-144.75	-225.7	373.4	397.7	381.2	16.55	24.029		
2,500.0	2,341.1	2,468.2	2,403.2	14.3	10.0	-145.14	-242.0	394.2	421.0	403.6	17.37	24.243		
2,600.0	2,430.6	2,565.4	2,496.8	15.1	10.5	-145.49	-258.3	415.1	444.3	426.1	18.18	24.440		
2,700.0	2,520.1	2,662.6	2,590.3	15.9	11.0	-145.81	-274.6	436.0	467.6	448.6	18.99	24.621		
2,800.0	2,609.6	2,759.8	2,683.9	16.7	11.5	-146.09	-290.9	456.9	490.9	471.1	19.80	24.788		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF12C-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		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)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	15.90	38.4	11.0	40.0					
100.0	100.0	100.0	100.0	0.1	0.1	15.90	38.4	11.0	40.0	39.7	0.23	170.922		
200.0	200.0	200.0	200.0	0.3	0.3	15.90	38.4	11.0	40.0	39.4	0.58	68.574		
300.0	300.0	300.0	300.0	0.5	0.5	15.90	38.4	11.0	40.0	39.0	0.93	42.891		
400.0	400.0	400.0	400.0	0.6	0.6	15.90	38.4	11.0	40.0	38.7	1.28	31.204 CC, ES		
500.0	500.0	501.0	500.9	0.8	0.8	-135.28	36.6	12.9	40.6	39.0	1.64	24.806		
600.0	599.6	601.9	601.5	1.0	1.0	-133.14	31.1	18.7	42.6	40.6	2.03	20.986		
700.0	698.8	702.7	701.5	1.3	1.3	-130.01	21.9	28.3	46.1	43.6	2.51	18.358		
800.0	797.1	803.5	800.5	1.6	1.6	-126.35	9.2	41.7	51.1	48.0	3.13	16.340		
900.0	894.3	904.0	898.2	2.0	2.1	-122.59	-7.2	58.8	57.8	53.8	3.92	14.728		
1,000.0	990.2	1,004.1	994.2	2.5	2.6	-119.24	-26.8	79.4	66.1	61.2	4.89	13.528		
1,100.0	1,084.4	1,103.5	1,089.1	3.2	3.1	-119.10	-47.1	100.7	76.9	71.0	5.91	13.007 SF		
1,200.0	1,176.8	1,202.5	1,183.7	3.8	3.6	-121.79	-67.3	121.9	90.3	83.4	6.92	13.041		
1,300.0	1,267.1	1,300.8	1,277.6	4.6	4.1	-126.00	-87.3	142.9	106.8	99.0	7.87	13.581		
1,400.0	1,356.6	1,398.8	1,371.2	5.4	4.7	-129.97	-107.3	163.9	125.0	116.2	8.74	14.306		
1,500.0	1,446.1	1,496.9	1,464.8	6.2	5.2	-132.92	-127.3	184.9	143.6	134.0	9.58	14.978		
1,600.0	1,535.6	1,594.9	1,558.5	7.0	5.7	-135.20	-147.3	205.9	162.4	152.0	10.42	15.586		
1,700.0	1,625.1	1,692.9	1,652.1	7.8	6.3	-137.00	-167.4	226.9	181.5	170.2	11.25	16.132		
1,800.0	1,714.6	1,790.9	1,745.7	8.6	6.8	-138.46	-187.4	247.9	200.7	188.6	12.07	16.622		
1,900.0	1,804.1	1,888.9	1,839.4	9.4	7.3	-139.67	-207.4	268.9	220.0	207.1	12.90	17.062		
2,000.0	1,893.6	1,987.0	1,933.0	10.2	7.9	-140.68	-227.4	289.9	239.4	225.7	13.71	17.458		
2,100.0	1,983.1	2,085.0	2,026.6	11.0	8.4	-141.54	-247.4	310.9	258.9	244.3	14.53	17.815		
2,200.0	2,072.6	2,183.0	2,120.3	11.8	9.0	-142.28	-267.4	331.9	278.4	263.0	15.35	18.139		
2,300.0	2,162.1	2,281.0	2,213.9	12.6	9.5	-142.92	-287.4	352.9	297.9	281.7	16.16	18.434		
2,400.0	2,251.6	2,379.0	2,307.5	13.5	10.1	-143.48	-307.4	373.9	317.5	300.5	16.97	18.703		
2,500.0	2,341.1	2,477.1	2,401.2	14.3	10.6	-143.98	-327.4	394.9	337.1	319.3	17.79	18.949		
2,600.0	2,430.6	2,575.1	2,494.8	15.1	11.1	-144.42	-347.4	415.9	356.7	338.1	18.60	19.176		
2,700.0	2,520.1	2,673.1	2,588.4	15.9	11.7	-144.82	-367.4	436.9	376.3	356.9	19.41	19.385		
2,800.0	2,609.6	2,771.1	2,682.1	16.7	12.2	-145.17	-387.4	457.9	396.0	375.7	20.23	19.578		
2,900.0	2,699.1	2,869.2	2,775.7	17.5	12.8	-145.50	-407.4	478.8	415.6	394.6	21.04	19.756		
3,000.0	2,788.6	2,967.2	2,869.3	18.3	13.3	-145.79	-427.5	499.8	435.3	413.5	21.85	19.923		
3,100.0	2,878.1	3,065.2	2,963.0	19.1	13.9	-146.06	-447.5	520.8	455.0	432.3	22.66	20.078		
3,200.0	2,967.6	3,163.2	3,056.6	20.0	14.4	-146.31	-467.5	541.8	474.7	451.2	23.47	20.222		
3,300.0	3,057.1	3,261.2	3,150.2	20.8	14.9	-146.54	-487.5	562.8	494.4	470.1	24.29	20.358		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF12E-03 H04 596 - DD - Plan #1														Offset Site Error:	0.0 ft
Survey Program: O-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)							
0.0	0.0	0.0	0.0	0.0	0.0	14.93	29.3	7.8	30.4						
100.0	100.0	100.0	100.0	0.1	0.1	14.93	29.3	7.8	30.4	0.23	129.828				
200.0	200.0	200.0	200.0	0.3	0.3	14.93	29.3	7.8	30.4	0.58	52.087				
300.0	300.0	300.0	300.0	0.5	0.5	14.93	29.3	7.8	30.4	0.93	32.579				
400.0	400.0	400.0	400.0	0.6	0.6	14.93	29.3	7.8	30.4	1.28	23.702 CC, ES				
500.0	500.0	500.0	500.0	0.8	0.8	-140.13	29.3	7.8	32.3	1.63	19.816				
600.0	599.6	600.4	600.4	1.0	1.0	-146.89	28.8	8.2	38.2	1.99	19.222				
700.0	698.8	701.8	701.6	1.3	1.2	-151.38	24.5	11.5	45.4	2.35	19.283				
800.0	797.1	803.6	802.8	1.6	1.4	-153.77	16.0	18.0	53.1	2.74	19.383				
900.0	894.3	905.7	903.7	2.0	1.7	-154.78	3.1	27.9	61.3	3.17	19.359				
1,000.0	990.2	1,008.3	1,003.9	2.5	2.1	-154.86	-14.2	41.0	69.7	3.65	19.127				
1,100.0	1,084.4	1,111.2	1,103.2	3.2	2.5	-154.31	-35.8	57.5	78.5	4.21	18.643				
1,200.0	1,176.8	1,214.5	1,201.2	3.8	3.1	-153.32	-61.6	77.2	87.5	4.88	17.920				
1,300.0	1,267.1	1,315.7	1,295.6	4.6	3.7	-152.34	-90.5	99.2	97.5	5.65	17.247				
1,400.0	1,356.6	1,415.0	1,388.2	5.4	4.3	-151.94	-119.1	121.1	108.6	6.45	16.848				
1,500.0	1,446.1	1,514.4	1,480.8	6.2	5.0	-151.61	-147.8	142.9	119.7	7.26	16.488				
1,600.0	1,535.6	1,613.8	1,573.4	7.0	5.6	-151.35	-176.5	164.8	130.9	8.10	16.170				
1,700.0	1,625.1	1,713.2	1,666.0	7.8	6.3	-151.12	-205.1	186.7	142.1	8.94	15.891				
1,800.0	1,714.6	1,812.5	1,758.6	8.6	6.9	-150.93	-233.8	208.5	153.2	9.79	15.645				
1,900.0	1,804.1	1,911.9	1,851.2	9.4	7.6	-150.76	-262.5	230.4	164.4	10.65	15.429				
2,000.0	1,893.6	2,011.3	1,943.8	10.2	8.2	-150.61	-291.1	252.3	175.5	11.52	15.239				
2,100.0	1,983.1	2,110.7	2,036.4	11.0	8.9	-150.48	-319.8	274.1	186.7	12.39	15.069				
2,200.0	2,072.6	2,210.0	2,129.1	11.8	9.5	-150.37	-348.5	296.0	197.9	13.26	14.918				
2,300.0	2,162.1	2,309.4	2,221.7	12.6	10.2	-150.27	-377.2	317.9	209.0	14.14	14.782				
2,400.0	2,251.6	2,408.8	2,314.3	13.5	10.9	-150.18	-405.8	339.7	220.2	15.02	14.660				
2,500.0	2,341.1	2,508.2	2,406.9	14.3	11.5	-150.09	-434.5	361.6	231.4	15.90	14.550				
2,600.0	2,430.6	2,607.5	2,499.5	15.1	12.2	-150.02	-463.2	383.5	242.5	16.78	14.449				
2,700.0	2,520.1	2,706.9	2,592.1	15.9	12.9	-149.95	-491.8	405.3	253.7	17.67	14.358				
2,800.0	2,609.6	2,806.3	2,684.7	16.7	13.5	-149.89	-520.5	427.2	264.9	18.56	14.274				
2,900.0	2,699.1	2,905.7	2,777.3	17.5	14.2	-149.83	-549.2	449.1	276.0	19.44	14.197				
3,000.0	2,788.6	3,005.0	2,869.9	18.3	14.9	-149.78	-577.9	470.9	287.2	20.33	14.125				
3,100.0	2,878.1	3,104.4	2,962.5	19.1	15.5	-149.73	-606.5	492.8	298.4	21.22	14.060				
3,200.0	2,967.6	3,203.8	3,055.1	20.0	16.2	-149.68	-635.2	514.7	309.5	22.11	13.999				
3,300.0	3,057.1	3,303.2	3,147.7	20.8	16.8	-149.64	-663.9	536.5	320.7	23.00	13.942				
3,400.0	3,146.5	3,402.5	3,240.3	21.6	17.5	-149.60	-692.5	558.4	331.9	23.89	13.889				
3,500.0	3,236.0	3,501.9	3,332.9	22.4	18.2	-149.56	-721.2	580.3	343.0	24.78	13.840				
3,600.0	3,325.5	3,601.3	3,425.5	23.2	18.8	-149.53	-749.9	602.1	354.2	25.68	13.794				
3,700.0	3,415.0	3,700.7	3,518.1	24.0	19.5	-149.50	-778.5	624.0	365.4	26.57	13.751				
3,800.0	3,504.5	3,800.0	3,610.7	24.8	20.2	-149.46	-807.2	645.9	376.5	27.46	13.710				
3,900.0	3,594.0	3,899.4	3,703.3	25.6	20.8	-149.44	-835.9	667.7	387.7	28.36	13.672				
4,000.0	3,683.5	3,998.8	3,795.9	26.5	21.5	-149.41	-864.6	689.6	398.9	29.25	13.636				
4,100.0	3,773.0	4,098.1	3,888.5	27.3	22.2	-149.38	-893.2	711.5	410.0	30.15	13.602				
4,200.0	3,862.5	4,197.5	3,981.1	28.1	22.8	-149.36	-921.9	733.3	421.2	31.04	13.569				
4,300.0	3,952.0	4,296.9	4,073.7	28.9	23.5	-149.34	-950.6	755.2	432.4	31.94	13.539				
4,400.0	4,041.5	4,396.3	4,166.3	29.7	24.2	-149.31	-979.2	777.1	443.5	32.83	13.510				
4,500.0	4,131.0	4,495.6	4,258.9	30.5	24.8	-149.29	-1,007.9	798.9	454.7	33.73	13.482				
4,600.0	4,220.5	4,595.0	4,351.5	31.3	25.5	-149.27	-1,036.6	820.8	465.9	34.62	13.456				
4,700.0	4,310.0	4,694.4	4,444.1	32.2	26.2	-149.25	-1,065.3	842.7	477.0	35.52	13.431				
4,800.0	4,399.5	4,793.8	4,536.7	33.0	26.8	-149.24	-1,093.9	864.5	488.2	36.41	13.408				
4,900.0	4,489.0	4,893.1	4,629.3	33.8	27.5	-149.22	-1,122.6	886.4	499.4	37.31	13.385 SF				

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13A-03 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: O-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		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
							+N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	15.90	19.2	5.5	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	15.90	19.2	5.5	20.0	19.7	0.23	85.434		
200.0	200.0	200.0	200.0	0.3	0.3	15.90	19.2	5.5	20.0	19.4	0.58	34.276		
300.0	300.0	300.0	300.0	0.5	0.5	15.90	19.2	5.5	20.0	19.0	0.93	21.439		
400.0	400.0	400.0	400.0	0.6	0.6	15.90	19.2	5.5	20.0	18.7	1.28	15.597 CC, ES		
500.0	500.0	500.0	500.0	0.8	0.8	-140.74	19.2	5.5	21.9	20.3	1.63	13.450		
600.0	599.6	600.8	600.7	1.0	1.0	-147.49	17.0	7.0	26.3	24.4	1.99	13.246		
700.0	698.8	701.9	701.5	1.3	1.2	-151.35	10.4	11.4	31.2	28.9	2.36	13.233		
800.0	797.1	803.2	801.9	1.6	1.5	-153.35	-0.7	18.9	36.4	33.7	2.76	13.217		
900.0	894.3	904.8	901.8	2.0	1.8	-154.14	-16.3	29.3	41.9	38.7	3.19	13.109		
1,000.0	990.2	1,006.7	1,000.8	2.5	2.2	-154.12	-36.2	42.8	47.5	43.8	3.69	12.863		
1,100.0	1,084.4	1,108.8	1,098.6	3.2	2.7	-153.53	-60.6	59.2	53.2	48.9	4.27	12.460		
1,200.0	1,176.8	1,211.2	1,194.9	3.8	3.3	-152.54	-89.4	78.5	59.1	54.2	4.96	11.912		
1,300.0	1,267.1	1,312.5	1,288.4	4.6	4.0	-151.54	-121.6	100.2	65.6	59.8	5.76	11.392		
1,400.0	1,356.6	1,412.2	1,380.2	5.4	4.7	-151.14	-154.0	121.9	73.0	66.4	6.58	11.102		
1,500.0	1,446.1	1,511.9	1,472.0	6.2	5.4	-150.81	-186.3	143.7	80.4	73.0	7.42	10.846		
1,600.0	1,535.6	1,611.6	1,563.8	7.0	6.1	-150.54	-218.6	165.4	87.9	79.6	8.27	10.622		
1,700.0	1,625.1	1,711.4	1,655.6	7.8	6.8	-150.31	-251.0	187.1	95.3	86.1	9.14	10.427		
1,800.0	1,714.6	1,811.1	1,747.4	8.6	7.5	-150.12	-283.3	208.9	102.7	92.7	10.01	10.257		
1,900.0	1,804.1	1,910.8	1,839.2	9.4	8.2	-149.95	-315.6	230.6	110.1	99.2	10.90	10.108		
2,000.0	1,893.6	2,010.5	1,931.0	10.2	8.9	-149.80	-348.0	252.4	117.6	105.8	11.78	9.976		
2,100.0	1,983.1	2,110.2	2,022.8	11.0	9.6	-149.67	-380.3	274.1	125.0	112.3	12.68	9.860		
2,200.0	2,072.6	2,210.0	2,114.6	11.8	10.3	-149.55	-412.6	295.9	132.4	118.8	13.57	9.757		
2,300.0	2,162.1	2,309.7	2,206.3	12.6	11.0	-149.45	-445.0	317.6	139.8	125.4	14.47	9.664		
2,400.0	2,251.6	2,409.4	2,298.1	13.5	11.7	-149.35	-477.3	339.4	147.3	131.9	15.37	9.581		
2,500.0	2,341.1	2,509.1	2,389.9	14.3	12.5	-149.27	-509.7	361.1	154.7	138.4	16.27	9.506		
2,600.0	2,430.6	2,608.9	2,481.7	15.1	13.2	-149.19	-542.0	382.8	162.1	145.0	17.18	9.437		
2,700.0	2,520.1	2,708.6	2,573.5	15.9	13.9	-149.12	-574.3	404.6	169.6	151.5	18.09	9.375		
2,800.0	2,609.6	2,808.3	2,665.3	16.7	14.6	-149.06	-606.7	426.3	177.0	158.0	18.99	9.318		
2,900.0	2,699.1	2,908.0	2,757.1	17.5	15.3	-149.00	-639.0	448.1	184.4	164.5	19.90	9.266		
3,000.0	2,788.6	3,007.8	2,848.9	18.3	16.0	-148.95	-671.3	469.8	191.9	171.0	20.81	9.218		
3,100.0	2,878.1	3,107.5	2,940.7	19.1	16.7	-148.89	-703.7	491.6	199.3	177.6	21.72	9.173		
3,200.0	2,967.6	3,207.2	3,032.5	20.0	17.5	-148.85	-736.0	513.3	206.7	184.1	22.64	9.132		
3,300.0	3,057.1	3,306.9	3,124.3	20.8	18.2	-148.80	-768.3	535.0	214.1	190.6	23.55	9.094		
3,400.0	3,146.5	3,406.7	3,216.1	21.6	18.9	-148.76	-800.7	556.8	221.6	197.1	24.46	9.058		
3,500.0	3,236.0	3,506.4	3,307.9	22.4	19.6	-148.73	-833.0	578.5	229.0	203.6	25.38	9.025		
3,600.0	3,325.5	3,606.1	3,399.7	23.2	20.3	-148.69	-865.3	600.3	236.4	210.1	26.29	8.993		
3,700.0	3,415.0	3,705.8	3,491.5	24.0	21.0	-148.66	-897.7	622.0	243.9	216.7	27.20	8.964		
3,800.0	3,504.5	3,805.5	3,583.3	24.8	21.8	-148.63	-930.0	643.8	251.3	223.2	28.12	8.937		
3,900.0	3,594.0	3,905.3	3,675.1	25.6	22.5	-148.60	-962.4	665.5	258.7	229.7	29.04	8.911		
4,000.0	3,683.5	4,005.0	3,766.9	26.5	23.2	-148.57	-994.7	687.2	266.2	236.2	29.95	8.887		
4,100.0	3,773.0	4,104.7	3,858.7	27.3	23.9	-148.54	-1,027.0	709.0	273.6	242.7	30.87	8.864		
4,200.0	3,862.5	4,204.4	3,950.5	28.1	24.6	-148.52	-1,059.4	730.7	281.0	249.2	31.78	8.842		
4,300.0	3,952.0	4,304.2	4,042.3	28.9	25.3	-148.49	-1,091.7	752.5	288.5	255.8	32.70	8.821		
4,400.0	4,041.5	4,403.9	4,134.1	29.7	26.1	-148.47	-1,124.0	774.2	295.9	262.3	33.62	8.802		
4,500.0	4,131.0	4,503.6	4,225.8	30.5	26.8	-148.45	-1,156.4	796.0	303.3	268.8	34.53	8.783		
4,600.0	4,220.5	4,603.3	4,317.6	31.3	27.5	-148.43	-1,188.7	817.7	310.8	275.3	35.45	8.765		
4,700.0	4,310.0	4,703.1	4,409.4	32.2	28.2	-148.41	-1,221.0	839.4	318.2	281.8	36.37	8.749		
4,800.0	4,399.5	4,802.8	4,501.2	33.0	28.9	-148.39	-1,253.4	861.2	325.6	288.3	37.29	8.733		
4,900.0	4,489.0	4,902.5	4,593.0	33.8	29.6	-148.37	-1,285.7	882.9	333.1	294.8	38.21	8.717		
5,000.0	4,578.5	5,002.2	4,684.8	34.6	30.4	-148.36	-1,318.1	904.7	340.5	301.4	39.12	8.703		
5,100.0	4,668.0	5,101.9	4,776.6	35.4	31.1	-148.34	-1,350.4	926.4	347.9	307.9	40.04	8.689		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13A-03 H04 596 - DD - Plan #1												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	Total Uncertainty Axis	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)			
5,200.0	4,757.5	5,201.7	4,868.4	36.2	31.8	-148.33	-1,382.7	948.2	355.3	314.4	40.96	8.675	
5,300.0	4,847.0	5,301.4	4,960.2	37.0	32.5	-148.31	-1,415.1	969.9	362.8	320.9	41.88	8.663	
5,400.0	4,936.5	5,401.1	5,052.0	37.8	33.2	-148.30	-1,447.4	991.6	370.2	327.4	42.80	8.650	
5,500.0	5,026.0	5,500.8	5,143.8	38.7	33.9	-148.28	-1,479.7	1,013.4	377.6	333.9	43.72	8.639	
5,600.0	5,115.5	5,600.6	5,235.6	39.5	34.7	-148.27	-1,512.1	1,035.1	385.1	340.4	44.64	8.627	
5,700.0	5,205.0	5,700.3	5,327.4	40.3	35.4	-148.26	-1,544.4	1,056.9	392.5	347.0	45.55	8.616	
5,800.0	5,294.5	5,800.0	5,419.2	41.1	36.1	-148.24	-1,576.7	1,078.6	399.9	353.5	46.47	8.606	
5,900.0	5,384.0	5,899.7	5,511.0	41.9	36.8	-148.23	-1,609.1	1,100.4	407.4	360.0	47.39	8.596	
6,000.0	5,473.5	5,999.5	5,602.8	42.7	37.5	-148.22	-1,641.4	1,122.1	414.8	366.5	48.31	8.586	
6,100.0	5,563.0	6,099.2	5,694.6	43.5	38.2	-148.21	-1,673.7	1,143.8	422.2	373.0	49.23	8.577	
6,200.0	5,652.5	6,198.9	5,786.4	44.4	39.0	-148.20	-1,706.1	1,165.6	429.7	379.5	50.15	8.568	
6,300.0	5,742.0	6,298.6	5,878.2	45.2	39.7	-148.19	-1,738.4	1,187.3	437.1	386.0	51.07	8.559	
6,400.0	5,831.5	6,398.4	5,970.0	46.0	40.4	-148.18	-1,770.8	1,209.1	444.5	392.5	51.99	8.550	
6,500.0	5,921.0	6,498.1	6,061.8	46.8	41.1	-148.17	-1,803.1	1,230.8	452.0	399.1	52.91	8.542	
6,600.0	6,010.5	6,597.8	6,153.5	47.6	41.8	-148.16	-1,835.4	1,252.6	459.4	405.6	53.83	8.534	
6,700.0	6,100.0	6,697.5	6,245.3	48.4	42.5	-148.15	-1,867.8	1,274.3	466.8	412.1	54.75	8.527	
6,800.0	6,189.5	6,797.2	6,337.1	49.2	43.3	-148.14	-1,900.1	1,296.0	474.3	418.6	55.67	8.519	
6,900.0	6,279.0	6,897.0	6,428.9	50.1	44.0	-148.13	-1,932.4	1,317.8	481.7	425.1	56.59	8.512	
7,000.0	6,368.5	6,996.7	6,520.7	50.9	44.7	-148.13	-1,964.8	1,339.5	489.1	431.6	57.51	8.505 SF	
7,100.0	6,458.1	7,084.0	6,601.4	51.7	45.3	-148.22	-1,992.3	1,358.1	497.2	438.9	58.26	8.533	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13B-03 H04 596 - DD - Plan #2														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)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	13.06	10.1	2.3	10.4						
100.0	100.0	100.0	100.0	0.1	0.1	13.06	10.1	2.3	10.4	10.2	0.23	44.412			
200.0	200.0	200.0	200.0	0.3	0.3	13.06	10.1	2.3	10.4	9.8	0.58	17.818			
300.0	300.0	300.0	300.0	0.5	0.5	13.06	10.1	2.3	10.4	9.5	0.93	11.145			
400.0	400.0	400.0	400.0	0.6	0.6	13.06	10.1	2.3	10.4	9.1	1.28	8.108 CC, ES			
500.0	500.0	500.2	500.2	0.8	0.8	-144.94	9.6	2.7	12.0	10.3	1.63	7.327			
600.0	599.6	600.7	600.6	1.0	1.0	-150.02	5.0	5.4	14.3	12.3	1.99	7.186			
700.0	698.8	701.4	700.7	1.3	1.2	-152.78	-4.0	10.9	16.8	14.5	2.36	7.116			
800.0	797.1	802.2	800.2	1.6	1.5	-154.04	-17.6	19.0	19.5	16.7	2.76	7.039			
900.0	894.3	903.1	898.9	2.0	1.9	-154.31	-35.7	29.9	22.2	19.0	3.21	6.916			
1,000.0	990.2	1,004.2	996.4	2.5	2.4	-153.92	-58.3	43.5	25.0	21.3	3.72	6.726			
1,100.0	1,084.4	1,105.4	1,092.6	3.2	2.9	-153.06	-85.3	59.8	27.9	23.6	4.32	6.460			
1,200.0	1,176.8	1,206.7	1,187.0	3.8	3.6	-151.86	-116.6	78.7	30.8	25.8	5.03	6.126			
1,300.0	1,267.1	1,307.6	1,279.2	4.6	4.3	-150.62	-151.9	99.9	34.0	28.1	5.87	5.794			
1,400.0	1,356.6	1,407.5	1,369.9	5.4	5.0	-149.96	-187.8	121.5	37.7	31.0	6.74	5.593			
1,500.0	1,446.1	1,507.5	1,460.6	6.2	5.8	-149.42	-223.7	143.1	41.4	33.8	7.64	5.420			
1,600.0	1,535.6	1,607.4	1,551.3	7.0	6.5	-148.97	-259.6	164.8	45.1	36.5	8.55	5.272			
1,700.0	1,625.1	1,707.3	1,642.0	7.8	7.3	-148.59	-295.6	186.4	48.8	39.3	9.48	5.145			
1,800.0	1,714.6	1,807.3	1,732.7	8.6	8.1	-148.26	-331.5	208.0	52.5	42.1	10.42	5.035			
1,900.0	1,804.1	1,907.2	1,823.5	9.4	8.8	-147.98	-367.4	229.6	56.2	44.8	11.37	4.940			
2,000.0	1,893.6	2,007.1	1,914.2	10.2	9.6	-147.73	-403.3	251.3	59.9	47.6	12.33	4.857			
2,100.0	1,983.1	2,107.1	2,004.9	11.0	10.3	-147.51	-439.2	272.9	63.6	50.3	13.29	4.784			
2,200.0	2,072.6	2,207.0	2,095.6	11.8	11.1	-147.31	-475.1	294.5	67.3	53.0	14.26	4.719			
2,300.0	2,162.1	2,306.9	2,186.3	12.6	11.9	-147.14	-511.1	316.1	71.0	55.8	15.23	4.661			
2,400.0	2,251.6	2,406.8	2,277.0	13.5	12.6	-146.98	-547.0	337.8	74.7	58.5	16.21	4.610			
2,500.0	2,341.1	2,506.8	2,367.7	14.3	13.4	-146.84	-582.9	359.4	78.4	61.2	17.18	4.563			
2,600.0	2,430.6	2,606.7	2,458.4	15.1	14.2	-146.70	-618.8	381.0	82.1	64.0	18.16	4.521			
2,700.0	2,520.1	2,706.6	2,549.2	15.9	14.9	-146.59	-654.7	402.6	85.8	66.7	19.14	4.483			
2,800.0	2,609.6	2,806.6	2,639.9	16.7	15.7	-146.48	-690.6	424.2	89.5	69.4	20.13	4.448			
2,900.0	2,699.1	2,906.5	2,730.6	17.5	16.4	-146.38	-726.5	445.9	93.2	72.1	21.11	4.416			
3,000.0	2,788.6	3,006.4	2,821.3	18.3	17.2	-146.28	-762.5	467.5	96.9	74.8	22.10	4.387			
3,100.0	2,878.1	3,106.4	2,912.0	19.1	18.0	-146.20	-798.4	489.1	100.7	77.6	23.08	4.360			
3,200.0	2,967.6	3,206.3	3,002.7	20.0	18.7	-146.12	-834.3	510.7	104.4	80.3	24.07	4.335			
3,300.0	3,057.1	3,306.2	3,093.4	20.8	19.5	-146.04	-870.2	532.4	108.1	83.0	25.06	4.312			
3,400.0	3,146.5	3,406.2	3,184.1	21.6	20.3	-145.97	-906.1	554.0	111.8	85.7	26.05	4.291			
3,500.0	3,236.0	3,506.1	3,274.8	22.4	21.0	-145.91	-942.0	575.6	115.5	88.4	27.04	4.270			
3,600.0	3,325.5	3,606.0	3,365.6	23.2	21.8	-145.85	-978.0	597.2	119.2	91.2	28.03	4.252			
3,700.0	3,415.0	3,706.0	3,456.3	24.0	22.6	-145.79	-1,013.9	618.9	122.9	93.9	29.03	4.234			
3,800.0	3,504.5	3,805.9	3,547.0	24.8	23.4	-145.74	-1,049.8	640.5	126.6	96.6	30.02	4.218			
3,900.0	3,594.0	3,905.8	3,637.7	25.6	24.1	-145.68	-1,085.7	662.1	130.3	99.3	31.01	4.202			
4,000.0	3,683.5	4,005.7	3,728.4	26.5	24.9	-145.64	-1,121.6	683.7	134.0	102.0	32.01	4.188			
4,100.0	3,773.0	4,105.7	3,819.1	27.3	25.7	-145.59	-1,157.5	705.4	137.7	104.7	33.00	4.174			
4,200.0	3,862.5	4,205.6	3,909.8	28.1	26.4	-145.55	-1,193.4	727.0	141.5	107.5	33.99	4.161			
4,300.0	3,952.0	4,305.5	4,000.5	28.9	27.2	-145.51	-1,229.4	748.6	145.2	110.2	34.99	4.149			
4,400.0	4,041.5	4,405.5	4,091.3	29.7	28.0	-145.47	-1,265.3	770.2	148.9	112.9	35.98	4.137			
4,500.0	4,131.0	4,505.4	4,182.0	30.5	28.7	-145.43	-1,301.2	791.9	152.6	115.6	36.98	4.126			
4,600.0	4,220.5	4,605.3	4,272.7	31.3	29.5	-145.40	-1,337.1	813.5	156.3	118.3	37.98	4.116			
4,700.0	4,310.0	4,705.3	4,363.4	32.2	30.3	-145.36	-1,373.0	835.1	160.0	121.0	38.97	4.106			
4,800.0	4,399.5	4,805.2	4,454.1	33.0	31.0	-145.33	-1,408.9	856.7	163.7	123.7	39.97	4.096			
4,900.0	4,489.0	4,905.1	4,544.8	33.8	31.8	-145.30	-1,444.9	878.3	167.4	126.5	40.96	4.087			
5,000.0	4,578.5	5,005.1	4,635.5	34.6	32.6	-145.27	-1,480.8	900.0	171.1	129.2	41.96	4.078			
5,100.0	4,668.0	5,105.0	4,726.2	35.4	33.3	-145.24	-1,516.7	921.6	174.8	131.9	42.96	4.070			

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13B-03 H04 596 - DD - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: O-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)	Total Uncertainty Axis	Separation Factor		
5,200.0	4,757.5	5,204.9	4,817.0	36.2	34.1	-145.22	-1,552.6	943.2	178.5	134.6	43.95	4.062		
5,300.0	4,847.0	5,304.9	4,907.7	37.0	34.9	-145.19	-1,588.5	964.8	182.3	137.3	44.95	4.055		
5,400.0	4,936.5	5,404.8	4,998.4	37.8	35.6	-145.17	-1,624.4	986.5	186.0	140.0	45.95	4.047		
5,500.0	5,026.0	5,504.7	5,089.1	38.7	36.4	-145.14	-1,660.4	1,008.1	189.7	142.7	46.95	4.040		
5,600.0	5,115.5	5,604.6	5,179.8	39.5	37.2	-145.12	-1,696.3	1,029.7	193.4	145.4	47.94	4.034		
5,700.0	5,205.0	5,704.6	5,270.5	40.3	37.9	-145.10	-1,732.2	1,051.3	197.1	148.2	48.94	4.027		
5,800.0	5,294.5	5,804.5	5,361.2	41.1	38.7	-145.08	-1,768.1	1,073.0	200.8	150.9	49.94	4.021		
5,900.0	5,384.0	5,904.4	5,451.9	41.9	39.5	-145.05	-1,804.0	1,094.6	204.5	153.6	50.94	4.015		
6,000.0	5,473.5	6,004.4	5,542.7	42.7	40.2	-145.04	-1,839.9	1,116.2	208.2	156.3	51.94	4.009		
6,100.0	5,563.0	6,104.3	5,633.4	43.5	41.0	-145.02	-1,875.8	1,137.8	211.9	159.0	52.93	4.004		
6,200.0	5,652.5	6,204.2	5,724.1	44.4	41.8	-145.00	-1,911.8	1,159.5	215.6	161.7	53.93	3.999		
6,300.0	5,742.0	6,304.2	5,814.8	45.2	42.6	-144.98	-1,947.7	1,181.1	219.4	164.4	54.93	3.993		
6,400.0	5,831.5	6,404.1	5,905.5	46.0	43.3	-144.96	-1,983.6	1,202.7	223.1	167.1	55.93	3.988		
6,500.0	5,921.0	6,504.0	5,996.2	46.8	44.1	-144.95	-2,019.5	1,224.3	226.8	169.9	56.93	3.984		
6,600.0	6,010.5	6,604.0	6,086.9	47.6	44.9	-144.93	-2,055.4	1,246.0	230.5	172.6	57.93	3.979		
6,700.0	6,100.0	6,703.9	6,177.6	48.4	45.6	-144.91	-2,091.3	1,267.6	234.2	175.3	58.93	3.975		
6,800.0	6,189.5	6,803.8	6,268.4	49.2	46.4	-144.90	-2,127.3	1,289.2	237.9	178.0	59.92	3.970		
6,900.0	6,279.0	6,903.8	6,359.1	50.1	47.2	-144.88	-2,163.2	1,310.8	241.6	180.7	60.92	3.966		
7,000.0	6,368.5	7,003.7	6,449.8	50.9	47.9	-144.87	-2,199.1	1,332.4	245.3	183.4	61.92	3.962		
7,100.0	6,458.1	7,100.0	6,537.5	51.7	48.6	-144.85	-2,233.1	1,352.9	249.4	186.6	62.79	3.972		
7,200.0	6,549.6	7,188.6	6,619.8	52.4	49.2	-145.11	-2,261.3	1,369.9	253.4	190.0	63.42	3.996		
7,300.0	6,643.0	7,279.0	6,705.2	53.0	49.7	-145.24	-2,286.6	1,385.2	256.9	192.9	63.99	4.015		
7,400.0	6,738.2	7,369.2	6,791.7	53.5	50.1	-145.34	-2,308.5	1,398.3	259.8	195.4	64.49	4.029		
7,500.0	6,834.8	7,459.4	6,879.4	53.9	50.5	-145.41	-2,326.8	1,409.3	262.2	197.3	64.92	4.039		
7,600.0	6,932.7	7,549.6	6,967.8	54.3	50.8	-145.45	-2,341.5	1,418.2	264.0	198.7	65.29	4.044		
7,700.0	7,031.5	7,639.6	7,057.0	54.5	51.0	-145.46	-2,352.7	1,424.9	265.3	199.7	65.59	4.045		
7,800.0	7,131.0	7,729.7	7,146.6	54.7	51.2	-145.44	-2,360.2	1,429.4	265.9	200.1	65.82	4.041		
7,900.0	7,230.8	7,819.8	7,236.5	54.8	51.2	-145.39	-2,364.1	1,431.8	266.0	200.1	65.98	4.032		
7,999.6	7,330.4	7,913.7	7,330.4	54.8	51.3	152.20	-2,364.7	1,432.1	266.4	200.4	66.03	4.035		
8,000.0	7,330.8	7,914.1	7,330.8	54.8	51.3	126.99	-2,364.7	1,432.1	265.9	199.7	66.13	4.020		
8,100.0	7,430.8	8,014.2	7,430.9	54.9	51.3	126.99	-2,364.7	1,432.1	265.9	199.6	66.28	4.012		
8,200.0	7,530.8	8,114.2	7,531.0	54.9	51.4	126.99	-2,364.7	1,432.1	265.9	199.4	66.42	4.003		
8,300.0	7,630.8	8,214.3	7,631.0	55.0	51.4	126.99	-2,364.8	1,432.0	265.9	199.3	66.57	3.994		
8,400.0	7,730.8	8,314.3	7,731.1	55.0	51.5	126.99	-2,364.9	1,431.8	265.9	199.2	66.72	3.985		
8,500.0	7,830.8	8,414.4	7,831.2	55.1	51.5	126.99	-2,365.0	1,431.7	265.9	199.0	66.87	3.976		
8,600.0	7,930.8	8,514.5	7,931.2	55.1	51.6	126.99	-2,365.1	1,431.5	265.9	198.9	67.02	3.967		
8,700.0	8,030.8	8,614.5	8,031.3	55.2	51.6	126.99	-2,365.2	1,431.2	265.9	198.7	67.17	3.958		
8,800.0	8,130.8	8,714.6	8,131.3	55.2	51.7	127.00	-2,365.4	1,431.0	265.9	198.6	67.32	3.949		
8,900.0	8,230.8	8,814.6	8,231.4	55.3	51.7	127.00	-2,365.5	1,430.7	265.9	198.4	67.47	3.941		
9,000.0	8,330.8	8,914.7	8,331.5	55.3	51.8	127.00	-2,365.7	1,430.4	265.9	198.3	67.63	3.932		
9,100.0	8,430.8	9,014.8	8,431.5	55.4	51.8	127.00	-2,365.9	1,430.0	265.9	198.1	67.78	3.923		
9,200.0	8,530.8	9,114.8	8,531.6	55.4	51.9	127.00	-2,366.2	1,429.6	265.9	198.0	67.93	3.914		
9,300.0	8,630.8	9,214.9	8,631.6	55.5	51.9	127.00	-2,366.4	1,429.2	265.9	197.8	68.09	3.905		
9,400.0	8,730.8	9,314.9	8,731.7	55.5	52.0	127.00	-2,366.7	1,428.8	265.9	197.7	68.24	3.897		
9,500.0	8,830.8	9,415.0	8,831.8	55.6	52.1	127.00	-2,367.0	1,428.3	265.9	197.5	68.40	3.888		
9,600.0	8,930.8	9,515.1	8,931.8	55.6	52.1	127.00	-2,367.3	1,427.7	265.9	197.4	68.55	3.879		
9,700.0	9,030.8	9,615.1	9,031.9	55.7	52.2	127.01	-2,367.6	1,427.2	265.9	197.2	68.71	3.870		
9,800.0	9,130.8	9,715.2	9,131.9	55.7	52.2	127.01	-2,368.0	1,426.6	265.9	197.1	68.87	3.861		
9,900.0	9,230.8	9,815.3	9,232.0	55.8	52.3	127.01	-2,368.3	1,426.0	265.9	196.9	69.02	3.853		
10,000.0	9,330.8	9,915.3	9,332.0	55.8	52.3	127.01	-2,368.7	1,425.3	265.9	196.7	69.18	3.844		
10,100.0	9,430.8	10,015.3	9,432.0	55.9	52.4	127.01	-2,369.1	1,424.7	265.9	196.6	69.34	3.835		
10,200.0	9,530.8	10,115.3	9,532.0	55.9	52.4	127.01	-2,369.5	1,424.0	265.9	196.4	69.50	3.826		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13B-03 H04 596 - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: O-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total	Separation	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)	Uncertainty Axis	Factor		
10,300.0	9,630.8	10,215.3	9,632.0	56.0	52.5	127.01	-2,369.9	1,423.4	265.9	196.3	69.66	3.817		
10,400.0	9,730.8	10,315.3	9,732.0	56.1	52.6	127.01	-2,370.2	1,422.7	265.9	196.1	69.82	3.808		
10,500.0	9,830.8	10,415.3	9,832.0	56.1	52.6	127.01	-2,370.6	1,422.1	265.9	195.9	69.99	3.800		
10,600.0	9,930.8	10,515.3	9,932.0	56.2	52.7	127.02	-2,371.0	1,421.4	265.9	195.8	70.15	3.791		
10,700.0	10,030.8	10,615.3	10,032.0	56.2	52.7	127.02	-2,371.4	1,420.8	265.9	195.6	70.32	3.782		
10,800.0	10,130.8	10,715.3	10,132.0	56.3	52.8	127.02	-2,371.8	1,420.1	265.9	195.4	70.49	3.773		
10,900.0	10,230.8	10,815.3	10,232.0	56.3	52.9	127.02	-2,372.2	1,419.5	265.9	195.3	70.66	3.764		
11,000.0	10,330.8	10,915.3	10,332.0	56.4	52.9	127.02	-2,372.6	1,418.8	265.9	195.1	70.83	3.754		
11,100.0	10,430.8	11,015.3	10,432.0	56.5	53.0	127.02	-2,372.9	1,418.1	265.9	194.9	71.00	3.745		
11,200.0	10,530.8	11,115.3	10,532.0	56.5	53.1	127.02	-2,373.3	1,417.5	265.9	194.8	71.17	3.736		
11,300.0	10,630.8	11,215.3	10,632.0	56.6	53.1	127.02	-2,373.7	1,416.8	265.9	194.6	71.35	3.727		
11,400.0	10,730.8	11,315.3	10,732.0	56.6	53.2	127.02	-2,374.1	1,416.2	265.9	194.4	71.53	3.718		
11,500.0	10,830.8	11,415.3	10,832.0	56.7	53.3	127.02	-2,374.5	1,415.5	265.9	194.2	71.70	3.709		
11,600.0	10,930.8	11,515.3	10,932.0	56.8	53.3	127.02	-2,374.9	1,414.9	265.9	194.1	71.88	3.700		
11,700.0	11,030.8	11,615.3	11,032.0	56.8	53.4	127.03	-2,375.3	1,414.2	265.9	193.9	72.06	3.690		
11,800.0	11,130.7	11,715.3	11,132.0	56.9	53.5	127.03	-2,375.7	1,413.6	265.9	193.7	72.24	3.681		
11,900.0	11,230.7	11,815.3	11,232.0	57.0	53.5	127.03	-2,376.0	1,412.9	265.9	193.5	72.42	3.672		
12,000.0	11,330.7	11,915.3	11,332.0	57.0	53.6	127.03	-2,376.4	1,412.3	265.9	193.3	72.61	3.663		
12,100.0	11,430.7	12,015.3	11,432.0	57.1	53.7	127.03	-2,376.8	1,411.6	265.9	193.1	72.79	3.653		
12,200.0	11,530.7	12,115.3	11,532.0	57.2	53.7	127.03	-2,377.2	1,410.9	265.9	193.0	72.98	3.644		
12,300.0	11,630.7	12,215.3	11,632.0	57.2	53.8	127.03	-2,377.6	1,410.3	265.9	192.8	73.17	3.635		
12,400.0	11,730.7	12,315.3	11,732.0	57.3	53.9	127.03	-2,378.0	1,409.6	265.9	192.6	73.35	3.625		
12,500.0	11,830.7	12,415.3	11,832.0	57.4	53.9	127.03	-2,378.4	1,409.0	265.9	192.4	73.54	3.616		
12,600.0	11,930.7	12,515.3	11,931.9	57.4	54.0	127.03	-2,378.7	1,408.3	265.9	192.2	73.73	3.607		
12,700.0	12,030.7	12,615.3	12,031.9	57.5	54.1	127.03	-2,379.1	1,407.7	265.9	192.0	73.93	3.597		
12,800.0	12,130.7	12,715.3	12,131.9	57.6	54.1	127.04	-2,379.5	1,407.0	265.9	191.8	74.12	3.588		
12,900.0	12,230.7	12,815.3	12,231.9	57.6	54.2	127.04	-2,379.9	1,406.4	265.9	191.6	74.31	3.579		
13,000.0	12,330.7	12,915.3	12,331.9	57.7	54.3	127.04	-2,380.3	1,405.7	265.9	191.4	74.51	3.569 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13D-03 H04 596 - DD - Plan #1													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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-161.05	-9.1	-3.1	9.6					
100.0	100.0	100.0	100.0	0.1	0.1	-161.05	-9.1	-3.1	9.6	9.4	0.23	41.189		
200.0	200.0	200.0	200.0	0.3	0.3	-161.05	-9.1	-3.1	9.6	9.1	0.58	16.525		
300.0	300.0	300.0	300.0	0.5	0.5	-161.05	-9.1	-3.1	9.6	8.7	0.93	10.336		
334.7	334.7	334.7	334.7	0.5	0.5	-161.05	-9.1	-3.1	9.6	8.6	1.05	9.147	CC, ES	
400.0	400.0	399.8	399.8	0.6	0.6	-163.67	-9.7	-2.8	10.1	8.8	1.28	7.885		
500.0	500.0	499.3	499.2	0.8	0.8	36.33	-14.3	-0.5	12.2	10.5	1.64	7.449		
600.0	599.6	598.7	598.0	1.0	1.1	31.26	-23.6	4.1	14.5	12.5	2.00	7.231		
700.0	698.8	697.9	696.0	1.3	1.4	28.10	-37.4	10.9	16.9	14.5	2.39	7.079		
800.0	797.1	797.1	793.0	1.6	1.7	26.17	-55.8	20.1	19.4	16.6	2.79	6.933		
900.0	894.3	896.1	888.6	2.0	2.2	25.08	-78.5	31.4	21.9	18.6	3.23	6.768		
1,000.0	990.2	994.9	982.7	2.5	2.7	24.56	-105.7	44.9	24.4	20.7	3.71	6.570		
1,100.0	1,084.4	1,093.7	1,075.0	3.2	3.4	24.46	-137.1	60.5	26.9	22.7	4.25	6.332		
1,200.0	1,176.8	1,192.3	1,165.3	3.8	4.1	24.68	-172.8	78.2	29.4	24.6	4.86	6.056		
1,300.0	1,267.1	1,290.8	1,253.2	4.6	4.9	25.07	-212.5	97.9	32.0	26.4	5.55	5.762		
1,400.0	1,356.6	1,390.7	1,341.1	5.4	5.8	24.81	-255.0	119.1	35.6	29.3	6.24	5.701		
1,500.0	1,446.1	1,490.6	1,429.0	6.2	6.6	24.59	-297.6	140.2	39.1	32.2	6.93	5.650		
1,600.0	1,535.6	1,590.5	1,516.9	7.0	7.5	24.40	-340.1	161.4	42.7	35.1	7.62	5.605		
1,700.0	1,625.1	1,690.5	1,604.8	7.8	8.3	24.25	-382.7	182.5	46.3	38.0	8.32	5.567		
1,800.0	1,714.6	1,790.4	1,692.7	8.6	9.2	24.11	-425.3	203.7	49.9	40.9	9.01	5.533		
1,900.0	1,804.1	1,890.3	1,780.6	9.4	10.0	24.00	-467.8	224.8	53.5	43.7	9.71	5.504		
2,000.0	1,893.6	1,990.3	1,868.5	10.2	10.9	23.89	-510.4	246.0	57.0	46.6	10.41	5.478		
2,100.0	1,983.1	2,090.2	1,956.4	11.0	11.8	23.80	-553.0	267.1	60.6	49.5	11.11	5.455		
2,200.0	2,072.6	2,190.1	2,044.3	11.8	12.6	23.73	-595.5	288.3	64.2	52.4	11.81	5.434		
2,300.0	2,162.1	2,290.1	2,132.2	12.6	13.5	23.65	-638.1	309.4	67.8	55.3	12.51	5.416		
2,400.0	2,251.6	2,390.0	2,220.1	13.5	14.3	23.59	-680.7	330.6	71.3	58.1	13.21	5.399		
2,500.0	2,341.1	2,490.0	2,308.0	14.3	15.2	23.53	-723.2	351.7	74.9	61.0	13.92	5.384		
2,600.0	2,430.6	2,589.9	2,395.9	15.1	16.1	23.48	-765.8	372.9	78.5	63.9	14.62	5.371		
2,700.0	2,520.1	2,689.8	2,483.9	15.9	16.9	23.43	-808.4	394.1	82.1	66.8	15.32	5.358		
2,800.0	2,609.6	2,789.8	2,571.8	16.7	17.8	23.39	-850.9	415.2	85.7	69.6	16.02	5.347		
2,900.0	2,699.1	2,889.7	2,659.7	17.5	18.7	23.35	-893.5	436.4	89.2	72.5	16.72	5.336		
3,000.0	2,788.6	2,989.6	2,747.6	18.3	19.5	23.31	-936.1	457.5	92.8	75.4	17.43	5.327		
3,100.0	2,878.1	3,089.6	2,835.5	19.1	20.4	23.28	-978.6	478.7	96.4	78.3	18.13	5.318		
3,200.0	2,967.6	3,189.5	2,923.4	20.0	21.2	23.24	-1,021.2	499.8	100.0	81.1	18.83	5.309		
3,300.0	3,057.1	3,289.4	3,011.3	20.8	22.1	23.21	-1,063.8	521.0	103.6	84.0	19.53	5.302		
3,400.0	3,146.5	3,389.4	3,099.2	21.6	23.0	23.19	-1,106.3	542.1	107.1	86.9	20.24	5.295		
3,500.0	3,236.0	3,489.3	3,187.1	22.4	23.8	23.16	-1,148.9	563.3	110.7	89.8	20.94	5.288		
3,600.0	3,325.5	3,589.3	3,275.0	23.2	24.7	23.14	-1,191.5	584.4	114.3	92.7	21.64	5.282		
3,700.0	3,415.0	3,689.2	3,362.9	24.0	25.6	23.11	-1,234.0	605.6	117.9	95.5	22.34	5.276		
3,800.0	3,504.5	3,789.1	3,450.8	24.8	26.4	23.09	-1,276.6	626.7	121.5	98.4	23.05	5.270		
3,900.0	3,594.0	3,889.1	3,538.7	25.6	27.3	23.07	-1,319.2	647.9	125.0	101.3	23.75	5.265		
4,000.0	3,683.5	3,989.0	3,626.7	26.5	28.2	23.05	-1,361.7	669.1	128.6	104.2	24.45	5.260		
4,100.0	3,773.0	4,088.9	3,714.6	27.3	29.0	23.03	-1,404.3	690.2	132.2	107.0	25.15	5.256		
4,200.0	3,862.5	4,188.9	3,802.5	28.1	29.9	23.02	-1,446.9	711.4	135.8	109.9	25.86	5.251		
4,300.0	3,952.0	4,288.8	3,890.4	28.9	30.8	23.00	-1,489.4	732.5	139.4	112.8	26.56	5.247		
4,400.0	4,041.5	4,388.7	3,978.3	29.7	31.6	22.98	-1,532.0	753.7	142.9	115.7	27.26	5.243		
4,500.0	4,131.0	4,488.7	4,066.2	30.5	32.5	22.97	-1,574.6	774.8	146.5	118.5	27.96	5.239		
4,600.0	4,220.5	4,588.6	4,154.1	31.3	33.4	22.96	-1,617.1	796.0	150.1	121.4	28.67	5.236		
4,700.0	4,310.0	4,688.5	4,242.0	32.2	34.2	22.94	-1,659.7	817.1	153.7	124.3	29.37	5.232		
4,800.0	4,399.5	4,788.5	4,329.9	33.0	35.1	22.93	-1,702.3	838.3	157.2	127.2	30.07	5.229		
4,900.0	4,489.0	4,888.4	4,417.8	33.8	35.9	22.92	-1,744.8	859.4	160.8	130.1	30.77	5.226		
5,000.0	4,578.5	4,988.4	4,505.7	34.6	36.8	22.90	-1,787.4	880.6	164.4	132.9	31.48	5.223		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13D-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		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)	Uncertainty Axis			
5,100.0	4,668.0	5,088.3	4,593.6	35.4	37.7	22.89	-1,830.0	901.7	168.0	135.8	32.18	5.220		
5,200.0	4,757.5	5,188.2	4,681.5	36.2	38.5	22.88	-1,872.5	922.9	171.6	138.7	32.88	5.217		
5,300.0	4,847.0	5,288.2	4,769.5	37.0	39.4	22.87	-1,915.1	944.0	175.1	141.6	33.59	5.215		
5,400.0	4,936.5	5,388.1	4,857.4	37.8	40.3	22.86	-1,957.7	965.2	178.7	144.4	34.29	5.212		
5,500.0	5,026.0	5,488.0	4,945.3	38.7	41.1	22.85	-2,000.2	986.4	182.3	147.3	34.99	5.210		
5,600.0	5,115.5	5,588.0	5,033.2	39.5	42.0	22.84	-2,042.8	1,007.5	185.9	150.2	35.69	5.208		
5,700.0	5,205.0	5,687.9	5,121.1	40.3	42.9	22.84	-2,085.4	1,028.7	189.5	153.1	36.40	5.205		
5,800.0	5,294.5	5,787.8	5,209.0	41.1	43.7	22.83	-2,127.9	1,049.8	193.0	155.9	37.10	5.203		
5,900.0	5,384.0	5,887.8	5,296.9	41.9	44.6	22.82	-2,170.5	1,071.0	196.6	158.8	37.80	5.201		
6,000.0	5,473.5	5,987.7	5,384.8	42.7	45.5	22.81	-2,213.1	1,092.1	200.2	161.7	38.51	5.199		
6,100.0	5,563.0	6,087.6	5,472.7	43.5	46.3	22.80	-2,255.6	1,113.3	203.8	164.6	39.21	5.197		
6,200.0	5,652.5	6,187.6	5,560.6	44.4	47.2	22.80	-2,298.2	1,134.4	207.4	167.4	39.91	5.196		
6,300.0	5,742.0	6,287.5	5,648.5	45.2	48.1	22.79	-2,340.8	1,155.6	210.9	170.3	40.61	5.194		
6,400.0	5,831.5	6,387.5	5,736.4	46.0	48.9	22.78	-2,383.3	1,176.7	214.5	173.2	41.32	5.192		
6,500.0	5,921.0	6,487.4	5,824.3	46.8	49.8	22.78	-2,425.9	1,197.9	218.1	176.1	42.02	5.190		
6,600.0	6,010.5	6,587.3	5,912.3	47.6	50.7	22.77	-2,468.5	1,219.0	221.7	179.0	42.72	5.189		
6,700.0	6,100.0	6,687.3	6,000.2	48.4	51.5	22.76	-2,511.0	1,240.2	225.3	181.8	43.43	5.187		
6,800.0	6,189.5	6,787.2	6,088.1	49.2	52.4	22.76	-2,553.6	1,261.4	228.8	184.7	44.13	5.186		
6,900.0	6,279.0	6,887.1	6,176.0	50.1	53.3	22.75	-2,596.2	1,282.5	232.4	187.6	44.83	5.184		
7,000.0	6,368.5	6,987.1	6,263.9	50.9	54.1	22.75	-2,638.7	1,303.7	236.0	190.5	45.53	5.183		
7,100.0	6,458.1	7,087.0	6,351.8	51.7	55.0	22.73	-2,681.3	1,324.8	239.9	193.7	46.20	5.193		
7,200.0	6,549.6	7,198.8	6,451.3	52.4	55.9	22.54	-2,726.8	1,347.4	245.6	199.0	46.60	5.270		
7,300.0	6,643.0	7,312.4	6,555.4	53.0	56.6	22.38	-2,767.7	1,367.7	250.5	203.6	46.94	5.338		
7,400.0	6,738.2	7,426.5	6,662.4	53.5	57.3	22.26	-2,803.0	1,385.3	254.8	207.6	47.24	5.393		
7,500.0	6,834.8	7,540.8	6,771.8	53.9	57.9	22.16	-2,832.7	1,400.0	258.3	210.8	47.50	5.438		
7,600.0	6,932.7	7,655.3	6,883.2	54.3	58.3	22.09	-2,856.5	1,411.9	261.1	213.3	47.71	5.471		
7,700.0	7,031.5	7,770.1	6,996.2	54.5	58.7	22.05	-2,874.2	1,420.7	263.0	215.1	47.88	5.493		
7,800.0	7,131.0	7,884.9	7,110.2	54.7	58.9	22.03	-2,885.9	1,426.5	264.2	216.2	48.01	5.503		
7,900.0	7,230.8	7,999.8	7,225.0	54.8	59.0	22.03	-2,891.4	1,429.2	264.6	216.5	48.09	5.502		
7,999.9	7,330.7	8,105.5	7,330.7	54.8	59.0	-58.64	-2,891.9	1,429.5	264.0	215.7	48.31	5.464		
8,000.0	7,330.8	8,105.6	7,330.8	54.8	59.0	-65.61	-2,891.9	1,429.5	264.6	216.3	48.23	5.485		
8,100.0	7,430.8	8,205.6	7,430.7	54.9	59.1	-65.61	-2,891.9	1,429.4	264.6	216.1	48.44	5.462		
8,200.0	7,530.8	8,305.6	7,530.7	54.9	59.1	-65.61	-2,892.0	1,429.4	264.6	215.9	48.64	5.439		
8,300.0	7,630.8	8,405.5	7,630.7	55.0	59.2	-65.61	-2,892.0	1,429.3	264.6	215.7	48.84	5.417		
8,400.0	7,730.8	8,505.5	7,730.6	55.0	59.2	-65.61	-2,892.1	1,429.1	264.6	215.5	49.05	5.394		
8,500.0	7,830.8	8,605.4	7,830.6	55.1	59.2	-65.61	-2,892.2	1,429.0	264.6	215.3	49.25	5.372		
8,600.0	7,930.8	8,705.4	7,930.5	55.1	59.3	-65.61	-2,892.4	1,428.8	264.6	215.2	49.46	5.350		
8,700.0	8,030.8	8,805.3	8,030.5	55.2	59.3	-65.62	-2,892.5	1,428.6	264.6	215.0	49.66	5.328		
8,800.0	8,130.8	8,905.3	8,130.4	55.2	59.4	-65.62	-2,892.7	1,428.3	264.6	214.8	49.87	5.307		
8,900.0	8,230.8	9,005.2	8,230.4	55.3	59.4	-65.62	-2,892.9	1,428.0	264.7	214.6	50.08	5.285		
9,000.0	8,330.8	9,105.2	8,330.3	55.3	59.5	-65.62	-2,893.1	1,427.7	264.7	214.4	50.28	5.264		
9,100.0	8,430.8	9,205.1	8,430.3	55.4	59.5	-65.62	-2,893.3	1,427.3	264.7	214.2	50.49	5.243		
9,200.0	8,530.8	9,305.1	8,530.2	55.4	59.6	-65.62	-2,893.6	1,426.9	264.7	214.0	50.70	5.222		
9,300.0	8,630.8	9,405.0	8,630.2	55.5	59.6	-65.62	-2,893.8	1,426.5	264.8	213.8	50.90	5.201		
9,400.0	8,730.8	9,505.0	8,730.1	55.5	59.7	-65.63	-2,894.1	1,426.1	264.8	213.7	51.11	5.180		
9,500.0	8,830.8	9,604.9	8,830.1	55.6	59.7	-65.63	-2,894.5	1,425.6	264.8	213.5	51.32	5.160		
9,600.0	8,930.8	9,704.9	8,930.0	55.6	59.8	-65.63	-2,894.8	1,425.1	264.8	213.3	51.53	5.140		
9,700.0	9,030.8	9,804.9	9,030.0	55.7	59.8	-65.63	-2,895.2	1,424.6	264.9	213.1	51.74	5.119		
9,800.0	9,130.8	9,904.9	9,130.0	55.7	59.9	-65.64	-2,895.5	1,424.0	264.9	213.0	51.94	5.100		
9,900.0	9,230.8	10,004.9	9,230.0	55.8	59.9	-65.66	-2,895.9	1,423.4	264.9	212.8	52.14	5.081		
10,000.0	9,330.8	10,104.9	9,330.0	55.8	60.0	-65.68	-2,896.3	1,422.9	264.9	212.6	52.33	5.063		
10,100.0	9,430.8	10,204.9	9,430.0	55.9	60.0	-65.70	-2,896.6	1,422.3	264.9	212.4	52.51	5.044		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13D-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		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)	Uncertainty Axis	Separation Factor		
10,200.0	9,530.8	10,304.9	9,530.0	55.9	60.1	-65.72	-2,897.0	1,421.8	264.9	212.2	52.70	5.026		
10,300.0	9,630.8	10,404.9	9,630.0	56.0	60.1	-65.75	-2,897.4	1,421.2	264.9	212.0	52.89	5.008		
10,400.0	9,730.8	10,504.9	9,730.0	56.1	60.2	-65.77	-2,897.7	1,420.7	264.9	211.8	53.08	4.990		
10,500.0	9,830.8	10,604.9	9,830.0	56.1	60.2	-65.79	-2,898.1	1,420.1	264.9	211.6	53.28	4.972		
10,600.0	9,930.8	10,704.9	9,930.0	56.2	60.3	-65.81	-2,898.5	1,419.6	264.9	211.4	53.47	4.953		
10,700.0	10,030.8	10,804.9	10,030.0	56.2	60.3	-65.84	-2,898.8	1,419.0	264.8	211.2	53.67	4.935		
10,800.0	10,130.8	10,904.9	10,130.0	56.3	60.4	-65.86	-2,899.2	1,418.5	264.8	211.0	53.86	4.917		
10,900.0	10,230.8	11,004.9	10,230.0	56.3	60.5	-65.88	-2,899.6	1,417.9	264.8	210.8	54.06	4.898		
11,000.0	10,330.8	11,104.9	10,330.0	56.4	60.5	-65.90	-2,899.9	1,417.3	264.8	210.6	54.27	4.880		
11,100.0	10,430.8	11,204.9	10,430.0	56.5	60.6	-65.93	-2,900.3	1,416.8	264.8	210.3	54.47	4.862		
11,200.0	10,530.8	11,304.9	10,530.0	56.5	60.6	-65.95	-2,900.7	1,416.2	264.8	210.1	54.67	4.843		
11,300.0	10,630.8	11,404.9	10,630.0	56.6	60.7	-65.97	-2,901.0	1,415.7	264.8	209.9	54.88	4.825		
11,400.0	10,730.8	11,504.9	10,730.0	56.6	60.7	-66.00	-2,901.4	1,415.1	264.8	209.7	55.09	4.807		
11,500.0	10,830.8	11,604.9	10,830.0	56.7	60.8	-66.02	-2,901.8	1,414.6	264.8	209.5	55.30	4.788		
11,600.0	10,930.8	11,704.9	10,930.0	56.8	60.9	-66.04	-2,902.1	1,414.0	264.8	209.3	55.51	4.770		
11,700.0	11,030.8	11,804.9	11,030.0	56.8	60.9	-66.06	-2,902.5	1,413.5	264.8	209.0	55.72	4.752		
11,800.0	11,130.7	11,904.9	11,130.0	56.9	61.0	-66.09	-2,902.9	1,412.9	264.8	208.8	55.93	4.734		
11,900.0	11,230.7	12,004.9	11,229.9	57.0	61.0	-66.11	-2,903.2	1,412.3	264.7	208.6	56.15	4.715		
12,000.0	11,330.7	12,104.9	11,329.9	57.0	61.1	-66.13	-2,903.6	1,411.8	264.7	208.4	56.36	4.697		
12,100.0	11,430.7	12,204.9	11,429.9	57.1	61.2	-66.15	-2,904.0	1,411.2	264.7	208.2	56.58	4.679		
12,200.0	11,530.7	12,304.9	11,529.9	57.2	61.2	-66.18	-2,904.3	1,410.7	264.7	207.9	56.80	4.661		
12,300.0	11,630.7	12,404.9	11,629.9	57.2	61.3	-66.20	-2,904.7	1,410.1	264.7	207.7	57.02	4.643		
12,400.0	11,730.7	12,504.9	11,729.9	57.3	61.4	-66.22	-2,905.1	1,409.6	264.7	207.5	57.24	4.625		
12,500.0	11,830.7	12,604.9	11,829.9	57.4	61.4	-66.25	-2,905.4	1,409.0	264.7	207.2	57.46	4.607		
12,600.0	11,930.7	12,704.9	11,929.9	57.4	61.5	-66.27	-2,905.8	1,408.5	264.7	207.0	57.69	4.589		
12,700.0	12,030.7	12,804.9	12,029.9	57.5	61.6	-66.29	-2,906.2	1,407.9	264.7	206.8	57.91	4.571		
12,800.0	12,130.7	12,904.9	12,129.9	57.6	61.6	-66.31	-2,906.5	1,407.4	264.7	206.5	58.14	4.553		
12,870.2	12,200.9	12,975.0	12,200.1	57.6	61.7	-66.33	-2,906.8	1,407.0	264.7	206.4	58.30	4.540		
12,900.0	12,230.7	13,000.0	12,225.1	57.6	61.7	-66.34	-2,906.9	1,406.8	264.7	206.4	58.36	4.536 SF		
13,000.0	12,330.7	13,000.0	12,225.1	57.7	61.7	-66.34	-2,906.9	1,406.8	284.7	226.2	58.49	4.867		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13E-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		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)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-164.10	-19.2	-5.5	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	-164.10	-19.2	-5.5	20.0	19.8	0.23	85.470		
200.0	200.0	200.0	200.0	0.3	0.3	-164.10	-19.2	-5.5	20.0	19.4	0.58	34.290		
300.0	300.0	300.0	300.0	0.5	0.5	-164.10	-19.2	-5.5	20.0	19.1	0.93	21.448 CC, ES		
400.0	400.0	399.1	399.1	0.6	0.6	-168.45	-21.6	-4.4	22.0	20.7	1.28	17.146		
500.0	500.0	497.9	497.6	0.8	0.9	33.28	-28.5	-1.2	26.5	24.8	1.64	16.146		
600.0	599.6	596.5	595.3	1.0	1.1	29.36	-40.1	4.1	31.2	29.2	2.01	15.542		
700.0	698.8	694.8	692.0	1.3	1.5	26.98	-56.2	11.4	36.1	33.7	2.39	15.089		
800.0	797.1	792.8	787.4	1.6	1.9	25.61	-76.7	20.8	41.1	38.3	2.80	14.666		
900.0	894.3	890.6	881.3	2.0	2.4	24.92	-101.6	32.2	46.1	42.9	3.24	14.215		
1,000.0	990.2	988.2	973.4	2.5	3.0	24.72	-130.8	45.5	51.1	47.4	3.73	13.704		
1,100.0	1,084.4	1,085.5	1,063.6	3.2	3.7	24.87	-164.1	60.8	56.2	51.9	4.28	13.121		
1,200.0	1,176.8	1,182.6	1,151.5	3.8	4.4	25.28	-201.4	77.8	61.2	56.3	4.91	12.467		
1,300.0	1,267.1	1,279.5	1,237.1	4.6	5.2	25.88	-242.7	96.7	66.2	60.6	5.63	11.768		
1,400.0	1,356.6	1,378.5	1,322.8	5.4	6.1	25.94	-287.7	117.3	73.1	66.7	6.36	11.484		
1,500.0	1,446.1	1,478.2	1,409.1	6.2	7.0	25.95	-333.3	138.1	80.0	72.9	7.11	11.265		
1,600.0	1,535.6	1,578.0	1,495.3	7.0	7.9	25.96	-378.8	158.9	87.0	79.2	7.86	11.077		
1,700.0	1,625.1	1,677.7	1,581.6	7.8	8.8	25.97	-424.4	179.8	94.0	85.4	8.61	10.914		
1,800.0	1,714.6	1,777.5	1,667.9	8.6	9.7	25.97	-469.9	200.6	101.0	91.6	9.37	10.773		
1,900.0	1,804.1	1,877.2	1,754.2	9.4	10.6	25.98	-515.5	221.4	107.9	97.8	10.14	10.649		
2,000.0	1,893.6	1,977.0	1,840.4	10.2	11.5	25.98	-561.0	242.2	114.9	104.0	10.90	10.540		
2,100.0	1,983.1	2,076.8	1,926.7	11.0	12.4	25.99	-606.6	263.1	121.9	110.2	11.67	10.443		
2,200.0	2,072.6	2,176.5	2,013.0	11.8	13.3	25.99	-652.1	283.9	128.9	116.4	12.44	10.357		
2,300.0	2,162.1	2,276.3	2,099.3	12.6	14.2	25.99	-697.7	304.7	135.8	122.6	13.21	10.280		
2,400.0	2,251.6	2,376.0	2,185.5	13.5	15.1	26.00	-743.2	325.5	142.8	128.8	13.99	10.210		
2,500.0	2,341.1	2,475.8	2,271.8	14.3	16.1	26.00	-788.7	346.4	149.8	135.0	14.76	10.147		
2,600.0	2,430.6	2,575.5	2,358.1	15.1	17.0	26.00	-834.3	367.2	156.7	141.2	15.53	10.090		
2,700.0	2,520.1	2,675.3	2,444.4	15.9	17.9	26.00	-879.8	388.0	163.7	147.4	16.31	10.037		
2,800.0	2,609.6	2,775.1	2,530.6	16.7	18.8	26.00	-925.4	408.8	170.7	153.6	17.09	9.989		
2,900.0	2,699.1	2,874.8	2,616.9	17.5	19.7	26.01	-970.9	429.6	177.7	159.8	17.86	9.945		
3,000.0	2,788.6	2,974.6	2,703.2	18.3	20.6	26.01	-1,016.5	450.5	184.6	166.0	18.64	9.905		
3,100.0	2,878.1	3,074.3	2,789.5	19.1	21.5	26.01	-1,062.0	471.3	191.6	172.2	19.42	9.867		
3,200.0	2,967.6	3,174.1	2,875.7	20.0	22.4	26.01	-1,107.6	492.1	198.6	178.4	20.20	9.832		
3,300.0	3,057.1	3,273.8	2,962.0	20.8	23.3	26.01	-1,153.1	512.9	205.6	184.6	20.98	9.800		
3,400.0	3,146.5	3,373.6	3,048.3	21.6	24.2	26.01	-1,198.7	533.8	212.5	190.8	21.75	9.769		
3,500.0	3,236.0	3,473.3	3,134.6	22.4	25.1	26.01	-1,244.2	554.6	219.5	197.0	22.53	9.741		
3,600.0	3,325.5	3,573.1	3,220.8	23.2	26.0	26.02	-1,289.7	575.4	226.5	203.2	23.31	9.714		
3,700.0	3,415.0	3,672.9	3,307.1	24.0	26.9	26.02	-1,335.3	596.2	233.4	209.4	24.09	9.689		
3,800.0	3,504.5	3,772.6	3,393.4	24.8	27.9	26.02	-1,380.8	617.1	240.4	215.5	24.87	9.666		
3,900.0	3,594.0	3,872.4	3,479.7	25.6	28.8	26.02	-1,426.4	637.9	247.4	221.7	25.65	9.644		
4,000.0	3,683.5	3,972.1	3,565.9	26.5	29.7	26.02	-1,471.9	658.7	254.4	227.9	26.43	9.623		
4,100.0	3,773.0	4,071.9	3,652.2	27.3	30.6	26.02	-1,517.5	679.5	261.3	234.1	27.21	9.603		
4,200.0	3,862.5	4,171.6	3,738.5	28.1	31.5	26.02	-1,563.0	700.3	268.3	240.3	27.99	9.585		
4,300.0	3,952.0	4,271.4	3,824.8	28.9	32.4	26.02	-1,608.6	721.2	275.3	246.5	28.77	9.567		
4,400.0	4,041.5	4,371.2	3,911.0	29.7	33.3	26.02	-1,654.1	742.0	282.3	252.7	29.55	9.550		
4,500.0	4,131.0	4,470.9	3,997.3	30.5	34.2	26.02	-1,699.7	762.8	289.2	258.9	30.34	9.534		
4,600.0	4,220.5	4,570.7	4,083.6	31.3	35.1	26.02	-1,745.2	783.6	296.2	265.1	31.12	9.519		
4,700.0	4,310.0	4,670.4	4,169.9	32.2	36.0	26.02	-1,790.7	804.5	303.2	271.3	31.90	9.505		
4,800.0	4,399.5	4,770.2	4,256.1	33.0	36.9	26.02	-1,836.3	825.3	310.1	277.5	32.68	9.491		
4,900.0	4,489.0	4,869.9	4,342.4	33.8	37.9	26.03	-1,881.8	846.1	317.1	283.7	33.46	9.478		
5,000.0	4,578.5	4,969.7	4,428.7	34.6	38.8	26.03	-1,927.4	866.9	324.1	289.9	34.24	9.465		
5,100.0	4,668.0	5,069.5	4,515.0	35.4	39.7	26.03	-1,972.9	887.8	331.1	296.0	35.02	9.453		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13E-03 H04 596 - DD - Plan #1												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	Total Uncertainty Axis	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)			
5,200.0	4,757.5	5,169.2	4,601.2	36.2	40.6	26.03	-2,018.5	908.6	338.0	302.2	35.80	9.441	
5,300.0	4,847.0	5,269.0	4,687.5	37.0	41.5	26.03	-2,064.0	929.4	345.0	308.4	36.59	9.430	
5,400.0	4,936.5	5,368.7	4,773.8	37.8	42.4	26.03	-2,109.6	950.2	352.0	314.6	37.37	9.420	
5,500.0	5,026.0	5,468.5	4,860.1	38.7	43.3	26.03	-2,155.1	971.1	359.0	320.8	38.15	9.410	
5,600.0	5,115.5	5,568.2	4,946.3	39.5	44.2	26.03	-2,200.7	991.9	365.9	327.0	38.93	9.400	
5,700.0	5,205.0	5,668.0	5,032.6	40.3	45.1	26.03	-2,246.2	1,012.7	372.9	333.2	39.71	9.390	
5,800.0	5,294.5	5,767.8	5,118.9	41.1	46.0	26.03	-2,291.7	1,033.5	379.9	339.4	40.49	9.381	
5,900.0	5,384.0	5,867.5	5,205.2	41.9	47.0	26.03	-2,337.3	1,054.3	386.8	345.6	41.27	9.373	
6,000.0	5,473.5	5,967.3	5,291.4	42.7	47.9	26.03	-2,382.8	1,075.2	393.8	351.8	42.06	9.364	
6,100.0	5,563.0	6,067.0	5,377.7	43.5	48.8	26.03	-2,428.4	1,096.0	400.8	358.0	42.84	9.356	
6,200.0	5,652.5	6,166.8	5,464.0	44.4	49.7	26.03	-2,473.9	1,116.8	407.8	364.1	43.62	9.348	
6,300.0	5,742.0	6,266.5	5,550.3	45.2	50.6	26.03	-2,519.5	1,137.6	414.7	370.3	44.40	9.341	
6,400.0	5,831.5	6,366.3	5,636.5	46.0	51.5	26.03	-2,565.0	1,158.5	421.7	376.5	45.18	9.333	
6,500.0	5,921.0	6,466.0	5,722.8	46.8	52.4	26.03	-2,610.6	1,179.3	428.7	382.7	45.97	9.326	
6,600.0	6,010.5	6,565.8	5,809.1	47.6	53.3	26.03	-2,656.1	1,200.1	435.7	388.9	46.75	9.319	
6,700.0	6,100.0	6,665.6	5,895.4	48.4	54.2	26.03	-2,701.7	1,220.9	442.6	395.1	47.53	9.313	
6,800.0	6,189.5	6,765.3	5,981.6	49.2	55.1	26.03	-2,747.2	1,241.8	449.6	401.3	48.31	9.306	
6,900.0	6,279.0	6,865.1	6,067.9	50.1	56.0	26.03	-2,792.7	1,262.6	456.6	407.5	49.09	9.300	
7,000.0	6,368.5	6,964.8	6,154.2	50.9	57.0	26.03	-2,838.3	1,283.4	463.5	413.7	49.88	9.294 SF	
7,100.0	6,458.1	7,064.6	6,240.4	51.7	57.9	26.05	-2,883.8	1,304.2	470.9	420.2	50.66	9.295	
7,200.0	6,549.6	7,169.2	6,331.0	52.4	58.8	25.94	-2,931.5	1,326.0	481.9	430.7	51.18	9.415	
7,300.0	6,643.0	7,299.2	6,446.3	53.0	59.9	25.72	-2,986.1	1,351.0	493.4	441.9	51.52	9.578	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF14C-04 H04 596 (was 15C-04) - DD - Plan #2													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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-72.10	3.0	-9.4	9.9					
100.0	100.0	100.0	100.0	0.1	0.1	-72.10	3.0	-9.4	9.9	9.6	0.23	42.176		
200.0	200.0	200.0	200.0	0.3	0.3	-72.10	3.0	-9.4	9.9	9.3	0.58	16.921		
300.0	300.0	300.0	300.0	0.5	0.5	-72.10	3.0	-9.4	9.9	8.9	0.93	10.584		
400.0	400.0	400.0	400.0	0.6	0.6	-72.10	3.0	-9.4	9.9	8.6	1.28	7.700 CC, ES		
500.0	500.0	500.0	500.0	0.8	0.8	143.96	2.9	-9.4	11.9	10.2	1.63	7.268 SF		
600.0	599.6	599.9	599.9	1.0	1.0	146.37	-0.9	-10.5	17.5	15.5	1.99	8.790		
700.0	698.8	699.5	699.0	1.3	1.2	142.49	-9.4	-13.5	27.1	24.7	2.40	11.265		
800.0	797.1	798.3	796.8	1.6	1.5	137.87	-22.5	-18.8	41.0	38.1	2.92	14.072		
900.0	894.3	896.2	892.9	2.0	1.8	134.00	-39.8	-26.2	59.5	56.0	3.56	16.703		
1,000.0	990.2	992.8	986.6	2.5	2.2	130.94	-61.3	-35.7	82.5	78.2	4.36	18.930		
1,100.0	1,084.4	1,087.9	1,077.5	3.2	2.7	128.48	-86.5	-47.0	109.9	104.6	5.30	20.730		
1,200.0	1,176.8	1,181.3	1,165.4	3.8	3.2	126.43	-115.2	-60.1	141.5	135.2	6.38	22.170		
1,300.0	1,267.1	1,272.7	1,249.8	4.6	3.9	124.80	-147.0	-74.7	177.3	169.7	7.59	23.348		
1,400.0	1,356.6	1,362.6	1,331.1	5.4	4.6	123.46	-181.8	-90.8	215.2	206.3	8.89	24.217		
1,500.0	1,446.1	1,454.3	1,412.9	6.2	5.3	121.91	-219.3	-108.2	254.0	243.7	10.24	24.802		
1,600.0	1,535.6	1,546.2	1,495.0	7.0	6.0	120.75	-257.0	-125.7	292.9	281.3	11.60	25.245		
1,700.0	1,625.1	1,638.2	1,577.1	7.8	6.7	119.87	-294.6	-143.2	331.9	318.9	12.97	25.590		
1,800.0	1,714.6	1,730.2	1,659.2	8.6	7.5	119.17	-332.3	-160.7	370.9	356.6	14.34	25.867		
1,900.0	1,804.1	1,822.2	1,741.2	9.4	8.2	118.60	-369.9	-178.2	410.0	394.3	15.71	26.093		
2,000.0	1,893.6	1,914.2	1,823.3	10.2	9.0	118.14	-407.6	-195.7	449.1	432.0	17.09	26.282		
2,100.0	1,983.1	2,006.1	1,905.4	11.0	9.7	117.74	-445.2	-213.2	488.2	469.7	18.46	26.441		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance					Separation Factor	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)	Total Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	15.31	48.6	13.3	50.3					
100.0	100.0	100.0	100.0	0.1	0.1	15.31	48.6	13.3	50.3	50.1	0.23	215.273		
200.0	200.0	200.0	200.0	0.3	0.3	15.31	48.6	13.3	50.3	49.8	0.58	86.367		
300.0	300.0	300.0	300.0	0.5	0.5	15.31	48.6	13.3	50.3	49.4	0.93	54.020 CC		
400.0	400.0	399.7	399.6	0.6	0.6	18.24	48.1	15.9	50.7	49.4	1.28	39.430 ES		
500.0	500.0	498.9	498.6	0.8	0.9	-127.43	46.8	23.5	53.9	52.2	1.67	32.223		
600.0	599.6	598.6	597.4	1.0	1.1	-121.23	43.7	35.9	61.3	59.2	2.13	28.809		
700.0	698.8	697.7	694.9	1.3	1.5	-115.89	37.9	52.6	72.0	69.3	2.69	26.730		
800.0	797.1	796.1	790.7	1.6	1.9	-111.64	29.7	73.5	85.8	82.4	3.40	25.251		
900.0	894.3	893.8	884.5	2.0	2.4	-108.36	18.9	98.4	102.6	98.3	4.26	24.079		
1,000.0	990.2	990.6	976.0	2.5	3.0	-105.85	5.9	127.0	122.1	116.8	5.28	23.107		
1,100.0	1,084.4	1,086.4	1,065.0	3.2	3.7	-103.92	-9.4	159.3	144.2	137.7	6.47	22.288		
1,200.0	1,176.8	1,181.3	1,151.2	3.8	4.5	-102.38	-26.9	194.9	168.8	161.0	7.82	21.594		
1,300.0	1,267.1	1,275.2	1,234.4	4.6	5.3	-101.25	-46.4	233.7	195.8	186.5	9.32	21.020		
1,400.0	1,356.6	1,368.1	1,314.6	5.4	6.2	-100.20	-67.7	275.4	224.4	213.5	10.90	20.590		
1,500.0	1,446.1	1,459.7	1,391.3	6.2	7.2	-98.39	-90.8	319.8	254.6	242.0	12.52	20.330		
1,600.0	1,535.6	1,552.6	1,467.3	7.0	8.3	-96.24	-115.7	367.3	286.1	272.0	14.15	20.219		
1,700.0	1,625.1	1,647.0	1,544.2	7.8	9.3	-94.45	-141.1	415.6	318.1	302.3	15.78	20.156		
1,800.0	1,714.6	1,741.3	1,621.0	8.6	10.4	-92.97	-166.6	464.0	350.3	332.9	17.40	20.127		
1,900.0	1,804.1	1,835.6	1,697.9	9.4	11.5	-91.75	-192.0	512.4	382.6	363.6	19.02	20.118 SF		
2,000.0	1,893.6	1,930.0	1,774.8	10.2	12.5	-90.72	-217.4	560.7	415.1	394.5	20.63	20.123		
2,100.0	1,983.1	2,024.3	1,851.7	11.0	13.6	-89.83	-242.9	609.1	447.7	425.5	22.24	20.135		
2,200.0	2,072.6	2,118.6	1,928.6	11.8	14.7	-89.07	-268.3	657.5	480.4	456.6	23.84	20.152		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15A-04 H04 596 - DD - Plan #1													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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-11.91	22.3	-4.7	22.7					
100.0	100.0	100.0	100.0	0.1	0.1	-11.91	22.3	-4.7	22.7	22.5	0.23	97.273		
200.0	200.0	200.0	200.0	0.3	0.3	-11.91	22.3	-4.7	22.7	22.2	0.58	39.026		
300.0	300.0	300.0	300.0	0.5	0.5	-11.91	22.3	-4.7	22.7	21.8	0.93	24.409		
400.0	400.0	400.0	400.0	0.6	0.6	-11.91	22.3	-4.7	22.7	21.5	1.28	17.758 CC, ES		
500.0	500.0	500.0	500.0	0.8	0.8	-165.47	22.3	-4.7	25.3	23.6	1.63	15.514 SF		
600.0	599.6	600.7	600.7	1.0	1.0	-172.43	19.9	-6.0	31.2	29.2	1.98	15.761		
700.0	698.8	701.2	700.8	1.3	1.2	176.26	13.0	-9.9	39.8	37.5	2.34	17.001		
800.0	797.1	800.9	799.6	1.6	1.4	164.87	1.6	-16.3	52.7	49.9	2.77	19.020		
900.0	894.3	899.5	896.5	2.0	1.8	155.45	-14.0	-25.1	70.6	67.3	3.33	21.225		
1,000.0	990.2	996.6	991.1	2.5	2.2	148.21	-33.7	-36.1	93.8	89.7	4.05	23.173		
1,100.0	1,084.4	1,092.1	1,082.6	3.2	2.6	142.71	-57.1	-49.3	122.0	117.1	4.93	24.749		
1,200.0	1,176.8	1,185.6	1,170.9	3.8	3.2	138.43	-83.9	-64.3	155.0	149.0	5.96	26.002		
1,300.0	1,267.1	1,277.3	1,256.0	4.6	3.8	135.17	-113.6	-81.0	192.5	185.4	7.10	27.110		
1,400.0	1,356.6	1,369.1	1,340.9	5.4	4.4	133.46	-144.4	-98.3	231.5	223.2	8.29	27.942		
1,500.0	1,446.1	1,461.0	1,425.7	6.2	5.0	132.24	-175.1	-115.6	270.7	261.2	9.49	28.538		
1,600.0	1,535.6	1,552.9	1,510.5	7.0	5.6	131.32	-205.9	-132.8	310.0	299.3	10.70	28.982		
1,700.0	1,625.1	1,644.7	1,595.4	7.8	6.2	130.61	-236.6	-150.1	349.3	337.4	11.91	29.323		
1,800.0	1,714.6	1,736.6	1,680.2	8.6	6.9	130.05	-267.4	-167.4	388.6	375.5	13.13	29.593		
1,900.0	1,804.1	1,828.5	1,765.0	9.4	7.5	129.59	-298.1	-184.6	428.0	413.7	14.36	29.811		
2,000.0	1,893.6	1,920.3	1,849.9	10.2	8.1	129.20	-328.8	-201.9	467.4	451.8	15.59	29.990		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15B-03 H04 596 (was 10E-03) - DD - Plan #2													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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	4.42	50.6	3.9	50.7					
100.0	100.0	100.0	100.0	0.1	0.1	4.42	50.6	3.9	50.7	50.5	0.23	216.927		
200.0	200.0	200.0	200.0	0.3	0.3	4.42	50.6	3.9	50.7	50.2	0.58	87.031		
300.0	300.0	300.0	300.0	0.5	0.5	4.42	50.6	3.9	50.7	49.8	0.93	54.435		
400.0	400.0	400.6	400.6	0.6	0.6	5.11	50.2	4.5	50.4	49.2	1.28	39.334		
448.7	448.7	449.7	449.7	0.7	0.7	-145.22	49.3	6.2	50.2	48.7	1.46	34.368 CC, ES		
500.0	500.0	501.6	501.4	0.8	0.8	-142.98	47.5	9.1	50.5	48.8	1.65	30.637		
600.0	599.6	602.3	601.6	1.0	1.1	-137.37	42.2	18.3	53.2	51.1	2.07	25.699		
700.0	698.8	702.6	700.6	1.3	1.4	-131.00	34.2	31.9	58.8	56.2	2.60	22.642		
800.0	797.1	802.4	798.1	1.6	1.8	-124.88	23.7	49.9	67.7	64.4	3.28	20.629		
900.0	894.3	901.5	893.9	2.0	2.2	-119.61	10.7	72.2	79.8	75.6	4.14	19.270		
1,000.0	990.2	1,000.0	987.5	2.5	2.8	-115.32	-4.7	98.5	95.0	89.8	5.18	18.345		
1,100.0	1,084.4	1,097.5	1,078.6	3.2	3.5	-111.93	-22.3	128.6	113.2	106.8	6.39	17.712		
1,200.0	1,176.8	1,194.2	1,167.0	3.8	4.2	-109.26	-42.1	162.4	134.2	126.4	7.77	17.268		
1,300.0	1,267.1	1,289.9	1,252.5	4.6	5.0	-107.21	-63.8	199.6	157.8	148.5	9.30	16.966		
1,400.0	1,356.6	1,384.7	1,334.8	5.4	6.0	-105.18	-87.5	240.0	183.0	172.1	10.93	16.748		
1,500.0	1,446.1	1,478.2	1,413.7	6.2	6.9	-102.40	-112.8	283.3	209.7	197.1	12.62	16.621 SF		
1,600.0	1,535.6	1,569.9	1,488.6	7.0	8.0	-99.20	-139.5	329.0	238.3	223.9	14.33	16.629		
1,700.0	1,625.1	1,659.6	1,559.4	7.8	9.1	-95.84	-167.3	376.5	269.1	253.1	16.00	16.815		
1,800.0	1,714.6	1,752.7	1,631.3	8.6	10.3	-92.62	-197.2	427.5	301.7	284.0	17.66	17.080		
1,900.0	1,804.1	1,846.0	1,703.5	9.4	11.4	-90.01	-227.0	478.6	335.0	315.7	19.28	17.372		
2,000.0	1,893.6	1,939.3	1,775.6	10.2	12.6	-87.87	-256.9	529.7	368.8	347.9	20.87	17.667		
2,100.0	1,983.1	2,032.6	1,847.7	11.0	13.8	-86.09	-286.8	580.8	403.0	380.5	22.44	17.956		
2,200.0	2,072.6	2,125.9	1,919.8	11.8	15.0	-84.58	-316.7	631.9	437.5	413.5	24.00	18.230		
2,300.0	2,162.1	2,219.1	1,991.9	12.6	16.1	-83.30	-346.5	683.0	472.2	446.6	25.54	18.490		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15B-04 H04 596 - DD - Plan #1													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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-30.11	12.1	-7.0	14.0					
100.0	100.0	100.0	100.0	0.1	0.1	-30.11	12.1	-7.0	14.0	13.8	0.23	60.012		
200.0	200.0	200.0	200.0	0.3	0.3	-30.11	12.1	-7.0	14.0	13.5	0.58	24.077		
300.0	300.0	300.0	300.0	0.5	0.5	-30.11	12.1	-7.0	14.0	13.1	0.93	15.059		
400.0	400.0	400.2	400.1	0.6	0.6	-40.75	10.1	-8.7	13.4	12.1	1.29	10.409		
412.5	412.5	412.7	412.6	0.7	0.7	164.40	9.6	-9.2	13.3	12.0	1.34	9.979 CC, ES		
500.0	500.0	499.8	499.5	0.8	0.9	141.30	4.2	-13.8	16.4	14.7	1.67	9.783 SF		
600.0	599.6	598.5	597.3	1.0	1.1	125.07	-5.6	-22.1	27.3	25.2	2.10	13.021		
700.0	698.8	695.8	693.0	1.3	1.5	118.89	-19.1	-33.4	44.9	42.3	2.60	17.255		
800.0	797.1	791.3	785.9	1.6	1.9	116.58	-35.9	-47.6	68.2	65.0	3.21	21.249		
900.0	894.3	884.5	875.4	2.0	2.4	115.62	-55.6	-64.3	96.8	92.9	3.93	24.632		
1,000.0	990.2	975.7	961.7	2.5	2.9	115.13	-78.2	-83.4	130.6	125.8	4.76	27.427		
1,100.0	1,084.4	1,071.6	1,051.3	3.2	3.5	114.66	-105.9	-103.5	166.6	160.8	5.77	28.886		
1,200.0	1,176.8	1,168.2	1,140.4	3.8	4.2	114.09	-138.1	-121.9	203.0	196.1	6.92	29.350		
1,300.0	1,267.1	1,261.8	1,226.0	4.6	4.8	113.95	-172.2	-138.4	240.2	232.0	8.15	29.481		
1,400.0	1,356.6	1,354.2	1,310.5	5.4	5.5	114.85	-205.9	-154.8	278.0	268.6	9.42	29.507		
1,500.0	1,446.1	1,446.7	1,395.0	6.2	6.2	115.54	-239.7	-171.1	316.0	305.3	10.71	29.507		
1,600.0	1,535.6	1,539.2	1,479.5	7.0	6.8	116.08	-273.5	-187.4	353.9	341.9	12.00	29.496		
1,700.0	1,625.1	1,631.6	1,564.1	7.8	7.5	116.52	-307.3	-203.8	391.9	378.6	13.29	29.479		
1,800.0	1,714.6	1,724.1	1,648.6	8.6	8.2	116.88	-341.1	-220.1	429.9	415.3	14.59	29.462		
1,900.0	1,804.1	1,816.6	1,733.1	9.4	8.9	117.18	-374.8	-236.4	467.9	452.0	15.89	29.443		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15D-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total	Separation	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)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-119.58	-7.1	-12.5	14.4					
100.0	100.0	100.0	100.0	0.1	0.1	-119.58	-7.1	-12.5	14.4	14.2	0.23	61.536		
200.0	200.0	200.0	200.0	0.3	0.3	-119.58	-7.1	-12.5	14.4	13.8	0.58	24.688		
300.0	300.0	300.0	300.0	0.5	0.5	-119.58	-7.1	-12.5	14.4	13.5	0.93	15.442		
400.0	400.0	400.0	400.0	0.6	0.6	-119.58	-7.1	-12.5	14.4	13.1	1.28	11.234		
438.2	438.2	438.2	438.2	0.7	0.7	90.00	-7.1	-12.5	14.4	13.0	1.42	10.160 CC, ES		
500.0	500.0	499.7	499.7	0.8	0.8	96.96	-7.7	-12.8	15.0	13.4	1.63	9.180 SF		
600.0	599.6	598.9	598.8	1.0	1.0	108.52	-12.4	-14.8	20.0	18.0	2.02	9.915		
700.0	698.8	697.8	697.1	1.3	1.2	115.25	-21.8	-18.9	30.0	27.5	2.47	12.145		
800.0	797.1	795.9	794.0	1.6	1.5	118.16	-35.8	-24.9	44.7	41.6	3.03	14.750		
900.0	894.3	893.0	889.1	2.0	1.9	119.16	-54.1	-32.8	63.8	60.0	3.72	17.160		
1,000.0	990.2	989.0	981.8	2.5	2.3	119.28	-76.4	-42.5	87.1	82.6	4.54	19.173		
1,100.0	1,084.4	1,083.4	1,071.8	3.2	2.8	118.97	-102.6	-53.8	114.6	109.1	5.51	20.784		
1,200.0	1,176.8	1,176.4	1,159.0	3.8	3.4	118.42	-132.4	-66.7	146.1	139.4	6.62	22.075		
1,300.0	1,267.1	1,267.9	1,243.2	4.6	4.0	117.86	-165.5	-80.7	181.1	173.2	7.85	23.058		
1,400.0	1,356.6	1,358.2	1,324.4	5.4	4.7	117.30	-201.9	-95.8	218.2	209.0	9.19	23.743		
1,500.0	1,446.1	1,448.7	1,404.0	6.2	5.5	116.00	-241.6	-112.2	256.4	245.8	10.58	24.240		
1,600.0	1,535.6	1,540.8	1,484.8	7.0	6.3	114.88	-282.7	-129.0	295.0	283.0	11.99	24.600		
1,700.0	1,625.1	1,633.0	1,565.5	7.8	7.0	114.01	-323.7	-145.9	333.6	320.2	13.41	24.879		
1,800.0	1,714.6	1,725.1	1,646.3	8.6	7.8	113.33	-364.7	-162.7	372.3	357.4	14.83	25.102		
1,900.0	1,804.1	1,817.2	1,727.0	9.4	8.6	112.77	-405.7	-179.6	411.0	394.7	16.25	25.284		
2,000.0	1,893.6	1,909.4	1,807.8	10.2	9.4	112.31	-446.7	-196.5	449.7	432.0	17.68	25.435		
2,100.0	1,983.1	2,001.5	1,888.6	11.0	10.2	111.92	-487.8	-213.3	488.5	469.4	19.11	25.563		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15E-04 H04 596 - DD - Plan #1													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	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-137.45	-16.2	-14.9	22.0					
100.0	100.0	100.0	100.0	0.1	0.1	-137.45	-16.2	-14.9	22.0	21.7	0.23	93.968		
133.4	133.4	133.4	133.4	0.2	0.2	-137.45	-16.2	-14.9	22.0	21.6	0.35	62.724	CC, ES	
200.0	200.0	199.4	199.4	0.3	0.3	-137.80	-16.7	-15.2	22.6	22.0	0.58	38.825		
300.0	300.0	298.0	297.9	0.5	0.5	-140.03	-21.2	-17.7	27.7	26.7	0.94	29.489		
400.0	400.0	395.9	395.2	0.6	0.7	-142.69	-29.9	-22.8	37.9	36.6	1.31	28.883	SF	
500.0	500.0	492.6	490.8	0.8	1.1	65.46	-42.7	-30.2	52.0	50.4	1.63	31.966		
600.0	599.6	588.1	584.2	1.0	1.4	68.59	-59.5	-39.9	69.1	67.1	2.01	34.332		
700.0	698.8	682.0	675.1	1.3	1.9	72.56	-79.9	-51.7	89.4	87.0	2.48	36.133		
800.0	797.1	774.1	763.0	1.6	2.4	76.45	-103.7	-65.4	113.4	110.4	3.06	37.081		
900.0	894.3	864.1	847.6	2.0	3.0	79.88	-130.5	-80.8	141.2	137.4	3.79	37.299		
1,000.0	990.2	952.0	928.6	2.5	3.6	82.76	-159.9	-97.8	172.9	168.2	4.66	37.113		
1,100.0	1,084.4	1,041.5	1,009.6	3.2	4.4	85.13	-193.2	-116.3	207.8	202.1	5.71	36.416		
1,200.0	1,176.8	1,133.1	1,091.2	3.8	5.1	86.77	-231.1	-133.8	243.6	236.7	6.92	35.187		
1,300.0	1,267.1	1,225.1	1,171.6	4.6	5.9	88.08	-272.8	-149.7	280.0	271.7	8.28	33.818		
1,400.0	1,356.6	1,317.7	1,252.2	5.4	6.7	89.99	-315.7	-165.4	316.7	307.0	9.72	32.582		
1,500.0	1,446.1	1,410.3	1,332.7	6.2	7.5	91.51	-358.5	-181.0	353.6	342.4	11.17	31.652		
1,600.0	1,535.6	1,502.8	1,413.3	7.0	8.3	92.74	-401.3	-196.6	390.7	378.1	12.63	30.934		
1,700.0	1,625.1	1,595.4	1,493.8	7.8	9.2	93.76	-444.1	-212.2	428.0	413.9	14.09	30.366		
1,800.0	1,714.6	1,687.9	1,574.4	8.6	10.0	94.61	-487.0	-227.9	465.3	449.8	15.56	29.907		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF13C-03 H04 596
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF13C-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 8293.0ft (Original Well Elev)
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.00 W °

Coordinates are relative to: UWF13C-03 H04 596
Coordinate System is US State Plane 1983, Colorado Central Zone
Grid Convergence at Surface is: -1.68°

