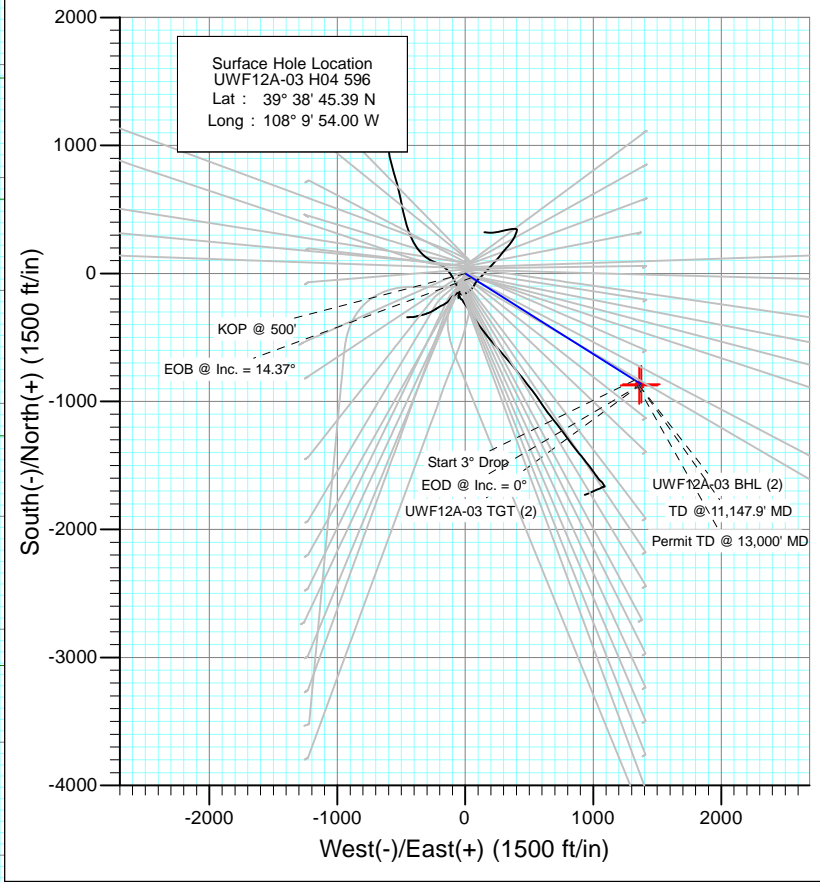


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	979.1	14.37	122.18	974.1	-31.8	50.6	3.00	122.18	59.8	
4	7041.7	14.37	122.18	6846.9	-833.4	1324.4	0.00	0.00	1564.5	
5	7520.8	0.00	0.00	7321.0	-865.2	1375.0	3.00	180.00	1624.3	UWF12A-03 TGT (2)
6	9534.5	0.43	239.62	9334.7	-869.0	1368.5	0.02	239.62	1620.9	
7	11147.9	0.43	239.62	10948.0	-875.2	1358.0	0.00	0.00	1615.5	UWF12A-03 BHL (2)
8	13000.0	0.43	239.62	12800.1	-882.2	1346.0	0.00	0.00	1609.3	



Azimuths to True North
 Magnetic North: 10.34°
 Magnetic Field
 Strength: 52205.8snT
 Dip Angle: 65.81°
 Date: 4/19/2012
 Model: IGRF2010

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1086.0	1094.6	A GROOVE
1242.0	1255.7	B GROOVE
1282.0	1297.0	B GROOVE BASE
2119.0	2161.0	GARDEN GULCH
3192.0	3268.7	WASATCH FM
5286.0	5430.3	WASATCH G
7321.0	7520.8	WILLIAMS FORK
10948.0	11147.9	ROLLINS
11194.0	11393.9	COZZETTE
11367.0	11566.9	CORCORAN
11665.0	11864.9	UPPER SEGO

Plan #2
 UWF12A-03 H04 596
 WELL @ 8293.0ft (Original Well Elev)
 North American Datum 1983
 Well UWF12A-03 H04 596, True North

Type TD	Target No Target (Freehand)	Azimuth 123.24	Origin Type Slot	N/S 0.0	E/W 0.0	From TVD 0.0
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	
UWF12A-03 TGT (2)	7321.0	-865.2	1375.0	39° 38' 36.84 N	108° 9' 36.42 W	
UWF12A-03 BHL (2)	10948.0	-875.2	1358.0	39° 38' 36.74 N	108° 9' 36.64 W	

Cathedral Energy Services

Planning Report

Database: USA EDM 5000 Multi Users DB	Local Co-ordinate Reference: Well UWF12A-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: UWF12A-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 UWF12A-03 H04 596					
Well Position	+N/-S	0.0 ft	Northing:	1,671,172.85 ft	Latitude: 39° 38' 45.39 N
	+E/-W	0.0 ft	Easting:	2,249,650.05 ft	Longitude: 108° 9' 54.00 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
	IGRF2010	4/19/2012	(°)	(°)	(nT)
			10.34	65.81	52,206

Design Plan #2				
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	123.24

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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
979.1	14.37	122.18	974.1	-31.8	50.6	3.00	3.00	0.00	122.18	
7,041.7	14.37	122.18	6,846.9	-833.4	1,324.4	0.00	0.00	0.00	0.00	
7,520.8	0.00	0.00	7,321.0	-865.2	1,375.0	3.00	-3.00	0.00	180.00	UWF12A-03 TGT (2)
9,534.5	0.43	239.62	9,334.7	-869.0	1,368.5	0.02	0.02	-5.98	239.62	
11,147.9	0.43	239.62	10,948.0	-875.2	1,358.0	0.00	0.00	0.00	0.00	UWF12A-03 BHL (2)
13,000.0	0.43	239.62	12,800.1	-882.2	1,346.0	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 UWF12A-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:	UWF12A-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	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	KOP @ 500'
600.0	3.00	122.18	600.0	-1.4	2.2	2.6	3.00	3.00	
700.0	6.00	122.18	699.6	-5.6	8.9	10.5	3.00	3.00	
800.0	9.00	122.18	798.8	-12.5	19.9	23.5	3.00	3.00	
900.0	12.00	122.18	897.1	-22.2	35.3	41.7	3.00	3.00	
979.1	14.37	122.18	974.1	-31.8	50.6	59.8	3.00	3.00	EOB @ Inc. = 14.37°
1,000.0	14.37	122.18	994.3	-34.6	55.0	65.0	0.00	0.00	
1,094.6	14.37	122.18	1,086.0	-47.1	74.9	88.4	0.00	0.00	A GROOVE
1,100.0	14.37	122.18	1,091.2	-47.8	76.0	89.8	0.00	0.00	
1,200.0	14.37	122.18	1,188.1	-61.0	97.0	114.6	0.00	0.00	
1,255.7	14.37	122.18	1,242.0	-68.4	108.7	128.4	0.00	0.00	B GROOVE
1,297.0	14.37	122.18	1,282.0	-73.9	117.4	138.7	0.00	0.00	B GROOVE BASE
1,300.0	14.37	122.18	1,284.9	-74.3	118.0	139.4	0.00	0.00	
1,400.0	14.37	122.18	1,381.8	-87.5	139.0	164.2	0.00	0.00	
1,500.0	14.37	122.18	1,478.7	-100.7	160.0	189.1	0.00	0.00	
1,600.0	14.37	122.18	1,575.6	-113.9	181.1	213.9	0.00	0.00	
1,700.0	14.37	122.18	1,672.4	-127.1	202.1	238.7	0.00	0.00	
1,800.0	14.37	122.18	1,769.3	-140.4	223.1	263.5	0.00	0.00	
1,900.0	14.37	122.18	1,866.2	-153.6	244.1	288.3	0.00	0.00	
2,000.0	14.37	122.18	1,963.0	-166.8	265.1	313.2	0.00	0.00	
2,100.0	14.37	122.18	2,059.9	-180.0	286.1	338.0	0.00	0.00	
2,161.0	14.37	122.18	2,119.0	-188.1	298.9	353.1	0.00	0.00	GARDEN GULCH
2,200.0	14.37	122.18	2,156.8	-193.2	307.1	362.8	0.00	0.00	
2,300.0	14.37	122.18	2,253.6	-206.5	328.1	387.6	0.00	0.00	
2,400.0	14.37	122.18	2,350.5	-219.7	349.1	412.4	0.00	0.00	
2,500.0	14.37	122.18	2,447.4	-232.9	370.2	437.3	0.00	0.00	
2,600.0	14.37	122.18	2,544.3	-246.1	391.2	462.1	0.00	0.00	
2,700.0	14.37	122.18	2,641.1	-259.4	412.2	486.9	0.00	0.00	
2,800.0	14.37	122.18	2,738.0	-272.6	433.2	511.7	0.00	0.00	
2,900.0	14.37	122.18	2,834.9	-285.8	454.2	536.5	0.00	0.00	
3,000.0	14.37	122.18	2,931.7	-299.0	475.2	561.4	0.00	0.00	
3,100.0	14.37	122.18	3,028.6	-312.2	496.2	586.2	0.00	0.00	
3,200.0	14.37	122.18	3,125.5	-325.5	517.2	611.0	0.00	0.00	
3,268.7	14.37	122.18	3,192.0	-334.5	531.7	628.0	0.00	0.00	WASATCH FM
3,300.0	14.37	122.18	3,222.3	-338.7	538.2	635.8	0.00	0.00	
3,400.0	14.37	122.18	3,319.2	-351.9	559.2	660.6	0.00	0.00	
3,500.0	14.37	122.18	3,416.1	-365.1	580.3	685.5	0.00	0.00	
3,600.0	14.37	122.18	3,513.0	-378.3	601.3	710.3	0.00	0.00	
3,700.0	14.37	122.18	3,609.8	-391.6	622.3	735.1	0.00	0.00	
3,800.0	14.37	122.18	3,706.7	-404.8	643.3	759.9	0.00	0.00	
3,900.0	14.37	122.18	3,803.6	-418.0	664.3	784.7	0.00	0.00	
4,000.0	14.37	122.18	3,900.4	-431.2	685.3	809.6	0.00	0.00	
4,100.0	14.37	122.18	3,997.3	-444.4	706.3	834.4	0.00	0.00	
4,200.0	14.37	122.18	4,094.2	-457.7	727.3	859.2	0.00	0.00	
4,300.0	14.37	122.18	4,191.0	-470.9	748.3	884.0	0.00	0.00	
4,400.0	14.37	122.18	4,287.9	-484.1	769.4	908.8	0.00	0.00	
4,500.0	14.37	122.18	4,384.8	-497.3	790.4	933.7	0.00	0.00	

Cathedral Energy Services

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: North Piceance
Site: H04 596 Pad
Well: UWF12A-03 H04 596
Wellbore: DD
Design: Plan #2

Local Co-ordinate Reference: Well UWF12A-03 H04 596
TVD Reference: WELL @ 8293.0ft (Original Well Elev)
MD Reference: WELL @ 8293.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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	14.37	122.18	4,481.6	-510.6	811.4	958.5	0.00	0.00	
4,700.0	14.37	122.18	4,578.5	-523.8	832.4	983.3	0.00	0.00	
4,800.0	14.37	122.18	4,675.4	-537.0	853.4	1,008.1	0.00	0.00	
4,900.0	14.37	122.18	4,772.3	-550.2	874.4	1,032.9	0.00	0.00	
5,000.0	14.37	122.18	4,869.1	-563.4	895.4	1,057.8	0.00	0.00	
5,100.0	14.37	122.18	4,966.0	-576.7	916.4	1,082.6	0.00	0.00	
5,200.0	14.37	122.18	5,062.9	-589.9	937.4	1,107.4	0.00	0.00	
5,300.0	14.37	122.18	5,159.7	-603.1	958.5	1,132.2	0.00	0.00	
5,400.0	14.37	122.18	5,256.6	-616.3	979.5	1,157.0	0.00	0.00	
5,430.3	14.37	122.18	5,286.0	-620.3	985.8	1,164.6	0.00	0.00	WASATCH G
5,500.0	14.37	122.18	5,353.5	-629.5	1,000.5	1,181.9	0.00	0.00	
5,600.0	14.37	122.18	5,450.3	-642.8	1,021.5	1,206.7	0.00	0.00	
5,700.0	14.37	122.18	5,547.2	-656.0	1,042.5	1,231.5	0.00	0.00	
5,800.0	14.37	122.18	5,644.1	-669.2	1,063.5	1,256.3	0.00	0.00	
5,900.0	14.37	122.18	5,741.0	-682.4	1,084.5	1,281.1	0.00	0.00	
6,000.0	14.37	122.18	5,837.8	-695.6	1,105.5	1,306.0	0.00	0.00	
6,100.0	14.37	122.18	5,934.7	-708.9	1,126.5	1,330.8	0.00	0.00	
6,200.0	14.37	122.18	6,031.6	-722.1	1,147.6	1,355.6	0.00	0.00	
6,300.0	14.37	122.18	6,128.4	-735.3	1,168.6	1,380.4	0.00	0.00	
6,400.0	14.37	122.18	6,225.3	-748.5	1,189.6	1,405.2	0.00	0.00	
6,500.0	14.37	122.18	6,322.2	-761.7	1,210.6	1,430.1	0.00	0.00	
6,600.0	14.37	122.18	6,419.0	-775.0	1,231.6	1,454.9	0.00	0.00	
6,700.0	14.37	122.18	6,515.9	-788.2	1,252.6	1,479.7	0.00	0.00	
6,800.0	14.37	122.18	6,612.8	-801.4	1,273.6	1,504.5	0.00	0.00	
6,900.0	14.37	122.18	6,709.7	-814.6	1,294.6	1,529.3	0.00	0.00	
7,000.0	14.37	122.18	6,806.5	-827.9	1,315.6	1,554.2	0.00	0.00	
7,041.7	14.37	122.18	6,846.9	-833.4	1,324.4	1,564.5	0.00	0.00	Start 3° Drop
7,100.0	12.62	122.18	6,903.6	-840.6	1,335.9	1,578.1	3.00	-3.00	
7,200.0	9.62	122.18	7,001.7	-850.9	1,352.3	1,597.4	3.00	-3.00	
7,300.0	6.62	122.18	7,100.7	-858.4	1,364.2	1,611.5	3.00	-3.00	
7,400.0	3.62	122.18	7,200.3	-863.2	1,371.8	1,620.5	3.00	-3.00	
7,500.0	0.62	122.18	7,300.2	-865.1	1,374.9	1,624.2	3.00	-3.00	
7,520.8	0.00	0.00	7,321.0	-865.2	1,375.0	1,624.3	3.00	-3.00	EOD @ Inc. = 0° - WILLIAMS FORK
7,600.0	0.02	239.62	7,400.2	-865.2	1,375.0	1,624.3	0.02	0.02	
7,700.0	0.04	239.62	7,500.2	-865.2	1,374.9	1,624.3	0.02	0.02	
7,800.0	0.06	239.62	7,600.2	-865.3	1,374.9	1,624.2	0.02	0.02	
7,900.0	0.08	239.62	7,700.2	-865.3	1,374.8	1,624.2	0.02	0.02	
8,000.0	0.10	239.62	7,800.2	-865.4	1,374.6	1,624.1	0.02	0.02	
8,100.0	0.12	239.62	7,900.2	-865.5	1,374.5	1,624.0	0.02	0.02	
8,200.0	0.15	239.62	8,000.2	-865.6	1,374.3	1,623.9	0.02	0.02	
8,300.0	0.17	239.62	8,100.2	-865.8	1,374.0	1,623.8	0.02	0.02	
8,400.0	0.19	239.62	8,200.2	-865.9	1,373.8	1,623.6	0.02	0.02	
8,500.0	0.21	239.62	8,300.2	-866.1	1,373.5	1,623.5	0.02	0.02	
8,600.0	0.23	239.62	8,400.2	-866.3	1,373.1	1,623.3	0.02	0.02	
8,700.0	0.25	239.62	8,500.2	-866.5	1,372.8	1,623.1	0.02	0.02	
8,800.0	0.27	239.62	8,600.2	-866.7	1,372.4	1,622.9	0.02	0.02	
8,900.0	0.30	239.62	8,700.2	-867.0	1,371.9	1,622.7	0.02	0.02	
9,000.0	0.32	239.62	8,800.2	-867.3	1,371.5	1,622.5	0.02	0.02	
9,100.0	0.34	239.62	8,900.2	-867.6	1,371.0	1,622.2	0.02	0.02	
9,200.0	0.36	239.62	9,000.2	-867.9	1,370.5	1,621.9	0.02	0.02	
9,300.0	0.38	239.62	9,100.2	-868.2	1,369.9	1,621.7	0.02	0.02	
9,400.0	0.40	239.62	9,200.2	-868.5	1,369.3	1,621.3	0.02	0.02	

Cathedral Energy Services

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: North Piceance
Site: H04 596 Pad
Well: UWF12A-03 H04 596
Wellbore: DD
Design: Plan #2

Local Co-ordinate Reference: Well UWF12A-03 H04 596
TVD Reference: WELL @ 8293.0ft (Original Well Elev)
MD Reference: WELL @ 8293.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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	0.42	239.62	9,300.2	-868.9	1,368.7	1,621.0	0.02	0.02	
9,534.5	0.43	239.62	9,334.7	-869.0	1,368.5	1,620.9	0.02	0.02	
9,600.0	0.43	239.62	9,400.2	-869.3	1,368.0	1,620.7	0.00	0.00	
9,700.0	0.43	239.62	9,500.2	-869.7	1,367.4	1,620.4	0.00	0.00	
9,800.0	0.43	239.62	9,600.2	-870.0	1,366.7	1,620.0	0.00	0.00	
9,900.0	0.43	239.62	9,700.2	-870.4	1,366.1	1,619.7	0.00	0.00	
10,000.0	0.43	239.62	9,800.2	-870.8	1,365.4	1,619.4	0.00	0.00	
10,100.0	0.43	239.62	9,900.2	-871.2	1,364.8	1,619.0	0.00	0.00	
10,200.0	0.43	239.62	10,000.2	-871.6	1,364.1	1,618.7	0.00	0.00	
10,300.0	0.43	239.62	10,100.2	-871.9	1,363.5	1,618.4	0.00	0.00	
10,400.0	0.43	239.62	10,200.2	-872.3	1,362.8	1,618.0	0.00	0.00	
10,500.0	0.43	239.62	10,300.2	-872.7	1,362.2	1,617.7	0.00	0.00	
10,600.0	0.43	239.62	10,400.2	-873.1	1,361.5	1,617.3	0.00	0.00	
10,700.0	0.43	239.62	10,500.2	-873.5	1,360.9	1,617.0	0.00	0.00	
10,800.0	0.43	239.62	10,600.2	-873.9	1,360.2	1,616.7	0.00	0.00	
10,900.0	0.43	239.62	10,700.1	-874.2	1,359.6	1,616.3	0.00	0.00	
11,000.0	0.43	239.62	10,800.1	-874.6	1,358.9	1,616.0	0.00	0.00	
11,100.0	0.43	239.62	10,900.1	-875.0	1,358.3	1,615.7	0.00	0.00	
11,147.9	0.43	239.62	10,948.0	-875.2	1,358.0	1,615.5	0.00	0.00	TD @ 11,147.9' MD - ROLLINS
11,200.0	0.43	239.62	11,000.1	-875.4	1,357.6	1,615.3	0.00	0.00	
11,300.0	0.43	239.62	11,100.1	-875.8	1,357.0	1,615.0	0.00	0.00	
11,393.9	0.43	239.62	11,194.0	-876.1	1,356.4	1,614.7	0.00	0.00	COZZETTE
11,400.0	0.43	239.62	11,200.1	-876.1	1,356.3	1,614.7	0.00	0.00	
11,500.0	0.43	239.62	11,300.1	-876.5	1,355.7	1,614.3	0.00	0.00	
11,566.9	0.43	239.62	11,367.0	-876.8	1,355.3	1,614.1	0.00	0.00	CORCORAN
11,600.0	0.43	239.62	11,400.1	-876.9	1,355.0	1,614.0	0.00	0.00	
11,700.0	0.43	239.62	11,500.1	-877.3	1,354.4	1,613.7	0.00	0.00	
11,800.0	0.43	239.62	11,600.1	-877.7	1,353.7	1,613.3	0.00	0.00	
11,864.9	0.43	239.62	11,665.0	-877.9	1,353.3	1,613.1	0.00	0.00	UPPER SEGO
11,900.0	0.43	239.62	11,700.1	-878.0	1,353.1	1,613.0	0.00	0.00	
12,000.0	0.43	239.62	11,800.1	-878.4	1,352.4	1,612.7	0.00	0.00	
12,100.0	0.43	239.62	11,900.1	-878.8	1,351.8	1,612.3	0.00	0.00	
12,200.0	0.43	239.62	12,000.1	-879.2	1,351.2	1,612.0	0.00	0.00	
12,300.0	0.43	239.62	12,100.1	-879.6	1,350.5	1,611.7	0.00	0.00	
12,400.0	0.43	239.62	12,200.1	-879.9	1,349.9	1,611.3	0.00	0.00	
12,500.0	0.43	239.62	12,300.1	-880.3	1,349.2	1,611.0	0.00	0.00	
12,600.0	0.43	239.62	12,400.1	-880.7	1,348.6	1,610.7	0.00	0.00	
12,700.0	0.43	239.62	12,500.1	-881.1	1,347.9	1,610.3	0.00	0.00	
12,800.0	0.43	239.62	12,600.1	-881.5	1,347.3	1,610.0	0.00	0.00	
12,900.0	0.43	239.62	12,700.1	-881.8	1,346.6	1,609.7	0.00	0.00	
13,000.0	0.43	239.62	12,800.1	-882.2	1,346.0	1,609.3	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 UWF12A-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:	UWF12A-03 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
UWF12A-03 TGT - plan misses target center by 37.1ft at 7520.8ft MD (7321.0 TVD, -865.2 N, 1375.0 E) - Point	0.00	0.00	7,321.0	-864.2	1,412.1	1,670,267.60	2,251,036.19	39° 38' 36.85 N	108° 9' 35.95 W
UWF12A-03 TGT (2) - plan hits target center - Point	0.00	0.00	7,321.0	-865.2	1,375.0	1,670,267.69	2,250,999.08	39° 38' 36.84 N	108° 9' 36.42 W
UWF12A-03 BHL - plan misses target center by 39.1ft at 11147.6ft MD (10947.7 TVD, -875.2 N, 1358.0 E) - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	10,948.0	-874.2	1,397.1	1,670,258.08	2,251,020.90	39° 38' 36.75 N	108° 9' 36.14 W
UWF12A-03 BHL (2) - plan hits target center - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	10,948.0	-875.2	1,358.0	1,670,258.22	2,250,981.78	39° 38' 36.74 N	108° 9' 36.64 W

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,094.6	1,086.0	A GROOVE				
1,255.7	1,242.0	B GROOVE				
1,297.0	1,282.0	B GROOVE BASE				
2,161.0	2,119.0	GARDEN GULCH				
3,268.7	3,192.0	WASATCH FM				
5,430.3	5,286.0	WASATCH G				
7,520.8	7,321.0	WILLIAMS FORK				
11,147.9	10,948.0	ROLLINS				
11,393.9	11,194.0	COZZETTE				
11,566.9	11,367.0	CORCORAN				
11,864.9	11,665.0	UPPER SEGO				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)		
500.0	500.0	0.0	0.0	KOP @ 500'	
979.1	974.1	-31.8	50.6	EOB @ Inc. = 14.37°	
7,041.7	6,846.9	-833.4	1,324.4	Start 3° Drop	
7,520.8	7,321.0	-865.2	1,375.0	EOD @ Inc. = 0°	
11,147.9	10,948.0	-875.2	1,358.0	TD @ 11,147.9' MD	
13,000.0	12,800.1	-882.2	1,346.0	Permit TD @ 13,000' MD	

EnCana Oil & Gas (USA) Inc

North Piceance

H04 596 Pad

UWF12A-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 UWF12A-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:	UWF12A-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	Error Model:	Systematic Ellipse
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 500.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

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 UWF12A-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:	UWF12A-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						
CP01B-04 H04 ST1 - Existing - Existing	825.5	858.4	126.4	123.3	40.624	CC, ES
CP01B-04 H04 ST1 - Existing - Existing	1,000.0	1,026.5	137.6	133.6	34.200	SF
CP05B-03 H04 - Existing - Existing	1,286.1	1,295.7	136.2	130.7	24.502	CC
CP05B-03 H04 - Existing - Existing	1,300.0	1,309.0	136.3	130.7	24.246	ES
CP05B-03 H04 - Existing - Existing	1,500.0	1,505.1	144.2	137.9	22.905	SF
CP08D-04 H04 - Existing - Existing	893.8	901.0	150.4	147.1	45.695	CC
CP08D-04 H04 - Existing - Existing	900.0	907.1	150.4	147.1	45.271	ES
CP08D-04 H04 - Existing - Existing	1,300.0	1,292.7	181.9	176.5	33.785	SF
CP12D-03 H04 - Existing - Existing	100.0	108.2	177.8	177.5	642.636	CC
CP12D-03 H04 - Existing - Existing	200.0	207.9	178.1	177.5	284.143	ES
CP12D-03 H04 - Existing - Existing	4,700.0	4,692.8	498.0	460.3	13.215	SF
UWF02A-09 H04 596 - DD - Plan #1	133.8	133.8	110.4	110.0	313.694	CC
UWF02A-09 H04 596 - DD - Plan #1	200.0	199.0	110.6	110.0	190.283	ES
UWF02A-09 H04 596 - DD - Plan #1	700.0	672.7	157.6	154.9	58.827	SF
UWF02B-09 H04 596 - DD - Plan #1	1,101.6	1,100.0	95.0	90.3	20.429	CC, ES
UWF02B-09 H04 596 - DD - Plan #1	1,300.0	1,287.3	108.4	102.4	18.259	SF
UWF02C-04 H04 596 - DD - Plan #1	300.0	300.0	110.3	109.4	118.379	CC, ES
UWF02C-04 H04 596 - DD - Plan #1	700.0	681.3	140.6	138.1	57.281	SF
UWF02D-04 H04 596 - DD - Plan #1	200.0	200.0	110.2	109.6	188.979	CC, ES
UWF02D-04 H04 596 - DD - Plan #1	700.0	675.1	157.4	154.9	62.028	SF
UWF02E-04 H04 596 - DD - Plan #1	400.0	400.0	90.3	89.0	70.473	CC
UWF02E-04 H04 596 - DD - Plan #1	500.0	499.9	90.3	88.7	55.373	ES
UWF02E-04 H04 596 - DD - Plan #1	700.0	693.4	101.2	98.7	41.680	SF
UWF04A-10 H04 596 - DD - Plan #1	233.4	233.4	109.3	108.6	156.293	CC, ES
UWF04A-10 H04 596 - DD - Plan #1	1,400.0	1,300.0	313.1	305.9	43.545	SF
UWF04B-04 H04 596 - DD - Plan #1	400.0	400.0	99.9	98.7	78.018	CC, ES
UWF04B-04 H04 596 - DD - Plan #1	800.0	783.1	133.8	131.0	47.225	SF
UWF04B-10 H04 596 - DD - Plan #1	200.0	200.0	119.7	119.1	205.365	CC, ES
UWF04B-10 H04 596 - DD - Plan #1	1,300.0	1,200.0	312.9	306.5	49.093	SF
UWF04C-04 H04 596 - DD - Plan #1	549.6	554.3	87.9	85.7	39.791	CC, ES
UWF04C-04 H04 596 - DD - Plan #1	700.0	695.7	101.8	98.8	33.418	SF
UWF04C-10 H04 596 - DD - Plan #1	133.4	133.4	129.3	129.0	369.039	CC, ES
UWF04C-10 H04 596 - DD - Plan #1	1,400.0	1,255.9	384.0	377.0	54.669	SF
UWF04D-03 H04 596 - DD - Plan #1	200.0	200.0	90.5	90.0	155.333	CC, ES
UWF04D-03 H04 596 - DD - Plan #1	2,000.0	1,922.9	481.0	469.0	40.097	SF
UWF04D-10 H04 596 - DD - Plan #1	133.3	133.3	130.3	129.9	372.017	CC, ES
UWF04D-10 H04 596 - DD - Plan #1	1,500.0	1,378.2	475.9	468.3	62.602	SF
UWF04E-03 H04 596 - DD - Plan #1	300.0	300.0	80.0	79.0	85.799	CC, ES
UWF04E-03 H04 596 - DD - Plan #1	2,300.0	2,234.1	483.7	469.2	33.380	SF
UWF04E-04 H04 596 - DD - Plan #1	300.0	300.0	80.9	80.0	86.820	CC
UWF04E-04 H04 596 - DD - Plan #1	400.0	399.9	81.0	79.7	63.103	ES
UWF04E-04 H04 596 - DD - Plan #1	700.0	692.0	99.1	96.5	38.754	SF
UWF05A-03 H04 596 - DD - Plan #1	200.0	200.0	70.6	70.0	121.050	CC, ES
UWF05A-03 H04 596 - DD - Plan #1	2,600.0	2,544.0	480.5	463.1	27.668	SF
UWF05A-04 H04 596 - DD - Plan #1	371.7	371.7	61.1	59.9	51.626	CC
UWF05A-04 H04 596 - DD - Plan #1	400.0	400.0	61.1	59.8	47.635	ES
UWF05A-04 H04 596 - DD - Plan #1	600.0	597.4	66.9	64.8	31.874	SF
UWF05B-03 H04 596 - DD - Plan #2	300.0	300.0	60.0	59.0	64.352	CC, ES
UWF05B-03 H04 596 - DD - Plan #2	3,200.0	3,154.3	487.7	465.6	22.112	SF
UWF05C-03 H04 596 - DD - Plan #1	300.0	300.0	40.0	39.1	42.904	CC, ES
UWF05C-03 H04 596 - DD - Plan #1	3,800.0	3,765.3	455.5	427.9	16.462	SF
UWF05D-03 H04 596 - DD - Plan #1	374.0	374.0	19.9	18.8	16.741	CC
UWF05D-03 H04 596 - DD - Plan #1	400.0	400.0	20.0	18.7	15.579	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 UWF12A-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:	UWF12A-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						
UWF05D-03 H04 596 - DD - Plan #1	2,100.0	2,088.4	153.4	139.3	10.911	SF
UWF05E-03 H04 596 - DD - Plan #1	282.0	282.0	10.5	9.7	12.111	CC
UWF05E-03 H04 596 - DD - Plan #1	300.0	300.0	10.5	9.6	11.308	ES
UWF05E-03 H04 596 - DD - Plan #1	13,000.0	12,971.9	268.7	199.6	3.891	SF
UWF06B-04 H04 596 - DD - Plan #1	200.0	200.0	41.5	40.9	71.230	CC
UWF06B-04 H04 596 - DD - Plan #1	300.0	299.9	41.6	40.7	44.498	ES
UWF06B-04 H04 596 - DD - Plan #1	500.0	497.6	47.6	45.9	27.131	SF
UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2	344.5	344.6	21.9	20.8	19.980	CC, ES
UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2	500.0	498.4	28.4	26.6	15.959	SF
UWF07A-04 H04 596 - DD - Plan #1	400.0	400.0	70.5	69.2	54.995	CC, ES
UWF07A-04 H04 596 - DD - Plan #1	700.0	693.7	88.0	85.6	36.695	SF
UWF07B-03 H04 596 - DD - Plan #1	200.0	200.0	50.6	50.0	86.760	CC, ES
UWF07B-03 H04 596 - DD - Plan #1	1,100.0	1,056.9	175.1	169.8	33.321	SF
UWF07B-04 H04 596 - DD - Plan #2	335.2	335.2	50.8	49.7	48.109	CC
UWF07B-04 H04 596 - DD - Plan #2	400.0	399.7	50.9	49.6	39.733	ES
UWF07B-04 H04 596 - DD - Plan #2	700.0	698.6	59.4	57.1	25.320	SF
UWF07C-03 H04 596 - DD - Plan #1	200.0	200.0	30.6	30.0	52.470	CC, ES
UWF07C-03 H04 596 - DD - Plan #1	500.0	496.4	42.9	41.3	26.275	SF
UWF07C-04 H04 596 - DD - Plan #1	350.8	350.8	31.4	30.3	28.276	CC
UWF07C-04 H04 596 - DD - Plan #1	400.0	400.0	31.4	30.2	24.499	ES
UWF07C-04 H04 596 - DD - Plan #1	500.0	499.4	32.8	31.1	19.817	SF
UWF07E-03 H04 596 - DD - Plan #1	400.0	400.0	13.7	12.4	10.663	CC, ES
UWF07E-03 H04 596 - DD - Plan #1	500.0	499.8	14.5	12.8	8.873	SF
UWF10A-03 H04 596 - DD - Plan #1	245.8	245.8	9.4	8.6	12.621	CC, ES
UWF10A-03 H04 596 - DD - Plan #1	400.0	399.3	13.6	12.3	10.226	SF
UWF10A-04 H04 596 - DD - Plan #1	200.0	200.0	9.9	9.3	16.923	CC, ES
UWF10A-04 H04 596 - DD - Plan #1	300.0	299.6	11.7	10.7	12.416	SF
UWF10B-03 H04 596 - DD - Plan #1	500.0	500.0	13.7	12.1	8.407	CC, ES
UWF10B-03 H04 596 - DD - Plan #1	1,400.0	1,405.0	39.7	31.7	4.964	SF
UWF10C-03 H04 596 - DD - Plan #1	220.0	220.0	19.7	19.1	30.181	CC, ES
UWF10C-03 H04 596 - DD - Plan #1	400.0	398.8	24.8	23.4	18.053	SF
UWF10C-04 H04 596 - DD - Plan #1	233.4	233.4	40.8	40.1	58.381	CC, ES
UWF10C-04 H04 596 - DD - Plan #1	600.0	595.3	56.7	54.7	28.624	SF
UWF10E-04 H04 596 - DD - Plan #1	300.0	300.0	50.9	49.9	54.581	CC, ES
UWF10E-04 H04 596 - DD - Plan #1	600.0	590.4	72.6	70.7	36.775	SF
UWF12B-03 H04 596 - DD - Plan #1	482.0	482.0	21.9	20.3	13.967	CC
UWF12B-03 H04 596 - DD - Plan #1	500.0	500.0	21.9	20.3	13.435	ES
UWF12B-03 H04 596 - DD - Plan #1	12,945.7	12,989.4	265.7	203.3	4.258	SF
UWF12C-03 H04 596 - DD - Plan #1	400.0	400.0	39.8	38.5	31.045	CC, ES
UWF12C-03 H04 596 - DD - Plan #1	6,900.0	6,873.6	499.5	449.1	9.904	SF
UWF12E-03 H04 596 - DD - Plan #1	590.0	589.4	49.1	47.1	25.197	CC
UWF12E-03 H04 596 - DD - Plan #1	600.0	599.2	49.1	47.1	24.755	ES
UWF12E-03 H04 596 - DD - Plan #1	1,300.0	1,287.6	97.9	91.1	14.422	SF
UWF13A-03 H04 596 - DD - Plan #1	500.0	500.0	59.8	58.1	36.661	CC, ES
UWF13A-03 H04 596 - DD - Plan #1	1,200.0	1,182.0	108.7	102.8	18.517	SF
UWF13B-03 H04 596 - DD - Plan #2	433.6	433.6	69.4	68.0	49.610	CC, ES
UWF13B-03 H04 596 - DD - Plan #2	1,200.0	1,173.2	133.9	128.1	22.966	SF
UWF13C-03 H04 596 - DD - Plan #2	400.0	400.0	79.7	78.5	62.246	CC, ES
UWF13C-03 H04 596 - DD - Plan #2	1,200.0	1,162.4	162.4	156.6	28.083	SF
UWF13D-03 H04 596 - DD - Plan #1	333.5	333.5	89.4	88.3	85.198	CC, ES
UWF13D-03 H04 596 - DD - Plan #1	1,300.0	1,240.8	215.0	208.5	32.887	SF
UWF13E-03 H04 596 - DD - Plan #1	300.0	300.0	99.7	98.8	107.007	CC, ES
UWF13E-03 H04 596 - DD - Plan #1	1,300.0	1,226.0	247.2	240.7	38.191	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 UWF12A-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:	UWF12A-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						
UWF14C-04 H04 596 (was 15C-04) - DD - Plan #2	455.6	455.6	79.9	78.4	54.180	CC, ES
UWF14C-04 H04 596 (was 15C-04) - DD - Plan #2	800.0	783.7	104.4	101.6	37.775	SF
UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2	403.1	403.1	29.3	28.0	22.614	CC, ES
UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2	700.0	695.7	40.6	38.1	16.532	SF
UWF15A-04 H04 596 - DD - Plan #1	500.0	500.0	60.4	58.8	37.068	CC, ES
UWF15A-04 H04 596 - DD - Plan #1	700.0	692.9	70.1	67.8	29.860	SF
UWF15B-03 H04 596 (was 10E-03) - DD - Plan #2	427.5	427.5	31.4	30.0	22.782	CC, ES
UWF15B-03 H04 596 (was 10E-03) - DD - Plan #2	1,000.0	992.2	51.9	48.0	13.286	SF
UWF15B-04 H04 596 - DD - Plan #1	300.0	300.0	70.6	69.7	75.762	CC, ES
UWF15B-04 H04 596 - DD - Plan #1	600.0	587.5	92.3	90.4	46.914	SF
UWF15D-04 H04 596 - DD - Plan #1	433.3	433.3	90.5	89.1	64.751	CC, ES
UWF15D-04 H04 596 - DD - Plan #1	900.0	871.3	139.1	135.8	42.792	SF
UWF15E-04 H04 596 - DD - Plan #1	133.3	133.3	99.8	99.4	284.941	CC, ES
UWF15E-04 H04 596 - DD - Plan #1	1,400.0	1,234.4	457.0	450.6	71.425	SF

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													Offset Site Error:	0.0 ft	
Survey Program: 17-MWD													Offset Well Error:		0.0 ft
H04 596 Pad - CP01B-04 H04 ST1 - Existing - Existing															
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	4.3	0.0	0.0	-161.83	-137.3	-45.0	144.7						
100.0	100.0	128.9	96.2	0.1	0.2	-162.16	-137.9	-44.4	144.9	144.6	0.31	463.205			
200.0	200.0	229.8	197.1	0.3	0.4	-162.06	-138.2	-44.7	145.2	144.6	0.66	219.020			
300.0	300.0	332.1	299.4	0.5	0.6	-161.50	-136.9	-45.8	144.4	143.4	1.02	141.910			
400.0	400.0	434.1	401.3	0.6	0.7	-160.32	-133.5	-47.8	141.9	140.5	1.38	103.016			
500.0	500.0	535.1	502.2	0.8	0.9	-158.91	-129.3	-49.8	138.6	136.9	1.74	79.558			
600.0	600.0	636.1	602.9	1.0	1.1	82.37	-123.2	-53.1	133.9	131.8	2.11	63.538			
700.0	699.6	734.7	701.3	1.2	1.3	88.34	-116.9	-56.2	129.0	126.5	2.51	51.396			
800.0	798.8	833.2	799.5	1.4	1.5	97.22	-110.5	-60.1	126.6	123.6	2.98	42.520			
825.5	823.9	858.4	824.6	1.5	1.6	99.94	-108.7	-61.1	126.4	123.3	3.11	40.624 CC, ES			
900.0	897.1	930.1	896.0	1.8	1.8	108.60	-102.9	-64.3	128.2	124.7	3.51	36.556			
1,000.0	994.3	1,026.5	991.9	2.2	2.0	121.25	-94.5	-68.9	137.6	133.6	4.02	34.200 SF			
1,100.0	1,091.2	1,121.8	1,086.9	2.6	2.2	132.09	-86.7	-71.8	152.8	148.4	4.46	34.266			
1,200.0	1,188.1	1,215.7	1,180.4	3.0	2.4	140.93	-78.4	-74.9	172.9	168.0	4.84	35.720			
1,300.0	1,284.9	1,307.4	1,271.5	3.5	2.7	148.26	-68.6	-78.9	197.3	192.1	5.17	38.180			
1,400.0	1,381.8	1,401.2	1,364.5	3.9	2.9	154.11	-58.5	-83.7	225.1	219.6	5.47	41.171			
1,500.0	1,478.7	1,493.3	1,456.0	4.4	3.2	158.58	-48.9	-88.5	254.6	248.9	5.76	44.188			
1,600.0	1,575.6	1,586.0	1,548.0	4.9	3.4	162.25	-38.6	-93.9	286.1	280.1	6.06	47.216			
1,700.0	1,672.4	1,678.2	1,639.5	5.3	3.7	165.25	-28.0	-99.2	318.6	312.3	6.35	50.178			
1,800.0	1,769.3	1,774.4	1,735.0	5.8	3.9	167.55	-18.3	-105.4	351.8	345.2	6.65	52.880			
1,900.0	1,866.2	1,865.3	1,825.2	6.3	4.1	169.32	-9.6	-110.8	384.8	377.9	6.96	55.313			
2,000.0	1,963.0	1,950.6	1,909.9	6.7	4.4	170.73	-0.8	-117.1	419.7	412.5	7.26	57.812			
2,100.0	2,059.9	2,038.1	1,996.5	7.2	4.7	172.04	9.3	-125.0	456.6	449.1	7.57	60.347			
2,200.0	2,156.8	2,129.2	2,086.5	7.7	4.9	173.16	19.5	-133.4	493.8	486.0	7.88	62.705			

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 UWF12A-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:	UWF12A-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													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 Tooface (°)	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	-162.27	-159.1	-50.8	169.2						
100.0	100.0	110.3	97.7	0.1	0.2	-162.33	-159.0	-50.7	166.9	166.6	0.28	596.468			
200.0	200.0	210.3	197.7	0.3	0.3	-162.46	-158.7	-50.2	166.5	165.9	0.63	264.765			
300.0	300.0	310.1	297.4	0.5	0.5	-163.25	-159.0	-47.9	166.1	165.1	0.98	169.798			
400.0	400.0	411.3	398.5	0.6	0.7	-164.69	-159.6	-43.7	165.5	164.1	1.33	124.340			
444.3	444.3	454.2	441.3	0.7	0.8	-165.35	-159.9	-41.8	165.3	163.8	1.48	111.293			
500.0	500.0	508.5	495.6	0.8	0.9	-166.18	-160.8	-39.5	165.6	163.9	1.68	98.555			
600.0	600.0	609.5	596.5	1.0	1.1	70.89	-162.3	-35.1	165.1	163.1	2.07	79.698			
700.0	699.6	709.8	696.7	1.2	1.3	71.80	-163.9	-30.3	163.0	160.6	2.47	66.141			
800.0	798.8	811.5	798.3	1.4	1.5	74.56	-164.1	-24.8	158.0	155.1	2.91	54.324			
900.0	897.1	911.7	898.3	1.8	1.7	79.47	-164.1	-19.4	152.1	148.7	3.42	44.470			
1,000.0	994.3	1,010.7	997.2	2.2	1.9	87.06	-162.1	-14.4	145.3	141.3	4.00	36.332			
1,100.0	1,091.2	1,110.8	1,097.0	2.6	2.1	95.70	-160.2	-9.1	141.2	136.6	4.59	30.758			
1,200.0	1,188.1	1,211.4	1,197.3	3.0	2.3	104.40	-156.6	-1.1	137.5	132.4	5.14	26.737			
1,286.1	1,271.5	1,295.7	1,281.2	3.4	2.5	111.98	-153.1	6.0	136.2	130.7	5.56	24.502 CC			
1,300.0	1,284.9	1,309.0	1,294.5	3.5	2.5	113.21	-152.5	7.1	136.3	130.7	5.62	24.246 ES			
1,400.0	1,381.8	1,406.7	1,391.7	3.9	2.7	122.28	-147.7	14.8	138.7	132.7	6.00	23.105			
1,500.0	1,478.7	1,505.1	1,489.7	4.4	2.9	131.29	-141.9	22.6	144.2	137.9	6.30	22.905 SF			
1,600.0	1,575.6	1,604.1	1,588.1	4.9	3.2	139.73	-135.4	31.2	152.1	145.6	6.53	23.291			
1,700.0	1,672.4	1,700.5	1,683.8	5.3	3.4	147.33	-128.2	40.0	162.7	156.0	6.74	24.135			
1,800.0	1,769.3	1,795.0	1,777.7	5.8	3.6	153.87	-120.8	47.7	176.9	169.9	6.96	25.417			
1,900.0	1,866.2	1,890.3	1,872.5	6.3	3.9	159.47	-113.2	54.3	194.3	187.1	7.20	26.987			
2,000.0	1,963.0	1,986.7	1,968.3	6.7	4.1	164.20	-105.4	60.5	213.7	206.3	7.48	28.580			
2,100.0	2,059.9	2,079.3	2,060.5	7.2	4.3	167.93	-98.0	65.7	235.2	227.4	7.78	30.220			
2,200.0	2,156.8	2,174.6	2,155.4	7.7	4.5	170.92	-90.6	69.6	258.8	250.7	8.11	31.911			
2,300.0	2,253.6	2,272.2	2,252.7	8.1	4.7	173.37	-83.7	73.5	282.7	274.3	8.47	33.380			
2,400.0	2,350.5	2,370.0	2,350.1	8.6	4.9	175.62	-76.0	78.2	306.7	297.9	8.84	34.690			
2,500.0	2,447.4	2,467.7	2,447.4	9.1	5.2	177.52	-68.7	83.2	330.6	321.4	9.24	35.783			
2,600.0	2,544.3	2,564.7	2,543.8	9.6	5.4	179.36	-60.5	89.0	354.6	345.0	9.65	36.738			
2,700.0	2,641.1	2,663.8	2,642.3	10.0	5.7	-178.88	-51.7	95.6	378.6	368.5	10.10	37.489			
2,800.0	2,738.0	2,764.8	2,742.6	10.5	5.9	-177.16	-42.4	103.8	402.0	391.4	10.57	38.020			
2,900.0	2,834.9	2,866.1	2,843.0	11.0	6.2	-175.58	-33.4	113.0	424.5	413.5	11.06	38.366			
3,000.0	2,931.7	2,964.2	2,940.3	11.5	6.5	-174.09	-24.5	123.1	446.7	435.1	11.58	38.575			
3,100.0	3,028.6	3,058.0	3,033.0	11.9	6.8	-172.68	-15.0	133.1	469.3	457.2	12.10	38.781			
3,200.0	3,125.5	3,153.1	3,127.1	12.4	7.0	-171.39	-5.2	142.9	492.7	480.0	12.63	38.995			

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 UWF12A-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:	UWF12A-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													Offset Site Error:	0.0 ft	
Survey Program: 17-MWD													Offset Well Error:		0.0 ft
H04 596 Pad - CP08D-04 H04 - Existing - Existing															
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	37.0	24.3	0.0	0.0	-162.08	-149.9	-48.5	159.9						
100.0	100.0	109.9	97.2	0.1	0.2	-162.06	-149.6	-48.5	157.3	157.0	0.28	563.579			
200.0	200.0	210.1	197.4	0.3	0.3	-162.00	-149.4	-48.5	157.1	156.5	0.63	249.987			
300.0	300.0	310.2	297.5	0.5	0.5	-162.01	-149.2	-48.4	156.8	155.8	0.98	160.387			
400.0	400.0	410.3	397.6	0.6	0.7	-162.09	-148.9	-48.1	156.5	155.1	1.33	117.893			
500.0	500.0	510.4	497.7	0.8	0.9	-162.24	-148.6	-47.6	156.0	154.3	1.68	93.064			
600.0	600.0	610.0	597.3	1.0	1.0	76.50	-148.3	-47.4	155.0	153.0	2.03	76.433			
700.0	699.6	709.3	696.6	1.2	1.2	79.27	-148.4	-47.1	153.4	151.0	2.40	63.827			
800.0	798.8	808.7	796.0	1.4	1.4	84.23	-148.2	-47.2	151.4	148.6	2.83	53.555			
893.8	891.0	901.0	888.3	1.7	1.5	90.54	-148.1	-47.1	150.4	147.1	3.29	45.695 CC			
900.0	897.1	907.1	894.3	1.8	1.6	91.02	-148.1	-47.1	150.4	147.1	3.32	45.271 ES			
1,000.0	994.3	1,004.4	991.6	2.2	1.7	99.58	-147.9	-47.2	152.6	148.7	3.88	39.343			
1,100.0	1,091.2	1,100.4	1,087.7	2.6	1.9	108.01	-148.0	-46.8	158.5	154.1	4.42	35.871			
1,200.0	1,188.1	1,196.4	1,183.7	3.0	2.1	115.60	-149.0	-47.1	168.9	163.9	4.92	34.307			
1,300.0	1,284.9	1,292.7	1,279.9	3.5	2.2	122.17	-150.2	-47.3	181.9	176.5	5.39	33.785 SF			
1,400.0	1,381.8	1,389.3	1,376.5	3.9	2.4	127.91	-151.5	-48.2	197.9	192.1	5.81	34.065			
1,500.0	1,478.7	1,485.4	1,472.6	4.4	2.6	132.85	-152.5	-49.0	215.3	209.1	6.20	34.731			
1,600.0	1,575.6	1,582.5	1,569.8	4.9	2.7	137.20	-153.1	-50.4	234.8	228.2	6.56	35.771			
1,700.0	1,672.4	1,679.4	1,666.7	5.3	2.9	140.93	-153.3	-51.3	254.7	247.8	6.91	36.864			
1,800.0	1,769.3	1,777.6	1,764.9	5.8	3.1	144.13	-153.8	-52.3	275.7	268.4	7.24	38.050			
1,900.0	1,866.2	1,874.7	1,861.9	6.3	3.2	146.90	-153.9	-52.5	296.6	289.0	7.57	39.182			
2,000.0	1,963.0	1,971.2	1,958.4	6.7	3.4	149.39	-153.5	-53.0	318.4	310.5	7.88	40.390			
2,100.0	2,059.9	2,068.1	2,055.3	7.2	3.6	151.60	-152.9	-53.8	340.9	332.8	8.19	41.620			
2,200.0	2,156.8	2,165.4	2,152.6	7.7	3.8	153.55	-152.3	-53.9	363.3	354.8	8.50	42.748			
2,300.0	2,253.6	2,262.9	2,250.2	8.1	3.9	155.21	-152.2	-54.2	386.2	377.4	8.81	43.826			
2,400.0	2,350.5	2,359.9	2,347.1	8.6	4.1	156.63	-152.4	-54.3	409.0	399.9	9.13	44.813			
2,500.0	2,447.4	2,459.8	2,447.1	9.1	4.3	157.96	-152.5	-54.1	431.9	422.4	9.44	45.738			
2,600.0	2,544.3	2,557.0	2,544.2	9.6	4.4	159.11	-152.8	-53.5	454.3	444.6	9.76	46.564			
2,700.0	2,641.1	2,650.0	2,637.2	10.0	4.6	160.07	-153.3	-53.3	477.4	467.3	10.07	47.395			

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 UWF12A-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:	UWF12A-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													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	-162.33	-169.2	-53.9	179.8						
100.0	100.0	108.2	95.5	0.1	0.2	-162.60	-169.6	-53.2	177.8	177.5	0.28	642.636	CC		
200.0	200.0	207.9	195.3	0.3	0.3	-163.06	-170.4	-51.9	178.1	177.5	0.63	284.143	ES		
300.0	300.0	307.0	294.3	0.5	0.5	-163.74	-171.6	-50.1	178.8	177.8	0.98	182.847			
400.0	400.0	403.7	390.9	0.6	0.7	-164.68	-174.1	-47.7	180.6	179.3	1.33	135.672			
500.0	500.0	503.1	490.2	0.8	0.9	-165.71	-177.8	-45.3	183.6	181.9	1.69	108.490			
600.0	600.0	601.8	588.8	1.0	1.1	71.86	-181.9	-43.2	186.3	184.2	2.05	91.057			
700.0	699.6	701.2	688.1	1.2	1.3	73.26	-186.4	-41.6	187.8	185.4	2.43	77.420			
800.0	798.8	800.6	787.4	1.4	1.5	76.08	-191.1	-39.7	188.4	185.6	2.86	65.876			
900.0	897.1	901.0	887.6	1.8	1.6	80.47	-195.7	-37.5	188.2	184.9	3.38	55.742			
1,000.0	994.3	1,002.4	989.0	2.2	1.8	86.20	-199.5	-34.0	187.4	183.4	3.99	47.014			
1,100.0	1,091.2	1,103.5	1,089.9	2.6	2.0	92.24	-202.0	-29.1	186.6	182.0	4.62	40.392			
1,117.5	1,108.1	1,120.6	1,106.9	2.7	2.1	93.26	-202.3	-28.2	186.5	181.8	4.73	39.433			
1,200.0	1,188.1	1,196.5	1,182.7	3.0	2.2	97.61	-205.0	-24.3	188.3	183.0	5.24	35.930			
1,300.0	1,284.9	1,291.6	1,277.5	3.5	2.4	102.77	-210.2	-20.8	194.3	188.4	5.85	33.222			
1,400.0	1,381.8	1,389.1	1,374.9	3.9	2.6	107.80	-215.9	-17.9	202.8	196.4	6.44	31.511			
1,500.0	1,478.7	1,487.2	1,472.8	4.4	2.8	112.35	-221.8	-14.9	212.7	205.7	7.00	30.380			
1,600.0	1,575.6	1,585.9	1,571.1	4.9	3.1	116.22	-228.7	-11.1	223.8	216.3	7.56	29.606			
1,700.0	1,672.4	1,687.1	1,671.9	5.3	3.3	119.50	-236.5	-6.1	235.2	227.1	8.11	29.004			
1,800.0	1,769.3	1,786.2	1,770.6	5.8	3.5	122.52	-243.4	-0.6	246.3	237.7	8.63	28.541			
1,900.0	1,866.2	1,885.9	1,869.9	6.3	3.7	125.27	-250.3	5.1	257.9	248.8	9.13	28.242			
2,000.0	1,963.0	1,982.4	1,966.0	6.7	4.0	127.63	-257.4	10.8	270.0	260.4	9.62	28.057			
2,100.0	2,059.9	2,081.8	2,064.9	7.2	4.2	129.76	-265.2	16.3	283.1	273.0	10.11	27.998			
2,200.0	2,156.8	2,180.7	2,163.3	7.7	4.4	131.59	-273.4	22.3	296.1	285.5	10.60	27.931			
2,300.0	2,253.6	2,280.8	2,262.7	8.1	4.7	132.99	-283.1	28.8	309.3	298.1	11.12	27.810			
2,400.0	2,350.5	2,380.2	2,361.2	8.6	5.0	133.99	-294.2	36.0	322.2	310.5	11.67	27.612			
2,500.0	2,447.4	2,482.8	2,462.6	9.1	5.3	134.65	-307.2	44.4	334.7	322.4	12.26	27.287			
2,600.0	2,544.3	2,583.4	2,561.7	9.6	5.6	134.84	-322.2	53.9	346.4	333.5	12.93	26.802			
2,700.0	2,641.1	2,686.0	2,662.0	10.0	6.0	134.45	-340.7	64.8	357.6	343.9	13.70	26.107			
2,800.0	2,738.0	2,793.0	2,765.5	10.5	6.5	133.39	-363.8	78.6	367.5	352.8	14.62	25.133			
2,900.0	2,834.9	2,904.9	2,872.2	11.0	7.1	131.53	-392.0	97.6	374.4	358.7	15.74	23.787			
3,000.0	2,931.7	3,014.4	2,974.6	11.5	7.7	129.08	-423.0	120.3	378.9	361.9	17.01	22.275			
3,100.0	3,028.6	3,119.1	3,071.0	11.9	8.4	126.20	-455.3	145.4	381.7	363.3	18.37	20.781			
3,200.0	3,125.5	3,217.4	3,161.4	12.4	9.1	123.54	-485.3	169.8	384.6	364.9	19.68	19.539			
3,300.0	3,222.3	3,314.8	3,251.3	12.9	9.7	121.07	-514.4	193.3	388.5	367.5	20.97	18.527			
3,400.0	3,319.2	3,412.7	3,342.4	13.3	10.3	118.92	-542.2	216.0	393.4	371.2	22.21	17.713			
3,500.0	3,416.1	3,516.9	3,439.9	13.8	10.9	116.90	-570.3	240.0	398.3	374.8	23.48	16.964			
3,600.0	3,513.0	3,615.0	3,531.4	14.3	11.6	114.99	-596.7	263.3	403.0	378.3	24.71	16.307			
3,700.0	3,609.8	3,712.9	3,622.8	14.8	12.2	113.15	-623.1	286.3	408.4	382.5	25.93	15.751			
3,800.0	3,706.7	3,810.7	3,713.9	15.2	12.8	111.23	-650.3	309.5	414.5	387.3	27.18	15.249			
3,900.0	3,803.6	3,908.4	3,804.3	15.7	13.5	109.18	-678.7	333.3	421.3	392.9	28.45	14.809			
4,000.0	3,900.4	4,003.8	3,892.2	16.2	14.1	107.12	-707.4	356.7	429.3	399.6	29.70	14.455			
4,100.0	3,997.3	4,104.4	3,985.1	16.7	14.8	105.11	-737.2	380.9	437.8	406.9	30.93	14.152			
4,200.0	4,094.2	4,202.5	4,076.2	17.1	15.5	103.37	-765.5	404.0	446.7	414.5	32.12	13.907			
4,300.0	4,191.0	4,300.4	4,166.9	17.6	16.1	101.65	-794.0	427.2	456.1	422.8	33.29	13.699			
4,400.0	4,287.9	4,398.7	4,257.9	18.1	16.8	99.94	-823.1	450.6	466.1	431.6	34.44	13.532			
4,500.0	4,384.8	4,498.8	4,350.9	18.6	17.5	98.42	-851.7	473.7	476.2	440.6	35.56	13.391			
4,600.0	4,481.6	4,595.5	4,441.1	19.0	18.1	97.09	-879.0	495.6	486.7	450.0	36.63	13.285			
4,700.0	4,578.5	4,692.8	4,532.0	19.5	18.7	95.87	-906.7	516.9	498.0	460.3	37.68	13.215	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 UWF12A-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:	UWF12A-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													Offset Site Error:	0.0 ft		
Survey Program: 0-MWD													H04 596 Pad - UWF02A-09 H04 596 - DD - Plan #1		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	0.0	0.0	0.0	0.0	-159.24	-103.2	-39.1	110.4							
100.0	100.0	100.0	100.0	0.1	0.1	-159.24	-103.2	-39.1	110.4	110.1	0.23	471.897				
133.8	133.8	133.8	133.8	0.2	0.2	-159.24	-103.2	-39.1	110.4	110.0	0.35	313.694 CC				
200.0	200.0	199.0	199.0	0.3	0.3	-158.94	-103.2	-39.7	110.6	110.0	0.58	190.283 ES				
300.0	300.0	296.7	296.6	0.5	0.5	-156.56	-103.2	-44.7	112.5	111.6	0.93	121.411				
400.0	400.0	393.7	393.0	0.6	0.7	-152.10	-103.2	-54.6	117.0	115.7	1.27	92.063				
500.0	500.0	489.4	487.6	0.8	1.0	-146.16	-103.2	-69.2	124.9	123.3	1.61	77.475				
600.0	600.0	582.9	579.2	1.0	1.4	98.89	-103.2	-88.0	137.6	135.3	2.24	61.354				
700.0	699.6	672.7	666.2	1.2	1.9	107.13	-103.2	-110.2	157.6	154.9	2.68	58.827 SF				
800.0	798.8	757.9	747.7	1.4	2.4	114.88	-103.2	-135.1	186.7	183.6	3.09	60.368				
900.0	897.1	837.7	822.9	1.8	2.9	121.30	-103.2	-161.6	225.5	222.0	3.49	64.518				
1,000.0	994.3	911.6	891.6	2.2	3.4	126.50	-103.2	-189.0	273.5	269.6	3.89	70.365				
1,100.0	1,091.2	981.0	955.0	2.6	4.0	131.23	-103.2	-217.1	327.9	323.6	4.23	77.597				
1,200.0	1,188.1	1,046.7	1,014.1	3.0	4.6	134.72	-103.2	-245.8	386.7	382.2	4.56	84.874				
1,300.0	1,284.9	1,100.0	1,061.3	3.5	5.0	136.99	-103.2	-270.6	449.3	444.4	4.88	92.030				

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	-159.74	-112.3	-41.5	119.7						
100.0	100.0	100.0	100.0	0.1	0.1	-159.74	-112.3	-41.5	119.7	119.5	0.23	511.864			
200.0	200.0	200.0	200.0	0.3	0.3	-159.74	-112.3	-41.5	119.7	119.1	0.58	205.359			
300.0	300.0	300.0	300.0	0.5	0.5	-159.74	-112.3	-41.5	119.7	118.8	0.93	128.445			
400.0	400.0	400.0	400.0	0.6	0.6	-159.74	-112.3	-41.5	119.7	118.4	1.28	93.447			
500.0	500.0	500.0	500.0	0.8	0.8	-159.74	-112.3	-41.5	119.7	118.1	1.63	73.437			
600.0	600.0	600.0	600.0	1.0	1.0	79.33	-112.3	-41.5	119.2	117.2	1.98	60.106			
700.0	699.6	702.2	702.2	1.2	1.2	82.02	-112.3	-38.7	116.9	114.5	2.37	49.385			
800.0	798.8	804.6	804.2	1.4	1.4	85.12	-112.3	-30.5	111.9	109.1	2.82	39.726			
900.0	897.1	906.9	905.5	1.8	1.6	88.92	-112.3	-16.9	104.4	101.1	3.37	30.978			
1,000.0	994.3	1,003.3	1,000.6	2.2	1.9	94.00	-113.4	-0.9	96.8	92.8	4.00	24.212			
1,100.0	1,091.2	1,100.0	1,096.2	2.6	2.2	100.02	-118.6	12.8	95.0	90.3	4.64	20.460			
1,101.6	1,092.8	1,100.0	1,096.2	2.6	2.2	100.02	-118.6	12.8	95.0	90.3	4.65	20.429	CC, ES		
1,200.0	1,188.1	1,192.8	1,188.0	3.0	2.4	105.15	-127.5	23.7	98.9	93.7	5.28	18.744			
1,300.0	1,284.9	1,287.3	1,281.1	3.5	2.7	109.05	-140.5	32.4	108.4	102.4	5.93	18.259	SF		
1,400.0	1,381.8	1,380.9	1,373.0	3.9	2.9	111.42	-157.3	38.5	122.7	116.1	6.62	18.523			
1,500.0	1,478.7	1,473.2	1,463.0	4.4	3.2	112.50	-177.7	42.3	141.6	134.2	7.36	19.238			
1,600.0	1,575.6	1,563.9	1,550.5	4.9	3.5	112.66	-201.3	43.6	164.7	156.6	8.14	20.247			
1,700.0	1,672.4	1,652.6	1,635.1	5.3	3.9	112.23	-227.7	42.8	192.0	183.1	8.95	21.464			
1,800.0	1,769.3	1,738.9	1,716.4	5.8	4.3	111.48	-256.6	39.8	223.4	213.6	9.78	22.844			
1,900.0	1,866.2	1,822.7	1,794.1	6.3	4.8	110.56	-287.6	35.0	258.6	248.0	10.62	24.357			
2,000.0	1,963.0	1,900.0	1,864.6	6.7	5.3	109.64	-318.8	28.9	297.6	286.2	11.44	26.024			
2,100.0	2,059.9	1,981.8	1,937.8	7.2	5.8	108.64	-354.3	20.6	340.2	327.9	12.29	27.692			
2,200.0	2,156.8	2,056.9	2,003.7	7.7	6.4	107.73	-389.2	11.4	386.3	373.2	13.10	29.483			
2,300.0	2,253.6	2,129.0	2,065.6	8.1	7.0	106.87	-424.6	1.2	435.7	421.8	13.90	31.337			
2,400.0	2,350.5	2,200.0	2,125.2	8.6	7.6	106.06	-461.4	-10.2	488.2	473.5	14.70	33.203			

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 UWF12A-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:	UWF12A-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													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	15.63	106.3	29.7	110.3						
100.0	100.0	100.0	100.0	0.1	0.1	15.63	106.3	29.7	110.3	110.1	0.23	471.749			
200.0	200.0	200.0	200.0	0.3	0.3	15.63	106.3	29.7	110.3	109.7	0.58	189.265			
300.0	300.0	300.0	300.0	0.5	0.5	15.63	106.3	29.7	110.3	109.4	0.93	118.379	CC, ES		
400.0	400.0	397.1	397.1	0.6	0.6	14.53	108.0	28.0	111.6	110.3	1.28	87.135			
500.0	500.0	493.7	493.4	0.8	0.8	11.41	113.3	22.9	115.7	114.1	1.65	69.939			
600.0	600.0	588.9	587.8	1.0	1.1	-116.21	121.8	14.5	124.4	122.4	2.04	60.920			
700.0	699.6	681.3	678.8	1.2	1.4	-123.62	133.3	3.2	140.6	138.1	2.45	57.281	SF		
800.0	798.8	769.5	764.8	1.4	1.8	-131.16	147.3	-10.5	166.2	163.3	2.86	58.025			
900.0	897.1	856.2	848.5	1.8	2.2	-137.90	163.4	-26.3	201.5	198.3	3.25	62.048			
1,000.0	994.3	943.9	933.0	2.2	2.6	-143.54	180.1	-42.6	243.7	240.1	3.61	67.516			
1,100.0	1,091.2	1,030.8	1,016.8	2.6	3.0	-148.23	196.7	-58.8	288.9	285.0	3.94	73.317			
1,200.0	1,188.1	1,117.7	1,100.6	3.0	3.4	-151.69	213.2	-75.1	335.4	331.1	4.26	78.672			
1,300.0	1,284.9	1,204.7	1,184.4	3.5	3.9	-154.33	229.8	-91.3	382.6	378.0	4.58	83.524			
1,400.0	1,381.8	1,291.6	1,268.1	3.9	4.3	-156.40	246.3	-107.5	430.3	425.4	4.90	87.881			
1,500.0	1,478.7	1,378.5	1,351.9	4.4	4.7	-158.06	262.9	-123.7	478.3	473.1	5.21	91.786			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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				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	0.0	0.0	0.0	0.0	10.64	108.3	20.3	110.2						
100.0	100.0	100.0	100.0	0.1	0.1	10.64	108.3	20.3	110.2	109.9	0.23	471.036			
200.0	200.0	200.0	200.0	0.3	0.3	10.64	108.3	20.3	110.2	109.6	0.58	188.979 CC, ES			
300.0	300.0	297.2	297.2	0.5	0.5	9.52	109.8	18.4	111.4	110.5	0.93	119.290			
400.0	400.0	394.0	393.6	0.6	0.7	6.33	114.5	12.7	115.4	114.0	1.31	87.756			
500.0	500.0	489.7	488.6	0.8	1.0	1.56	122.1	3.3	122.7	120.9	1.75	70.077			
600.0	600.0	583.5	580.9	1.0	1.3	-126.77	132.5	-9.4	135.7	133.6	2.13	63.575			
700.0	699.6	675.1	670.2	1.2	1.7	-133.91	145.3	-25.2	157.4	154.9	2.54	62.028 SF			
800.0	798.8	768.4	760.9	1.4	2.1	-140.53	159.1	-42.2	186.4	183.5	2.92	63.889			
900.0	897.1	859.7	849.7	1.8	2.5	-145.91	172.7	-58.8	221.6	218.3	3.27	67.751			
1,000.0	994.3	948.8	936.3	2.2	2.9	-150.33	185.9	-75.1	262.5	258.9	3.60	72.878			
1,100.0	1,091.2	1,037.2	1,022.2	2.6	3.3	-154.14	199.0	-91.2	306.0	302.1	3.92	78.110			
1,200.0	1,188.1	1,125.5	1,108.0	3.0	3.6	-157.02	212.1	-107.3	350.4	346.2	4.23	82.849			
1,300.0	1,284.9	1,213.9	1,193.9	3.5	4.0	-159.26	225.2	-123.4	395.3	390.8	4.54	87.099			
1,400.0	1,381.8	1,302.2	1,279.8	3.9	4.4	-161.05	238.4	-139.5	440.7	435.8	4.85	90.898			
1,500.0	1,478.7	1,390.6	1,365.7	4.4	4.8	-162.52	251.5	-155.7	486.3	481.1	5.16	94.293			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	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	386.024		
200.0	200.0	200.0	200.0	0.3	0.3	9.48	89.0	14.9	90.3	89.7	0.58	154.872		
300.0	300.0	300.0	300.0	0.5	0.5	9.48	89.0	14.9	90.3	89.3	0.93	96.868		
400.0	400.0	400.0	400.0	0.6	0.6	9.48	89.0	14.9	90.3	89.0	1.28	70.473 CC		
406.6	406.6	406.6	406.6	0.7	0.7	9.47	89.1	14.9	90.3	89.0	1.30	69.233		
500.0	500.0	499.9	499.8	0.8	0.8	7.82	89.5	12.3	90.3	88.7	1.63	55.373 ES		
600.0	600.0	598.9	598.5	1.0	1.0	-120.58	90.8	4.7	92.3	90.3	2.02	45.771		
700.0	699.6	693.4	692.3	1.2	1.3	-130.57	94.1	-6.7	101.2	98.7	2.43	41.680 SF		
800.0	798.8	784.4	782.0	1.4	1.6	-140.91	100.3	-20.9	121.1	118.3	2.84	42.684		
900.0	897.1	874.4	870.0	1.8	1.9	-149.58	108.8	-37.4	152.3	149.1	3.21	47.496		
1,000.0	994.3	964.6	958.2	2.2	2.2	-156.08	117.6	-54.3	190.8	187.3	3.54	53.906		
1,100.0	1,091.2	1,054.1	1,045.6	2.6	2.6	-160.86	126.3	-71.1	232.5	228.6	3.86	60.220		
1,200.0	1,188.1	1,143.5	1,133.0	3.0	2.9	-164.22	135.1	-87.8	275.1	270.9	4.17	65.903		
1,300.0	1,284.9	1,233.0	1,220.5	3.5	3.3	-166.68	143.8	-104.6	318.2	313.8	4.48	70.961		
1,400.0	1,381.8	1,322.4	1,307.9	3.9	3.6	-168.56	152.6	-121.3	361.8	357.0	4.79	75.449		
1,500.0	1,478.7	1,411.9	1,395.4	4.4	4.0	-170.04	161.3	-138.1	405.6	400.5	5.11	79.436		
1,600.0	1,575.6	1,501.3	1,482.8	4.9	4.3	-171.24	170.1	-154.8	449.5	444.1	5.42	82.988		
1,700.0	1,672.4	1,590.8	1,570.2	5.3	4.7	-172.22	178.8	-171.6	493.6	487.9	5.73	86.163		

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 UWF12A-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:	UWF12A-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													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	-164.23	-105.2	-29.7	109.3						
100.0	100.0	100.0	100.0	0.1	0.1	-164.23	-105.2	-29.7	109.3	109.1	0.23	467.530			
200.0	200.0	200.0	200.0	0.3	0.3	-164.23	-105.2	-29.7	109.3	108.8	0.58	187.572			
233.4	233.4	233.4	233.4	0.3	0.3	-164.23	-105.2	-29.7	109.3	108.6	0.70	156.293	CC, ES		
300.0	300.0	297.9	297.8	0.5	0.5	-164.42	-105.8	-29.5	109.8	108.9	0.93	118.254			
400.0	400.0	393.3	393.2	0.6	0.6	-165.92	-110.2	-27.6	113.8	112.5	1.29	88.377			
500.0	500.0	488.1	487.5	0.8	0.9	-168.61	-118.9	-23.9	121.9	120.2	1.69	72.199			
600.0	600.0	582.0	580.3	1.0	1.2	66.46	-131.7	-18.5	133.4	131.4	2.01	66.350			
700.0	699.6	675.1	671.6	1.2	1.5	64.91	-148.6	-11.3	147.1	144.7	2.42	60.740			
800.0	798.8	767.4	761.1	1.4	1.9	64.29	-169.4	-2.5	162.8	159.9	2.90	56.196			
900.0	897.1	858.8	848.5	1.8	2.4	64.36	-193.8	7.8	180.4	176.9	3.47	52.049			
1,000.0	994.3	949.1	933.6	2.2	3.0	64.98	-221.7	19.7	199.9	195.7	4.15	48.208			
1,100.0	1,091.2	1,038.1	1,016.0	2.6	3.6	65.61	-252.8	32.9	222.6	217.7	4.89	45.537			
1,200.0	1,188.1	1,125.5	1,095.1	3.0	4.3	65.58	-286.7	47.3	249.1	243.4	5.65	44.088			
1,300.0	1,284.9	1,210.8	1,170.8	3.5	5.0	65.12	-323.1	62.7	279.3	272.9	6.41	43.547			
1,400.0	1,381.8	1,300.0	1,247.9	3.9	5.8	64.30	-364.3	80.2	313.1	305.9	7.19	43.545	SF		
1,500.0	1,478.7	1,384.3	1,319.5	4.4	6.6	63.45	-405.3	97.6	349.3	341.3	7.93	44.040			
1,600.0	1,575.6	1,477.3	1,398.5	4.9	7.5	62.68	-450.5	116.8	385.7	377.0	8.70	44.322			
1,700.0	1,672.4	1,570.4	1,477.5	5.3	8.4	62.04	-495.7	135.9	422.1	412.7	9.47	44.572			
1,800.0	1,769.3	1,663.4	1,556.5	5.8	9.3	61.50	-540.9	155.1	458.6	448.4	10.24	44.796			
1,900.0	1,866.2	1,756.4	1,635.5	6.3	10.2	61.04	-586.1	174.3	495.2	484.2	11.00	44.997			

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 UWF12A-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:	UWF12A-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													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	15.90	96.1	27.4	99.9						
100.0	100.0	100.0	100.0	0.1	0.1	15.90	96.1	27.4	99.9	99.7	0.23	427.350			
200.0	200.0	200.0	200.0	0.3	0.3	15.90	96.1	27.4	99.9	99.4	0.58	171.452			
300.0	300.0	300.0	300.0	0.5	0.5	15.90	96.1	27.4	99.9	99.0	0.93	107.238			
400.0	400.0	400.0	400.0	0.6	0.6	15.90	96.1	27.4	99.9	98.7	1.28	78.018 CC, ES			
500.0	500.0	498.2	498.2	0.8	0.8	14.54	97.6	25.3	100.8	99.2	1.63	61.843			
600.0	600.0	595.6	595.3	1.0	1.0	-112.70	101.9	19.2	104.7	102.7	2.00	52.265			
700.0	699.6	690.7	689.6	1.2	1.3	-121.38	108.8	9.3	114.8	112.4	2.41	47.577			
800.0	798.8	783.1	780.5	1.4	1.6	-131.32	117.9	-4.1	133.8	131.0	2.83	47.225 SF			
900.0	897.1	871.4	866.6	1.8	1.9	-140.60	127.8	-20.8	163.0	159.8	3.25	50.154			
1,000.0	994.3	953.9	946.3	2.2	2.3	-148.31	138.0	-39.8	202.7	199.1	3.63	55.912			
1,100.0	1,091.2	1,031.9	1,020.7	2.6	2.7	-154.55	148.5	-60.9	249.5	245.5	3.96	63.013			
1,200.0	1,188.1	1,106.1	1,090.5	3.0	3.2	-159.21	159.1	-83.6	301.0	296.7	4.27	70.563			
1,300.0	1,284.9	1,176.5	1,155.8	3.5	3.7	-162.77	169.9	-107.6	356.6	352.0	4.57	78.104			
1,400.0	1,381.8	1,243.3	1,216.8	3.9	4.2	-165.57	180.6	-132.5	415.7	410.8	4.85	85.647			
1,500.0	1,478.7	1,300.0	1,267.9	4.4	4.7	-167.61	190.1	-155.2	477.9	472.8	5.12	93.377			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	-164.46	-115.3	-32.1	119.7						
100.0	100.0	100.0	100.0	0.1	0.1	-164.46	-115.3	-32.1	119.7	119.5	0.23	511.879			
200.0	200.0	200.0	200.0	0.3	0.3	-164.46	-115.3	-32.1	119.7	119.1	0.58	205.365 CC, ES			
300.0	300.0	295.2	295.1	0.5	0.5	-165.13	-117.5	-31.2	121.7	120.8	0.93	130.605			
400.0	400.0	389.8	389.5	0.6	0.7	-167.02	-124.1	-28.6	127.8	126.5	1.31	97.224			
500.0	500.0	483.6	482.6	0.8	0.9	-169.77	-134.9	-24.3	138.2	136.4	1.75	78.965			
600.0	600.0	576.4	573.9	1.0	1.3	65.32	-149.7	-18.5	152.0	150.0	2.02	75.115			
700.0	699.6	668.2	663.6	1.2	1.7	63.74	-168.5	-11.1	168.0	165.6	2.44	68.989			
800.0	798.8	759.2	751.2	1.4	2.1	63.04	-190.9	-2.2	185.9	183.0	2.91	63.963			
900.0	897.1	849.0	836.6	1.8	2.6	62.98	-216.9	8.1	205.7	202.2	3.47	59.327			
1,000.0	994.3	937.8	919.6	2.2	3.2	63.48	-246.2	19.7	227.2	223.1	4.13	54.985			
1,100.0	1,091.2	1,025.1	999.7	2.6	3.9	64.11	-278.5	32.4	252.0	247.1	4.86	51.873			
1,200.0	1,188.1	1,110.6	1,076.5	3.0	4.6	64.21	-313.4	46.2	280.6	275.0	5.60	50.085			
1,300.0	1,284.9	1,200.0	1,154.9	3.5	5.3	63.91	-353.3	62.0	312.9	306.5	6.37	49.093 SF			
1,400.0	1,381.8	1,275.1	1,219.2	3.9	6.1	63.41	-389.4	76.2	348.6	341.5	7.09	49.152			
1,500.0	1,478.7	1,359.7	1,290.0	4.4	6.9	62.70	-432.5	93.3	387.5	379.7	7.83	49.486			
1,600.0	1,575.6	1,451.5	1,366.5	4.9	7.8	62.03	-479.8	112.0	427.0	418.4	8.59	49.697			
1,700.0	1,672.4	1,543.3	1,442.9	5.3	8.7	61.47	-527.0	130.6	466.5	457.2	9.35	49.888			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	10.28	99.2	18.0	100.8						
100.0	100.0	100.0	100.0	0.1	0.1	10.28	99.2	18.0	100.8	100.6	0.23	430.943			
200.0	200.0	201.4	201.3	0.3	0.3	9.94	98.9	17.3	100.4	99.9	0.59	171.603			
300.0	300.0	303.8	303.6	0.5	0.5	7.15	97.1	12.2	97.9	96.9	0.94	104.233			
400.0	400.0	405.3	404.5	0.6	0.8	1.22	93.3	2.0	93.5	92.2	1.30	72.163			
500.0	500.0	505.4	503.4	0.8	1.1	-8.41	87.9	-13.0	88.9	87.2	1.68	52.943			
549.6	549.6	554.3	551.3	0.9	1.3	-137.11	84.6	-22.1	87.9	85.7	2.21	39.791	CC, ES		
600.0	600.0	603.2	598.9	1.0	1.5	-144.88	80.9	-32.3	89.2	86.7	2.50	35.634			
700.0	699.6	695.7	688.4	1.2	2.0	-160.78	73.2	-54.7	101.8	98.8	3.05	33.418	SF		
800.0	798.8	782.8	771.8	1.4	2.4	-172.82	67.8	-79.2	130.4	126.9	3.46	37.648			
900.0	897.1	865.1	849.8	1.8	2.9	179.58	64.8	-105.1	171.9	168.1	3.79	45.399			
1,000.0	994.3	941.7	921.6	2.2	3.5	175.05	63.9	-131.8	223.3	219.2	4.07	54.803			
1,100.0	1,091.2	1,014.0	988.5	2.6	4.0	172.41	64.6	-159.1	280.1	275.7	4.39	63.764			
1,200.0	1,188.1	1,082.7	1,051.3	3.0	4.5	170.78	66.8	-186.9	340.1	335.4	4.70	72.277			
1,300.0	1,284.9	1,147.9	1,110.1	3.5	5.1	169.73	70.2	-215.0	402.9	397.9	5.01	80.427			
1,400.0	1,381.8	1,209.7	1,165.0	3.9	5.6	169.05	74.5	-243.1	468.3	463.0	5.31	88.158			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	-164.21	-124.4	-35.2	129.3						
100.0	100.0	100.0	100.0	0.1	0.1	-164.21	-124.4	-35.2	129.3	129.1	0.23	552.982			
133.4	133.4	133.4	133.4	0.2	0.2	-164.21	-124.4	-35.2	129.3	129.0	0.35	369.039	CC, ES		
200.0	200.0	197.4	197.4	0.3	0.3	-164.36	-125.0	-35.0	129.8	129.3	0.58	224.142			
300.0	300.0	292.0	291.8	0.5	0.5	-165.54	-129.4	-33.4	133.9	132.9	0.94	142.064			
400.0	400.0	385.8	385.2	0.6	0.7	-167.68	-138.1	-30.2	142.1	140.8	1.35	105.052			
500.0	500.0	478.6	476.9	0.8	1.0	-170.44	-150.9	-25.4	154.7	152.9	1.82	84.916			
600.0	600.0	570.1	566.8	1.0	1.4	64.67	-167.6	-19.2	170.9	168.8	2.04	83.949			
700.0	699.6	660.7	654.7	1.2	1.8	63.05	-188.1	-11.7	189.1	186.7	2.45	77.314			
800.0	798.8	750.3	740.4	1.4	2.3	62.26	-212.2	-2.7	209.2	206.3	2.91	71.811			
900.0	897.1	838.7	823.8	1.8	2.8	62.09	-239.6	7.4	231.1	227.6	3.47	66.690			
1,000.0	994.3	925.8	904.7	2.2	3.4	62.46	-270.2	18.7	254.7	250.6	4.12	61.851			
1,100.0	1,091.2	1,011.5	982.6	2.6	4.1	63.08	-303.6	31.1	281.5	276.7	4.83	58.291			
1,200.0	1,188.1	1,100.0	1,061.3	3.0	4.8	63.25	-341.5	45.1	312.1	306.6	5.58	55.956			
1,300.0	1,284.9	1,176.7	1,128.0	3.5	5.6	63.10	-377.1	58.2	346.3	340.0	6.30	55.005			
1,400.0	1,381.8	1,255.9	1,195.1	3.9	6.3	62.73	-416.4	72.8	384.0	377.0	7.02	54.669	SF		
1,500.0	1,478.7	1,334.1	1,259.7	4.4	7.1	62.20	-457.8	88.1	425.0	417.3	7.74	54.938			
1,600.0	1,575.6	1,424.6	1,333.6	4.9	8.1	61.60	-506.8	106.2	467.4	458.9	8.49	55.061			

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 UWF12A-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:	UWF12A-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													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	16.05	87.0	25.0	90.5						
100.0	100.0	100.0	100.0	0.1	0.1	16.05	87.0	25.0	90.5	90.3	0.23	387.173			
200.0	200.0	200.0	200.0	0.3	0.3	16.05	87.0	25.0	90.5	90.0	0.58	155.333	CC, ES		
300.0	300.0	297.4	297.4	0.5	0.5	17.39	87.4	27.4	91.6	90.7	0.93	98.789			
400.0	400.0	393.1	392.8	0.6	0.7	20.32	90.5	33.5	96.8	95.5	1.27	76.095			
500.0	500.0	487.9	486.9	0.8	0.9	24.08	96.6	43.2	106.6	105.0	1.63	65.463			
600.0	600.0	581.5	579.1	1.0	1.2	-94.88	105.6	56.2	121.6	119.6	2.03	59.809			
700.0	699.6	673.5	669.0	1.2	1.6	-93.51	117.3	72.3	141.6	139.2	2.44	57.977			
800.0	798.8	769.4	761.8	1.4	2.1	-93.62	131.5	91.5	165.0	162.1	2.92	56.420			
900.0	897.1	866.2	855.6	1.8	2.5	-95.12	145.9	110.9	189.0	185.5	3.51	53.898			
1,000.0	994.3	962.5	948.8	2.2	3.0	-97.64	160.2	130.2	213.8	209.6	4.19	50.979			
1,100.0	1,091.2	1,058.5	1,041.8	2.6	3.4	-100.50	174.5	149.5	239.3	234.4	4.94	48.491			
1,200.0	1,188.1	1,154.6	1,134.8	3.0	3.9	-102.82	188.8	168.8	265.4	259.7	5.70	46.564			
1,300.0	1,284.9	1,250.6	1,227.8	3.5	4.3	-104.72	203.1	188.1	291.7	285.3	6.47	45.063			
1,400.0	1,381.8	1,346.7	1,320.8	3.9	4.8	-106.30	217.4	207.4	318.3	311.1	7.26	43.875			
1,500.0	1,478.7	1,442.7	1,413.8	4.4	5.2	-107.65	231.7	226.6	345.2	337.1	8.04	42.920			
1,600.0	1,575.6	1,538.8	1,506.8	4.9	5.7	-108.79	246.0	245.9	372.1	363.3	8.83	42.140			
1,700.0	1,672.4	1,634.8	1,599.8	5.3	6.1	-109.79	260.3	265.2	399.2	389.6	9.62	41.494			
1,800.0	1,769.3	1,730.9	1,692.8	5.8	6.6	-110.66	274.6	284.5	426.4	416.0	10.41	40.952			
1,900.0	1,866.2	1,826.9	1,785.8	6.3	7.0	-111.42	288.9	303.8	453.6	442.4	11.20	40.491			
2,000.0	1,963.0	1,922.9	1,878.8	6.7	7.5	-112.10	303.2	323.0	481.0	469.0	12.00	40.097	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 UWF12A-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:	UWF12A-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													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	-159.99	-122.4	-44.6	130.3						
100.0	100.0	100.0	100.0	0.1	0.1	-159.99	-122.4	-44.6	130.3	130.1	0.23	557.107			
133.3	133.3	133.3	133.3	0.2	0.2	-159.99	-122.4	-44.6	130.3	129.9	0.35	372.017	CC, ES		
200.0	200.0	196.8	196.8	0.3	0.3	-159.95	-122.9	-44.9	130.9	130.3	0.58	226.505			
300.0	300.0	290.3	290.2	0.5	0.5	-159.61	-126.9	-47.2	135.7	134.8	0.93	146.122			
400.0	400.0	383.1	382.5	0.6	0.7	-159.01	-134.7	-51.7	145.4	144.1	1.31	111.203			
500.0	500.0	474.8	473.2	0.8	1.0	-158.25	-146.3	-58.4	159.8	158.0	1.72	92.678			
600.0	600.0	565.0	561.7	1.0	1.3	80.60	-161.3	-67.0	178.4	176.5	1.93	92.367			
700.0	699.6	653.2	647.4	1.2	1.8	82.67	-179.5	-77.5	201.1	198.8	2.29	87.961			
800.0	798.8	738.8	729.5	1.4	2.2	85.23	-200.4	-89.6	228.2	225.5	2.68	85.113			
900.0	897.1	822.1	808.3	1.8	2.7	87.92	-223.8	-103.1	260.1	257.0	3.14	82.751			
1,000.0	994.3	913.1	893.7	2.2	3.3	90.74	-252.3	-116.8	295.0	291.3	3.71	79.437			
1,100.0	1,091.2	1,005.2	979.5	2.6	3.9	93.18	-283.9	-127.3	330.9	326.6	4.36	75.827			
1,200.0	1,188.1	1,098.2	1,065.5	3.0	4.5	94.42	-318.5	-134.3	367.2	362.1	5.09	72.147			
1,300.0	1,284.9	1,191.6	1,151.0	3.5	5.2	94.75	-356.0	-137.8	403.5	397.6	5.88	68.610			
1,400.0	1,381.8	1,285.1	1,235.4	3.9	5.8	94.38	-396.2	-137.8	439.7	433.0	6.72	65.406			
1,500.0	1,478.7	1,378.2	1,318.1	4.4	6.6	93.49	-438.6	-134.1	475.9	468.3	7.60	62.602	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 UWF12A-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:	UWF12A-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													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	15.90	76.9	21.9	80.0						
100.0	100.0	100.0	100.0	0.1	0.1	15.90	76.9	21.9	80.0	79.7	0.23	341.916			
200.0	200.0	200.0	200.0	0.3	0.3	15.90	76.9	21.9	80.0	79.4	0.58	137.176			
300.0	300.0	300.0	300.0	0.5	0.5	15.90	76.9	21.9	80.0	79.0	0.93	85.799	CC, ES		
400.0	400.0	397.0	397.0	0.6	0.6	17.12	78.1	24.1	81.8	80.5	1.28	64.075			
500.0	500.0	493.6	493.3	0.8	0.8	20.46	81.7	30.5	87.4	85.8	1.62	53.868			
600.0	600.0	589.3	588.2	1.0	1.1	-98.23	87.5	41.0	97.7	95.7	2.01	48.506			
700.0	699.6	683.9	681.3	1.2	1.4	-96.40	95.6	55.5	112.9	110.5	2.44	46.349			
800.0	798.8	778.6	773.6	1.4	1.8	-95.84	105.8	73.9	132.4	129.5	2.93	45.270			
900.0	897.1	876.2	868.6	1.8	2.2	-96.93	116.9	93.8	153.6	150.0	3.52	43.610			
1,000.0	994.3	973.4	963.0	2.2	2.6	-99.40	127.9	113.7	175.6	171.3	4.22	41.598			
1,100.0	1,091.2	1,070.4	1,057.3	2.6	3.1	-102.20	138.9	133.5	198.3	193.3	4.97	39.891			
1,200.0	1,188.1	1,167.3	1,151.6	3.0	3.5	-104.42	149.9	153.3	221.3	215.6	5.74	38.557			
1,300.0	1,284.9	1,264.3	1,245.9	3.5	3.9	-106.23	160.9	173.1	244.7	238.1	6.52	37.512			
1,400.0	1,381.8	1,361.3	1,340.2	3.9	4.3	-107.72	171.9	192.9	268.2	260.9	7.31	36.682			
1,500.0	1,478.7	1,458.3	1,434.5	4.4	4.8	-108.97	182.9	212.7	291.8	283.7	8.10	36.012			
1,600.0	1,575.6	1,555.3	1,528.8	4.9	5.2	-110.03	193.9	232.5	315.6	306.7	8.90	35.464			
1,700.0	1,672.4	1,652.2	1,623.1	5.3	5.6	-110.95	204.9	252.4	339.5	329.8	9.70	35.009			
1,800.0	1,769.3	1,749.2	1,717.4	5.8	6.1	-111.74	215.9	272.2	363.4	352.9	10.49	34.627			
1,900.0	1,866.2	1,846.2	1,811.7	6.3	6.5	-112.44	226.9	292.0	387.4	376.1	11.29	34.302			
2,000.0	1,963.0	1,943.2	1,906.0	6.7	6.9	-113.05	237.9	311.8	411.4	399.3	12.09	34.022			
2,100.0	2,059.9	2,040.2	2,000.3	7.2	7.4	-113.60	248.9	331.6	435.5	422.6	12.89	33.779			
2,200.0	2,156.8	2,137.1	2,094.6	7.7	7.8	-114.09	259.9	351.4	459.6	445.9	13.69	33.567			
2,300.0	2,253.6	2,234.1	2,188.9	8.1	8.3	-114.53	270.9	371.2	483.7	469.2	14.49	33.380	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 UWF12A-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:	UWF12A-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													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	8.90	79.9	12.5	80.9					
100.0	100.0	100.0	100.0	0.1	0.1	8.90	79.9	12.5	80.9	80.7	0.23	345.984		
200.0	200.0	200.0	200.0	0.3	0.3	8.90	79.9	12.5	80.9	80.3	0.58	138.808		
300.0	300.0	300.0	300.0	0.5	0.5	8.90	79.9	12.5	80.9	80.0	0.93	86.820 CC		
327.3	327.3	327.3	327.3	0.5	0.5	8.76	80.0	12.3	80.9	79.9	1.03	78.744		
400.0	400.0	399.9	399.9	0.6	0.6	7.05	80.3	9.9	81.0	79.7	1.28	63.103 ES		
500.0	500.0	499.3	498.9	0.8	0.9	1.58	81.6	2.3	81.6	79.9	1.65	49.529		
600.0	600.0	597.2	596.0	1.0	1.1	-130.40	83.5	-10.3	85.9	83.8	2.10	40.827		
700.0	699.6	692.0	689.3	1.2	1.5	-143.05	86.2	-27.1	99.1	96.5	2.56	38.754 SF		
800.0	798.8	782.6	777.5	1.4	1.8	-154.70	89.3	-47.4	123.9	121.0	2.97	41.687		
900.0	897.1	868.0	859.6	1.8	2.3	-163.56	92.9	-70.3	160.7	157.4	3.33	48.216		
1,000.0	994.3	947.3	935.0	2.2	2.8	-169.88	96.8	-94.8	207.9	204.3	3.65	56.976		
1,100.0	1,091.2	1,022.0	1,004.9	2.6	3.3	-174.45	100.8	-120.7	261.2	257.3	3.96	65.918		
1,200.0	1,188.1	1,092.8	1,070.2	3.0	3.8	-177.72	105.1	-147.7	318.4	314.1	4.27	74.524		
1,300.0	1,284.9	1,159.8	1,131.1	3.5	4.4	179.84	109.4	-175.5	378.9	374.3	4.58	82.652		
1,400.0	1,381.8	1,223.2	1,187.7	3.9	4.9	177.94	113.8	-203.7	442.3	437.4	4.89	90.458		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	16.09	67.8	19.6	70.6					
100.0	100.0	100.0	100.0	0.1	0.1	16.09	67.8	19.6	70.6	70.3	0.23	301.721		
200.0	200.0	200.0	200.0	0.3	0.3	16.09	67.8	19.6	70.6	70.0	0.58	121.050	CC, ES	
300.0	300.0	297.8	297.7	0.5	0.5	17.69	68.7	21.9	72.1	71.2	0.93	77.692		
400.0	400.0	395.0	394.7	0.6	0.7	22.06	71.3	28.9	77.1	75.8	1.27	60.491		
500.0	500.0	491.3	490.1	0.8	1.0	28.10	75.5	40.3	86.2	84.6	1.63	52.922		
600.0	600.0	586.3	583.7	1.0	1.3	-88.65	81.4	56.0	100.1	98.0	2.09	47.936		
700.0	699.6	683.5	678.7	1.2	1.7	-85.85	88.6	75.5	117.2	114.7	2.52	46.536		
800.0	798.8	782.0	774.9	1.4	2.1	-85.80	96.0	95.3	134.3	131.3	3.03	44.384		
900.0	897.1	880.4	871.0	1.8	2.5	-87.67	103.4	115.1	151.1	147.5	3.64	41.516		
1,000.0	994.3	978.4	966.7	2.2	2.9	-90.90	110.7	134.9	168.1	163.8	4.37	38.455		
1,100.0	1,091.2	1,076.3	1,062.2	2.6	3.3	-94.38	118.1	154.6	185.8	180.7	5.16	36.023		
1,200.0	1,188.1	1,174.1	1,157.8	3.0	3.7	-97.24	125.4	174.3	204.1	198.1	5.96	34.220		
1,300.0	1,284.9	1,272.0	1,253.4	3.5	4.1	-99.64	132.8	194.0	222.8	216.0	6.78	32.864		
1,400.0	1,381.8	1,369.8	1,348.9	3.9	4.5	-101.66	140.1	213.8	241.8	234.2	7.60	31.824		
1,500.0	1,478.7	1,467.7	1,444.5	4.4	4.9	-103.39	147.4	233.5	261.0	252.6	8.42	31.011		
1,600.0	1,575.6	1,565.5	1,540.0	4.9	5.3	-104.89	154.8	253.2	280.5	271.2	9.24	30.365		
1,700.0	1,672.4	1,663.4	1,635.6	5.3	5.7	-106.18	162.1	272.9	300.1	290.0	10.06	29.843		
1,800.0	1,769.3	1,761.2	1,731.1	5.8	6.2	-107.32	169.5	292.6	319.8	308.9	10.87	29.414		
1,900.0	1,866.2	1,859.1	1,826.7	6.3	6.6	-108.33	176.8	312.3	339.7	328.0	11.69	29.059		
2,000.0	1,963.0	1,956.9	1,922.3	6.7	7.0	-109.23	184.1	332.1	359.6	347.1	12.50	28.760		
2,100.0	2,059.9	2,054.8	2,017.8	7.2	7.4	-110.03	191.5	351.8	379.6	366.3	13.32	28.506		
2,200.0	2,156.8	2,152.6	2,113.4	7.7	7.8	-110.75	198.8	371.5	399.7	385.6	14.13	28.289		
2,300.0	2,253.6	2,250.4	2,208.9	8.1	8.2	-111.40	206.2	391.2	419.8	404.9	14.94	28.101		
2,400.0	2,350.5	2,348.3	2,304.5	8.6	8.6	-112.00	213.5	410.9	440.0	424.2	15.75	27.938		
2,500.0	2,447.4	2,446.1	2,400.0	9.1	9.0	-112.54	220.8	430.6	460.2	443.6	16.56	27.794		
2,600.0	2,544.3	2,544.0	2,495.6	9.6	9.4	-113.03	228.2	450.4	480.5	463.1	17.37	27.668	SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	6.61	60.7	7.0	61.1						
100.0	100.0	100.0	100.0	0.1	0.1	6.61	60.7	7.0	61.1	60.9	0.23	261.340			
200.0	200.0	200.0	200.0	0.3	0.3	6.61	60.7	7.0	61.1	60.5	0.58	104.849			
300.0	300.0	300.0	300.0	0.5	0.5	6.61	60.7	7.0	61.1	60.2	0.93	65.580			
371.7	371.7	371.7	371.7	0.6	0.6	5.35	60.8	5.7	61.1	59.9	1.18	51.626 CC			
400.0	400.0	400.0	400.0	0.6	0.6	4.16	61.0	4.4	61.1	59.8	1.28	47.635 ES			
500.0	500.0	499.4	499.1	0.8	0.9	-3.08	61.7	-3.3	61.8	60.1	1.65	37.478			
600.0	600.0	597.4	596.2	1.0	1.1	-137.82	62.9	-16.0	66.9	64.8	2.10	31.874 SF			
700.0	699.6	692.4	689.6	1.2	1.5	-152.54	64.5	-32.9	82.2	79.6	2.52	32.565			
800.0	798.8	783.1	778.0	1.4	1.9	-164.45	66.4	-53.5	109.7	106.8	2.90	37.830			
900.0	897.1	868.6	860.3	1.8	2.3	-172.59	68.6	-76.6	148.8	145.5	3.23	46.023			
1,000.0	994.3	948.2	935.9	2.2	2.8	-177.97	70.9	-101.4	197.5	194.0	3.54	55.815			
1,100.0	1,091.2	1,023.2	1,006.0	2.6	3.3	178.37	73.3	-127.7	251.8	248.0	3.86	65.208			
1,200.0	1,188.1	1,100.0	1,076.8	3.0	3.8	175.60	76.1	-157.4	309.7	305.5	4.20	73.789			
1,300.0	1,284.9	1,161.7	1,132.7	3.5	4.4	173.84	78.5	-183.2	370.5	366.0	4.51	82.099			
1,400.0	1,381.8	1,225.4	1,189.6	3.9	4.9	172.32	81.2	-211.9	434.2	429.3	4.84	89.770			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	15.90	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	256.446			
200.0	200.0	200.0	200.0	0.3	0.3	15.90	57.7	16.4	60.0	59.4	0.58	102.886			
300.0	300.0	300.0	300.0	0.5	0.5	15.90	57.7	16.4	60.0	59.0	0.93	64.352 CC, ES			
400.0	400.0	398.5	398.5	0.6	0.6	18.02	58.2	18.9	61.2	59.9	1.28	47.858			
500.0	500.0	496.5	496.2	0.8	0.9	23.84	59.6	26.3	65.3	63.7	1.62	40.196			
600.0	600.0	593.7	592.5	1.0	1.1	-92.05	62.0	38.6	73.4	71.4	2.05	35.782			
700.0	699.6	690.1	687.4	1.2	1.4	-88.02	65.3	55.4	85.6	83.1	2.50	34.280			
800.0	798.8	789.1	784.3	1.4	1.8	-86.83	69.1	75.1	99.6	96.6	3.02	33.007			
900.0	897.1	888.0	881.2	1.8	2.2	-88.49	72.9	94.8	113.3	109.7	3.64	31.124			
1,000.0	994.3	986.7	977.9	2.2	2.6	-92.10	76.8	114.4	127.3	122.9	4.38	29.050			
1,100.0	1,091.2	1,085.2	1,074.3	2.6	2.9	-95.92	80.6	134.0	141.9	136.7	5.17	27.444			
1,200.0	1,188.1	1,183.8	1,170.8	3.0	3.3	-99.01	84.4	153.6	157.0	151.1	5.98	26.276			
1,300.0	1,284.9	1,282.3	1,267.3	3.5	3.7	-101.56	88.2	173.3	172.5	165.7	6.79	25.414			
1,400.0	1,381.8	1,380.8	1,363.8	3.9	4.1	-103.69	92.0	192.9	188.3	180.7	7.60	24.766			
1,500.0	1,478.7	1,479.4	1,460.3	4.4	4.5	-105.49	95.8	212.5	204.3	195.8	8.42	24.269			
1,600.0	1,575.6	1,577.9	1,556.7	4.9	4.9	-107.03	99.7	232.1	220.4	211.2	9.23	23.881			
1,700.0	1,672.4	1,676.4	1,653.2	5.3	5.3	-108.36	103.5	251.7	236.7	226.6	10.04	23.573			
1,800.0	1,769.3	1,774.9	1,749.7	5.8	5.7	-109.51	107.3	271.3	253.1	242.2	10.85	23.324			
1,900.0	1,866.2	1,873.5	1,846.2	6.3	6.1	-110.53	111.1	290.9	269.6	257.9	11.66	23.121			
2,000.0	1,963.0	1,972.0	1,942.7	6.7	6.5	-111.43	114.9	310.5	286.1	273.6	12.46	22.953			
2,100.0	2,059.9	2,070.5	2,039.1	7.2	6.9	-112.23	118.8	330.1	302.7	289.4	13.27	22.813			
2,200.0	2,156.8	2,169.0	2,135.6	7.7	7.2	-112.94	122.6	349.7	319.4	305.3	14.07	22.694			
2,300.0	2,253.6	2,267.6	2,232.1	8.1	7.6	-113.59	126.4	369.3	336.1	321.2	14.88	22.594			
2,400.0	2,350.5	2,366.1	2,328.6	8.6	8.0	-114.17	130.2	388.9	352.8	337.2	15.68	22.507			
2,500.0	2,447.4	2,464.6	2,425.1	9.1	8.4	-114.70	134.0	408.5	369.6	353.1	16.48	22.433			
2,600.0	2,544.3	2,563.2	2,521.5	9.6	8.8	-115.19	137.8	428.2	386.4	369.1	17.28	22.368			
2,700.0	2,641.1	2,661.7	2,618.0	10.0	9.2	-115.64	141.7	447.8	403.2	385.2	18.07	22.311			
2,800.0	2,738.0	2,760.2	2,714.5	10.5	9.6	-116.05	145.5	467.4	420.1	401.2	18.87	22.262			
2,900.0	2,834.9	2,858.7	2,811.0	11.0	10.0	-116.42	149.3	487.0	437.0	417.3	19.67	22.218			
3,000.0	2,931.7	2,957.3	2,907.5	11.5	10.4	-116.77	153.1	506.6	453.9	433.4	20.46	22.178			
3,100.0	3,028.6	3,055.8	3,003.9	11.9	10.8	-117.10	156.9	526.2	470.8	449.5	21.26	22.144			
3,200.0	3,125.5	3,154.3	3,100.4	12.4	11.2	-117.40	160.7	545.8	487.7	465.6	22.05	22.112 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 UWF12A-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:	UWF12A-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													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	15.89	38.5	11.0	40.0						
100.0	100.0	100.0	100.0	0.1	0.1	15.89	38.5	11.0	40.0	39.8	0.23	170.976			
200.0	200.0	200.0	200.0	0.3	0.3	15.89	38.5	11.0	40.0	39.4	0.58	68.595			
300.0	300.0	300.0	300.0	0.5	0.5	15.89	38.5	11.0	40.0	39.1	0.93	42.904 CC, ES			
400.0	400.0	399.3	399.3	0.6	0.6	19.37	38.5	13.5	40.8	39.5	1.28	31.881			
500.0	500.0	498.1	497.7	0.8	0.9	28.78	38.6	21.2	44.1	42.5	1.63	27.115			
600.0	600.0	596.1	594.9	1.0	1.1	-83.69	38.8	33.9	51.4	49.3	2.06	24.929			
700.0	699.6	693.4	690.6	1.2	1.5	-77.81	39.1	51.3	62.3	59.8	2.51	24.820			
800.0	798.8	792.6	787.6	1.4	1.8	-76.02	39.4	71.8	74.2	71.2	3.02	24.567			
900.0	897.1	891.9	884.9	1.8	2.2	-78.08	39.7	92.3	85.0	81.4	3.65	23.290			
1,000.0	994.3	991.1	981.9	2.2	2.6	-82.71	40.0	112.8	95.2	90.8	4.42	21.533			
1,100.0	1,091.2	1,090.2	1,078.8	2.6	3.0	-87.51	40.3	133.3	105.8	100.6	5.25	20.154			
1,200.0	1,188.1	1,189.2	1,175.8	3.0	3.4	-91.42	40.6	153.7	117.1	111.0	6.10	19.193			
1,300.0	1,284.9	1,288.3	1,272.7	3.5	3.8	-94.64	40.9	174.2	128.7	121.8	6.95	18.513			
1,400.0	1,381.8	1,387.4	1,369.7	3.9	4.2	-97.31	41.2	194.7	140.7	132.9	7.81	18.024			
1,500.0	1,478.7	1,486.5	1,466.6	4.4	4.6	-99.56	41.5	215.1	153.0	144.4	8.66	17.665			
1,600.0	1,575.6	1,585.6	1,563.5	4.9	5.0	-101.48	41.8	235.6	165.5	156.0	9.51	17.398			
1,700.0	1,672.4	1,684.6	1,660.5	5.3	5.4	-103.12	42.2	256.1	178.1	167.7	10.36	17.195			
1,800.0	1,769.3	1,783.7	1,757.4	5.8	5.8	-104.55	42.5	276.5	190.9	179.7	11.20	17.040			
1,900.0	1,866.2	1,882.8	1,854.4	6.3	6.2	-105.80	42.8	297.0	203.7	191.7	12.04	16.919			
2,000.0	1,963.0	1,981.9	1,951.3	6.7	6.6	-106.90	43.1	317.4	216.6	203.8	12.88	16.825			
2,100.0	2,059.9	2,081.0	2,048.3	7.2	7.0	-107.88	43.4	337.9	229.6	215.9	13.71	16.750			
2,200.0	2,156.8	2,180.0	2,145.2	7.7	7.4	-108.75	43.7	358.4	242.7	228.2	14.54	16.690			
2,300.0	2,253.6	2,279.1	2,242.1	8.1	7.8	-109.53	44.0	378.8	255.8	240.5	15.37	16.643			
2,400.0	2,350.5	2,378.2	2,339.1	8.6	8.2	-110.24	44.3	399.3	269.0	252.8	16.20	16.605			
2,500.0	2,447.4	2,477.3	2,436.0	9.1	8.6	-110.88	44.6	419.8	282.2	265.1	17.02	16.574			
2,600.0	2,544.3	2,576.4	2,533.0	9.6	9.0	-111.46	44.9	440.2	295.4	277.5	17.85	16.549			
2,700.0	2,641.1	2,675.4	2,629.9	10.0	9.4	-111.99	45.2	460.7	308.6	290.0	18.67	16.529			
2,800.0	2,738.0	2,774.5	2,726.8	10.5	9.8	-112.48	45.6	481.2	321.9	302.4	19.49	16.513			
2,900.0	2,834.9	2,873.6	2,823.8	11.0	10.2	-112.93	45.9	501.6	335.2	314.9	20.32	16.501			
3,000.0	2,931.7	2,972.7	2,920.7	11.5	10.6	-113.35	46.2	522.1	348.5	327.4	21.14	16.490			
3,100.0	3,028.6	3,071.7	3,017.7	11.9	11.0	-113.74	46.5	542.6	361.9	339.9	21.95	16.482			
3,200.0	3,125.5	3,170.8	3,114.6	12.4	11.4	-114.09	46.8	563.0	375.2	352.4	22.77	16.476			
3,300.0	3,222.3	3,269.9	3,211.6	12.9	11.8	-114.43	47.1	583.5	388.6	365.0	23.59	16.471			
3,400.0	3,319.2	3,369.0	3,308.5	13.3	12.2	-114.74	47.4	604.0	401.9	377.5	24.41	16.468			
3,500.0	3,416.1	3,468.1	3,405.4	13.8	12.6	-115.03	47.7	624.4	415.3	390.1	25.22	16.465			
3,600.0	3,513.0	3,567.1	3,502.4	14.3	13.0	-115.30	48.0	644.9	428.7	402.7	26.04	16.463			
3,700.0	3,609.8	3,666.2	3,599.3	14.8	13.4	-115.56	48.3	665.3	442.1	415.3	26.86	16.463			
3,800.0	3,706.7	3,765.3	3,696.3	15.2	13.8	-115.80	48.6	685.8	455.5	427.9	27.67	16.462 SF			
3,900.0	3,803.6	3,864.4	3,793.2	15.7	14.2	-116.03	49.0	706.3	469.0	440.5	28.49	16.462			
4,000.0	3,900.4	3,963.5	3,890.2	16.2	14.6	-116.24	49.3	726.7	482.4	453.1	29.30	16.463			
4,100.0	3,997.3	4,062.5	3,987.1	16.7	15.0	-116.45	49.6	747.2	495.8	465.7	30.11	16.464			

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 UWF12A-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:	UWF12A-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													Offset Site Error:	0.0 ft		
Survey Program: O-MWD													Offset Well Error:		0.0 ft	
Reference													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	15.89	19.2	5.5	20.0							
100.0	100.0	100.0	100.0	0.1	0.1	15.89	19.2	5.5	20.0	19.8	0.23	85.506				
200.0	200.0	200.0	200.0	0.3	0.3	15.89	19.2	5.5	20.0	19.4	0.58	34.305				
300.0	300.0	300.0	300.0	0.5	0.5	15.89	19.2	5.5	20.0	19.1	0.93	21.457				
374.0	374.0	374.0	374.0	0.6	0.6	20.00	18.7	6.8	19.9	18.8	1.19	16.741 CC				
400.0	400.0	400.0	400.0	0.6	0.6	23.40	18.3	7.9	20.0	18.7	1.28	15.579 ES				
500.0	500.0	499.2	498.8	0.8	0.9	43.28	16.3	15.4	22.5	20.8	1.63	13.783				
600.0	600.0	597.6	596.5	1.0	1.1	-62.69	13.9	27.8	30.0	27.9	2.05	14.658				
700.0	699.6	695.5	692.7	1.2	1.5	-55.95	10.9	45.1	40.4	38.0	2.45	16.477				
800.0	798.8	794.7	789.7	1.4	1.8	-55.02	7.7	65.7	50.8	47.9	2.92	17.441				
900.0	897.1	894.4	887.1	1.8	2.2	-58.56	4.4	86.4	58.4	54.9	3.50	16.696				
1,000.0	994.3	993.9	984.5	2.2	2.6	-65.33	1.2	107.0	63.9	59.7	4.27	14.980				
1,100.0	1,091.2	1,093.4	1,081.8	2.6	3.0	-72.32	-2.0	127.7	69.7	64.5	5.14	13.553				
1,200.0	1,188.1	1,192.9	1,179.0	3.0	3.4	-78.19	-5.3	148.4	76.3	70.3	6.05	12.610				
1,300.0	1,284.9	1,292.4	1,276.3	3.5	3.8	-83.08	-8.5	169.0	83.6	76.7	6.97	11.992				
1,400.0	1,381.8	1,391.9	1,373.6	3.9	4.2	-87.16	-11.8	189.7	91.4	83.6	7.89	11.588				
1,500.0	1,478.7	1,491.4	1,470.9	4.4	4.6	-90.58	-15.0	210.3	99.6	90.8	8.80	11.324				
1,600.0	1,575.6	1,590.9	1,568.1	4.9	5.1	-93.48	-18.3	231.0	108.2	98.5	9.70	11.151				
1,700.0	1,672.4	1,690.4	1,665.4	5.3	5.5	-95.95	-21.5	251.7	116.9	106.3	10.59	11.041				
1,800.0	1,769.3	1,789.9	1,762.7	5.8	5.9	-98.08	-24.8	272.3	125.8	114.4	11.47	10.973				
1,900.0	1,866.2	1,889.4	1,860.0	6.3	6.3	-99.92	-28.0	293.0	134.9	122.6	12.34	10.934				
2,000.0	1,963.0	1,988.9	1,957.2	6.7	6.7	-101.53	-31.3	313.7	144.1	130.9	13.20	10.915				
2,100.0	2,059.9	2,088.4	2,054.5	7.2	7.1	-102.94	-34.5	334.3	153.4	139.3	14.06	10.911 SF				
2,200.0	2,156.8	2,187.9	2,151.8	7.7	7.5	-104.20	-37.8	355.0	162.8	147.8	14.91	10.916				
2,300.0	2,253.6	2,287.4	2,249.1	8.1	7.9	-105.31	-41.0	375.6	172.2	156.4	15.76	10.928				
2,400.0	2,350.5	2,386.9	2,346.4	8.6	8.3	-106.31	-44.3	396.3	181.7	165.1	16.60	10.945				
2,500.0	2,447.4	2,486.4	2,443.6	9.1	8.7	-107.21	-47.5	417.0	191.3	173.8	17.44	10.966				
2,600.0	2,544.3	2,585.9	2,540.9	9.6	9.1	-108.03	-50.8	437.6	200.8	182.6	18.28	10.988				
2,700.0	2,641.1	2,685.4	2,638.2	10.0	9.6	-108.77	-54.0	458.3	210.5	191.4	19.11	11.012				
2,800.0	2,738.0	2,784.9	2,735.5	10.5	10.0	-109.44	-57.3	479.0	220.1	200.2	19.95	11.037				
2,900.0	2,834.9	2,884.4	2,832.7	11.0	10.4	-110.06	-60.5	499.6	229.8	209.1	20.78	11.062				
3,000.0	2,931.7	2,983.9	2,930.0	11.5	10.8	-110.63	-63.8	520.3	239.6	217.9	21.61	11.087				
3,100.0	3,028.6	3,083.4	3,027.3	11.9	11.2	-111.15	-67.0	540.9	249.3	226.9	22.43	11.112				
3,200.0	3,125.5	3,182.9	3,124.6	12.4	11.6	-111.64	-70.2	561.6	259.0	235.8	23.26	11.137				
3,300.0	3,222.3	3,282.4	3,221.8	12.9	12.0	-112.09	-73.5	582.3	268.8	244.7	24.08	11.161				
3,400.0	3,319.2	3,381.9	3,319.1	13.3	12.4	-112.50	-76.7	602.9	278.6	253.7	24.91	11.185				
3,500.0	3,416.1	3,481.4	3,416.4	13.8	12.8	-112.89	-80.0	623.6	288.4	262.7	25.73	11.208				
3,600.0	3,513.0	3,580.9	3,513.7	14.3	13.2	-113.26	-83.2	644.3	298.2	271.7	26.55	11.231				
3,700.0	3,609.8	3,680.4	3,610.9	14.8	13.7	-113.60	-86.5	664.9	308.0	280.7	27.37	11.253				
3,800.0	3,706.7	3,779.9	3,708.2	15.2	14.1	-113.92	-89.7	685.6	317.9	289.7	28.20	11.274				
3,900.0	3,803.6	3,879.4	3,805.5	15.7	14.5	-114.22	-93.0	706.2	327.7	298.7	29.02	11.295				
4,000.0	3,900.4	3,978.9	3,902.8	16.2	14.9	-114.50	-96.2	726.9	337.6	307.7	29.83	11.315				
4,100.0	3,997.3	4,078.4	4,001.1	16.7	15.3	-114.77	-99.5	747.6	347.4	316.8	30.65	11.334				
4,200.0	4,094.2	4,177.9	4,097.3	17.1	15.7	-115.02	-102.7	768.2	357.3	325.8	31.47	11.353				
4,300.0	4,191.0	4,277.4	4,194.6	17.6	16.1	-115.26	-106.0	788.9	367.2	334.9	32.29	11.371				
4,400.0	4,287.9	4,376.9	4,291.9	18.1	16.5	-115.48	-109.2	809.6	377.1	344.0	33.11	11.389				
4,500.0	4,384.8	4,476.4	4,389.2	18.6	16.9	-115.70	-112.5	830.2	386.9	353.0	33.92	11.406				
4,600.0	4,481.6	4,575.9	4,486.4	19.0	17.4	-115.90	-115.7	850.9	396.8	362.1	34.74	11.423				
4,700.0	4,578.5	4,675.4	4,583.7	19.5	17.8	-116.10	-119.0	871.5	406.7	371.2	35.56	11.439				
4,800.0	4,675.4	4,774.9	4,681.0	20.0	18.2	-116.28	-122.2	892.2	416.6	380.3	36.37	11.454				
4,900.0	4,772.3	4,874.4	4,778.3	20.5	18.6	-116.46	-125.5	912.9	426.5	389.3	37.19	11.469				
5,000.0	4,869.1	4,973.9	4,875.5	20.9	19.0	-116.63	-128.7	933.5	436.4	398.4	38.00	11.484				

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 UWF12A-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:	UWF12A-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													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			
5,100.0	4,966.0	5,073.4	4,972.8	21.4	19.4	-116.79	-131.9	954.2	446.4	407.5	38.82	11.498			
5,200.0	5,062.9	5,172.9	5,070.1	21.9	19.8	-116.94	-135.2	974.9	456.3	416.6	39.64	11.512			
5,300.0	5,159.7	5,272.4	5,167.4	22.4	20.2	-117.09	-138.4	995.5	466.2	425.7	40.45	11.525			
5,400.0	5,256.6	5,371.9	5,264.7	22.8	20.6	-117.23	-141.7	1,016.2	476.1	434.8	41.26	11.538			
5,500.0	5,353.5	5,471.4	5,361.9	23.3	21.1	-117.36	-144.9	1,036.8	486.0	444.0	42.08	11.550			
5,600.0	5,450.3	5,570.9	5,459.2	23.8	21.5	-117.49	-148.2	1,057.5	496.0	453.1	42.89	11.563			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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									
0.0	0.0	0.0	0.0	0.0	0.0	17.17	10.1	3.1	10.6												
100.0	100.0	100.0	100.0	0.1	0.1	17.17	10.1	3.1	10.6	10.4	0.23	45.320									
200.0	200.0	200.0	200.0	0.3	0.3	17.17	10.1	3.1	10.6	10.0	0.58	18.182									
282.0	282.0	282.0	282.0	0.4	0.4	22.62	9.7	4.1	10.5	9.7	0.87	12.111 CC									
300.0	300.0	300.0	300.0	0.5	0.5	26.25	9.5	4.7	10.5	9.6	0.93	11.308 ES									
400.0	400.0	399.6	399.3	0.6	0.7	58.07	6.8	10.9	12.8	11.5	1.28	10.017									
500.0	500.0	498.2	497.2	0.8	0.9	84.50	2.1	21.7	22.0	20.3	1.66	13.240									
600.0	600.0	595.8	593.4	1.0	1.3	-26.82	-4.5	36.9	35.5	33.5	2.00	17.699									
700.0	699.6	693.7	688.9	1.2	1.7	-22.98	-12.9	56.3	49.2	46.9	2.36	20.873									
800.0	798.8	793.2	785.9	1.4	2.1	-22.43	-21.8	76.8	59.1	56.3	2.73	21.629									
900.0	897.1	893.0	883.2	1.8	2.5	-23.82	-30.7	97.3	64.1	60.9	3.14	20.427									
1,000.0	994.3	993.0	980.6	2.2	2.9	-26.98	-39.6	117.9	64.5	60.9	3.62	17.828									
1,100.0	1,091.2	1,092.9	1,078.0	2.6	3.4	-30.83	-48.5	138.4	63.8	59.6	4.20	15.187									
1,200.0	1,188.1	1,192.8	1,175.3	3.0	3.8	-34.76	-57.4	158.9	63.3	58.5	4.87	13.014									
1,300.0	1,284.9	1,292.7	1,272.7	3.5	4.2	-38.72	-66.2	179.5	63.2	57.6	5.62	11.241									
1,302.3	1,287.2	1,295.0	1,274.9	3.5	4.2	-38.81	-66.5	180.0	63.2	57.5	5.64	11.205									
1,400.0	1,381.8	1,392.6	1,370.1	3.9	4.6	-42.68	-75.1	200.0	63.3	56.9	6.46	9.809									
1,500.0	1,478.7	1,492.5	1,467.4	4.4	5.1	-46.61	-84.0	220.6	63.8	56.4	7.36	8.659									
1,600.0	1,575.6	1,592.4	1,564.8	4.9	5.5	-50.46	-92.9	241.1	64.5	56.2	8.33	7.740									
1,700.0	1,672.4	1,692.3	1,662.2	5.3	5.9	-54.21	-101.8	261.6	65.5	56.2	9.35	7.008									
1,800.0	1,769.3	1,792.2	1,759.5	5.8	6.4	-57.83	-110.7	282.2	66.8	56.4	10.40	6.425									
1,900.0	1,866.2	1,892.1	1,856.9	6.3	6.8	-61.30	-119.6	302.7	68.4	56.9	11.48	5.959									
2,000.0	1,963.0	1,992.0	1,954.3	6.7	7.2	-64.60	-128.5	323.2	70.2	57.6	12.56	5.588									
2,100.0	2,059.9	2,091.9	2,051.6	7.2	7.7	-67.73	-137.4	343.8	72.2	58.5	13.65	5.290									
2,200.0	2,156.8	2,191.8	2,149.0	7.7	8.1	-70.68	-146.3	364.3	74.4	59.7	14.73	5.052									
2,300.0	2,253.6	2,291.7	2,246.4	8.1	8.5	-73.46	-155.2	384.9	76.8	61.0	15.80	4.861									
2,400.0	2,350.5	2,391.6	2,343.7	8.6	9.0	-76.06	-164.1	405.4	79.4	62.5	16.86	4.709									
2,500.0	2,447.4	2,491.5	2,441.1	9.1	9.4	-78.49	-173.0	425.9	82.1	64.2	17.91	4.586									
2,600.0	2,544.3	2,591.4	2,538.5	9.6	9.8	-80.76	-181.9	446.5	85.0	66.0	18.93	4.488									
2,700.0	2,641.1	2,691.3	2,635.8	10.0	10.3	-82.88	-190.8	467.0	88.0	68.0	19.95	4.411									
2,800.0	2,738.0	2,791.2	2,733.2	10.5	10.7	-84.86	-199.7	487.6	91.1	70.1	20.94	4.349									
2,900.0	2,834.9	2,891.1	2,830.5	11.0	11.2	-86.71	-208.6	508.1	94.3	72.4	21.92	4.301									
3,000.0	2,931.7	2,991.0	2,927.9	11.5	11.6	-88.43	-217.5	528.6	97.6	74.7	22.88	4.264									
3,100.0	3,028.6	3,090.9	3,025.3	11.9	12.0	-90.04	-226.3	549.2	101.0	77.1	23.83	4.236									
3,200.0	3,125.5	3,190.8	3,122.6	12.4	12.5	-91.55	-235.2	569.7	104.4	79.6	24.77	4.215									
3,300.0	3,222.3	3,290.8	3,220.0	12.9	12.9	-92.95	-244.1	590.2	107.9	82.2	25.69	4.201									
3,400.0	3,319.2	3,390.7	3,317.4	13.3	13.3	-94.27	-253.0	610.8	111.5	84.9	26.61	4.191									
3,500.0	3,416.1	3,490.6	3,414.7	13.8	13.8	-95.51	-261.9	631.3	115.1	87.6	27.51	4.186									
3,600.0	3,513.0	3,590.5	3,512.1	14.3	14.2	-96.67	-270.8	651.9	118.8	90.4	28.40	4.184									
3,700.0	3,609.8	3,690.4	3,609.5	14.8	14.6	-97.76	-279.7	672.4	122.6	93.3	29.28	4.186									
3,800.0	3,706.7	3,790.3	3,706.8	15.2	15.1	-98.78	-288.6	692.9	126.3	96.2	30.16	4.189									
3,900.0	3,803.6	3,890.2	3,804.2	15.7	15.5	-99.75	-297.5	713.5	130.1	99.1	31.02	4.195									
4,000.0	3,900.4	3,990.1	3,901.6	16.2	15.9	-100.65	-306.4	734.0	134.0	102.1	31.88	4.203									
4,100.0	3,997.3	4,090.0	3,998.9	16.7	16.4	-101.51	-315.3	754.5	137.9	105.1	32.74	4.211									
4,200.0	4,094.2	4,189.9	4,096.3	17.1	16.8	-102.33	-324.2	775.1	141.8	108.2	33.59	4.221									
4,300.0	4,191.0	4,289.8	4,193.7	17.6	17.2	-103.09	-333.1	795.6	145.7	111.3	34.43	4.232									
4,400.0	4,287.9	4,389.7	4,291.0	18.1	17.7	-103.82	-342.0	816.2	149.7	114.4	35.27	4.244									
4,500.0	4,384.8	4,489.6	4,388.4	18.6	18.1	-104.51	-350.9	836.7	153.7	117.6	36.10	4.256									
4,600.0	4,481.6	4,589.5	4,485.7	19.0	18.5	-105.17	-359.8	857.2	157.7	120.7	36.93	4.269									
4,700.0	4,578.5	4,689.4	4,583.1	19.5	19.0	-105.79	-368.7	877.8	161.7	123.9	37.76	4.282									
4,800.0	4,675.4	4,789.3	4,680.5	20.0	19.4	-106.38	-377.6	898.3	165.7	127.1	38.58	4.295									
4,900.0	4,772.3	4,889.2	4,777.8	20.5	19.9	-106.94	-386.5	918.9	169.8	130.4	39.40	4.309									

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 UWF12A-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:	UWF12A-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													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	Warning									
5,000.0	4,869.1	4,989.1	4,875.2	20.9	20.3	-107.48	-395.3	939.4	173.8	133.6	40.22	4.323										
5,100.0	4,966.0	5,089.0	4,972.6	21.4	20.7	-107.99	-404.2	959.9	177.9	136.9	41.03	4.337										
5,200.0	5,062.9	5,188.9	5,069.9	21.9	21.2	-108.48	-413.1	980.5	182.0	140.2	41.84	4.350										
5,300.0	5,159.7	5,288.8	5,167.3	22.4	21.6	-108.95	-422.0	1,001.0	186.2	143.5	42.65	4.364										
5,400.0	5,256.6	5,388.7	5,264.7	22.8	22.0	-109.40	-430.9	1,021.5	190.3	146.8	43.46	4.378										
5,500.0	5,353.5	5,488.6	5,362.0	23.3	22.5	-109.83	-439.8	1,042.1	194.4	150.1	44.27	4.392										
5,600.0	5,450.3	5,588.5	5,459.4	23.8	22.9	-110.24	-448.7	1,062.6	198.6	153.5	45.07	4.406										
5,700.0	5,547.2	5,688.4	5,556.8	24.3	23.3	-110.63	-457.6	1,083.2	202.7	156.8	45.87	4.419										
5,800.0	5,644.1	5,788.4	5,654.1	24.7	23.8	-111.01	-466.5	1,103.7	206.9	160.2	46.67	4.433										
5,900.0	5,741.0	5,888.3	5,715.5	25.2	24.2	-111.38	-475.4	1,124.2	211.1	163.6	47.47	4.446										
6,000.0	5,837.8	5,988.2	5,848.9	25.7	24.6	-111.73	-484.3	1,144.8	215.2	167.0	48.27	4.459										
6,100.0	5,934.7	6,088.1	5,946.2	26.2	25.1	-112.06	-493.2	1,165.3	219.4	170.4	49.07	4.472										
6,200.0	6,031.6	6,188.0	6,043.6	26.6	25.5	-112.39	-502.1	1,185.8	223.6	173.8	49.86	4.485										
6,300.0	6,128.4	6,287.9	6,140.9	27.1	25.9	-112.70	-511.0	1,206.4	227.8	177.2	50.66	4.498										
6,400.0	6,225.3	6,387.8	6,238.3	27.6	26.4	-113.00	-519.9	1,226.9	232.1	180.6	51.45	4.510										
6,500.0	6,322.2	6,487.7	6,335.7	28.1	26.8	-113.29	-528.8	1,247.5	236.3	184.0	52.24	4.522										
6,600.0	6,419.0	6,587.6	6,433.0	28.6	27.2	-113.57	-537.7	1,268.0	240.5	187.5	53.03	4.535										
6,700.0	6,515.9	6,687.5	6,530.4	29.0	27.7	-113.83	-546.6	1,288.5	244.7	190.9	53.83	4.547										
6,800.0	6,612.8	6,787.4	6,627.8	29.5	28.1	-114.10	-555.4	1,309.1	249.0	194.3	54.62	4.558										
6,900.0	6,709.7	6,887.3	6,725.1	30.0	28.6	-114.35	-564.3	1,329.6	253.2	197.8	55.40	4.570										
7,000.0	6,806.5	6,987.2	6,822.5	30.5	29.0	-114.59	-573.2	1,350.2	257.4	201.2	56.19	4.581										
7,100.0	6,903.6	7,086.6	6,919.4	30.9	29.4	-114.72	-582.1	1,370.5	261.3	204.3	56.99	4.585										
7,200.0	7,001.7	7,182.9	7,013.8	31.2	29.7	-114.60	-589.4	1,387.5	264.1	206.4	57.68	4.579										
7,300.0	7,100.7	7,279.2	7,109.2	31.5	30.0	-114.48	-594.8	1,400.1	266.1	207.9	58.21	4.572										
7,400.0	7,200.3	7,375.5	7,205.1	31.7	30.2	-114.36	-598.4	1,408.2	267.3	208.8	58.58	4.564										
7,500.0	7,300.2	7,471.9	7,301.4	31.8	30.3	-114.24	-600.0	1,411.9	267.7	208.9	58.79	4.554										
7,599.0	7,399.2	7,569.7	7,399.2	31.8	30.3	151.11	-600.1	1,412.1	267.9	209.0	58.93	4.546										
7,600.0	7,400.2	7,570.8	7,400.3	31.8	30.3	128.35	-600.1	1,412.1	267.7	208.8	58.96	4.541										
7,700.0	7,500.2	7,670.8	7,500.3	31.9	30.4	128.36	-600.1	1,412.1	267.7	208.6	59.11	4.529										
7,800.0	7,600.2	7,770.9	7,600.4	32.0	30.5	128.36	-600.2	1,412.0	267.7	208.4	59.27	4.517										
7,900.0	7,700.2	7,871.0	7,700.5	32.0	30.6	128.36	-600.2	1,411.9	267.7	208.3	59.43	4.505										
8,000.0	7,800.2	7,971.0	7,800.5	32.1	30.6	128.36	-600.3	1,411.8	267.7	208.1	59.58	4.493										
8,100.0	7,900.2	8,071.1	7,900.6	32.2	30.7	128.36	-600.4	1,411.6	267.7	208.0	59.74	4.481										
8,200.0	8,000.2	8,171.2	8,000.7	32.3	30.8	128.37	-600.5	1,411.4	267.7	207.8	59.90	4.469										
8,300.0	8,100.2	8,271.2	8,100.7	32.3	30.9	128.37	-600.7	1,411.2	267.7	207.6	60.06	4.457										
8,400.0	8,200.2	8,371.3	8,200.8	32.4	30.9	128.37	-600.9	1,411.0	267.7	207.4	60.23	4.444										
8,500.0	8,300.2	8,471.4	8,300.8	32.5	31.0	128.37	-601.0	1,410.7	267.7	207.3	60.39	4.432										
8,600.0	8,400.2	8,571.4	8,400.9	32.6	31.1	128.38	-601.3	1,410.4	267.6	207.1	60.55	4.420										
8,700.0	8,500.2	8,671.5	8,501.0	32.6	31.2	128.38	-601.5	1,410.0	267.6	206.9	60.72	4.408										
8,800.0	8,600.2	8,771.6	8,601.0	32.7	31.3	128.39	-601.7	1,409.6	267.6	206.7	60.88	4.396										
8,900.0	8,700.2	8,871.6	8,701.1	32.8	31.3	128.39	-602.0	1,409.2	267.6	206.5	61.05	4.383										
9,000.0	8,800.2	8,971.7	8,801.2	32.9	31.4	128.40	-602.3	1,408.8	267.6	206.4	61.21	4.371										
9,100.0	8,900.2	9,071.8	8,901.2	33.0	31.5	128.40	-602.6	1,408.3	267.6	206.2	61.38	4.359										
9,200.0	9,000.2	9,171.8	9,001.3	33.0	31.6	128.41	-603.0	1,407.8	267.5	206.0	61.55	4.347										
9,300.0	9,100.2	9,271.9	9,101.4	33.1	31.7	128.41	-603.3	1,407.3	267.5	205.8	61.72	4.334										
9,396.3	9,196.5	9,368.2	9,197.6	33.2	31.8	128.42	-603.7	1,406.7	267.5	205.6	61.88	4.323										
9,400.0	9,200.2	9,371.9	9,201.4	33.2	31.8	128.42	-603.7	1,406.7	267.5	205.6	61.89	4.322										
9,500.0	9,300.2	9,471.9	9,301.4	33.3	31.8	128.44	-604.0	1,406.2	267.5	205.4	62.06	4.310										
9,600.0	9,400.2	9,571.9	9,401.4	33.4	31.9	128.46	-604.4	1,405.6	267.5	205.3	62.24	4.298										
9,700.0	9,500.2	9,671.9	9,501.4	33.5	32.0	128.48	-604.8	1,405.1	267.6	205.2	62.42	4.287										
9,800.0	9,600.2	9,771.9	9,601.3	33.5	32.1	128.50	-605.1	1,404.5	267.6	205.0	62.60	4.275										
9,900.0	9,700.2	9,871.9	9,701.3	33.6	32.2	128.52	-605.5	1,404.0	267.6	204.9	62.78	4.263										

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 UWF12A-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:	UWF12A-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													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference													Warning		
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			
10,000.0	9,800.2	9,971.9	9,801.3	33.7	32.3	128.54	-605.9	1,403.4	267.7	204.7	62.96	4.251			
10,100.0	9,900.2	10,071.9	9,901.3	33.8	32.4	128.57	-606.2	1,402.9	267.7	204.6	63.15	4.239			
10,200.0	10,000.2	10,171.9	10,001.3	33.9	32.5	128.59	-606.6	1,402.3	267.7	204.4	63.33	4.228			
10,300.0	10,100.2	10,271.9	10,101.3	34.0	32.6	128.61	-606.9	1,401.8	267.8	204.2	63.52	4.216			
10,400.0	10,200.2	10,371.9	10,201.3	34.0	32.6	128.63	-607.3	1,401.3	267.8	204.1	63.71	4.204			
10,500.0	10,300.2	10,471.9	10,301.3	34.1	32.7	128.65	-607.7	1,400.7	267.8	203.9	63.89	4.192			
10,600.0	10,400.2	10,571.9	10,401.3	34.2	32.8	128.67	-608.0	1,400.2	267.9	203.8	64.09	4.180			
10,700.0	10,500.2	10,671.9	10,501.3	34.3	32.9	128.69	-608.4	1,399.6	267.9	203.6	64.28	4.168			
10,800.0	10,600.2	10,771.9	10,601.3	34.4	33.0	128.72	-608.8	1,399.1	267.9	203.5	64.47	4.156			
10,900.0	10,700.1	10,871.9	10,701.3	34.5	33.1	128.74	-609.1	1,398.5	268.0	203.3	64.67	4.144			
11,000.0	10,800.1	10,971.9	10,801.3	34.6	33.2	128.76	-609.5	1,398.0	268.0	203.1	64.86	4.132			
11,100.0	10,900.1	11,071.9	10,901.3	34.7	33.3	128.78	-609.8	1,397.4	268.0	203.0	65.06	4.120			
11,200.0	11,000.1	11,171.9	11,001.3	34.8	33.4	128.80	-610.2	1,396.9	268.1	202.8	65.26	4.108			
11,300.0	11,100.1	11,271.9	11,101.3	34.9	33.5	128.82	-610.6	1,396.3	268.1	202.6	65.46	4.096			
11,400.0	11,200.1	11,371.9	11,201.3	35.0	33.6	128.84	-610.9	1,395.8	268.1	202.5	65.66	4.084			
11,500.0	11,300.1	11,471.9	11,301.3	35.1	33.7	128.86	-611.3	1,395.2	268.2	202.3	65.86	4.072			
11,600.0	11,400.1	11,571.9	11,401.3	35.1	33.8	128.89	-611.7	1,394.7	268.2	202.1	66.06	4.059			
11,700.0	11,500.1	11,671.9	11,501.3	35.2	33.9	128.91	-612.0	1,394.2	268.2	202.0	66.27	4.047			
11,800.0	11,600.1	11,771.9	11,601.3	35.3	34.0	128.93	-612.4	1,393.6	268.3	201.8	66.48	4.035			
11,900.0	11,700.1	11,871.9	11,701.3	35.4	34.1	128.95	-612.7	1,393.1	268.3	201.6	66.68	4.023			
12,000.0	11,800.1	11,971.9	11,801.3	35.5	34.2	128.97	-613.1	1,392.5	268.3	201.4	66.89	4.011			
12,100.0	11,900.1	12,071.9	11,901.3	35.6	34.3	128.99	-613.5	1,392.0	268.4	201.3	67.10	3.999			
12,200.0	12,000.1	12,171.9	12,001.3	35.7	34.4	129.01	-613.8	1,391.4	268.4	201.1	67.31	3.987			
12,300.0	12,100.1	12,271.9	12,101.3	35.8	34.5	129.03	-614.2	1,390.9	268.4	200.9	67.52	3.975			
12,400.0	12,200.1	12,371.9	12,201.3	35.9	34.6	129.06	-614.6	1,390.3	268.5	200.7	67.74	3.963			
12,500.0	12,300.1	12,471.9	12,301.3	36.0	34.7	129.08	-614.9	1,389.8	268.5	200.5	67.95	3.951			
12,600.0	12,400.1	12,571.9	12,401.3	36.1	34.8	129.10	-615.3	1,389.2	268.5	200.4	68.17	3.939			
12,700.0	12,500.1	12,671.9	12,501.3	36.2	34.9	129.12	-615.7	1,388.7	268.6	200.2	68.38	3.927			
12,800.0	12,600.1	12,771.9	12,601.3	36.3	35.0	129.14	-616.0	1,388.1	268.6	200.0	68.60	3.915			
12,900.0	12,700.1	12,871.9	12,701.3	36.4	35.1	129.16	-616.4	1,387.6	268.6	199.8	68.82	3.903			
13,000.0	12,800.1	12,971.9	12,801.3	36.5	35.2	129.18	-616.7	1,387.1	268.7	199.6	69.04	3.891 SF			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	2.16	41.5	1.6	41.5						
100.0	100.0	100.0	100.0	0.1	0.1	2.16	41.5	1.6	41.5	41.3	0.23	177.544			
200.0	200.0	200.0	200.0	0.3	0.3	2.16	41.5	1.6	41.5	40.9	0.58	71.230	CC		
229.2	229.2	229.2	229.2	0.3	0.3	1.85	41.5	1.3	41.5	40.8	0.69	60.573			
300.0	300.0	299.9	299.9	0.5	0.5	-1.44	41.6	-1.0	41.6	40.7	0.93	44.498	ES		
400.0	400.0	399.3	398.9	0.6	0.7	-11.89	41.9	-8.8	42.8	41.5	1.31	32.683			
500.0	500.0	497.6	496.4	0.8	1.0	-26.99	42.3	-21.6	47.6	45.9	1.76	27.131	SF		
600.0	600.0	593.8	591.0	1.0	1.3	-164.85	43.0	-38.9	61.1	59.0	2.16	28.354			
700.0	699.6	686.5	681.2	1.2	1.7	-176.49	43.7	-60.0	86.7	84.2	2.51	34.584			
800.0	798.8	774.5	765.9	1.4	2.2	176.39	44.6	-84.1	123.2	120.3	2.83	43.532			
900.0	897.1	857.0	844.1	1.8	2.7	172.07	45.6	-110.2	169.1	166.0	3.14	53.891			
1,000.0	994.3	933.3	915.5	2.2	3.3	169.37	46.5	-137.4	223.2	219.8	3.44	64.817			
1,100.0	1,091.2	1,000.0	976.8	2.6	3.8	167.82	47.5	-163.4	282.0	278.2	3.77	74.786			
1,200.0	1,188.1	1,073.0	1,042.9	3.0	4.4	166.48	48.6	-194.4	343.5	339.4	4.12	83.316			
1,300.0	1,284.9	1,137.2	1,100.1	3.5	5.0	165.51	49.7	-223.7	407.8	403.3	4.46	91.355			
1,400.0	1,381.8	1,206.6	1,160.7	3.9	5.7	164.61	50.9	-257.5	474.6	469.8	4.82	98.458			

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 UWF12A-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:	UWF12A-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													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	-9.97	22.3	-3.9	22.6						
100.0	100.0	100.0	100.0	0.1	0.1	-9.97	22.3	-3.9	22.6	22.4	0.23	96.620			
200.0	200.0	200.0	200.0	0.3	0.3	-9.97	22.3	-3.9	22.6	22.0	0.58	38.764			
300.0	300.0	300.2	300.1	0.5	0.5	-16.59	21.2	-6.3	22.1	21.2	0.93	23.672			
344.5	344.5	344.6	344.5	0.5	0.6	-23.98	20.0	-8.9	21.9	20.8	1.10	19.980	CC, ES		
400.0	400.0	399.8	399.5	0.6	0.7	-36.76	18.0	-13.5	22.5	21.2	1.31	17.172			
500.0	500.0	498.4	497.2	0.8	1.0	-63.04	12.8	-25.2	28.4	26.6	1.78	15.959	SF		
600.0	600.0	595.1	592.3	1.0	1.3	156.89	5.7	-41.1	44.6	42.5	2.08	21.405			
700.0	699.6	691.8	686.9	1.2	1.7	149.85	-2.3	-59.2	69.3	66.9	2.43	28.490			
800.0	798.8	787.3	780.4	1.4	2.1	147.93	-10.3	-77.1	98.7	95.9	2.81	35.133			
900.0	897.1	881.5	872.6	1.8	2.4	147.87	-18.1	-94.7	132.3	129.1	3.21	41.186			
1,000.0	994.3	974.0	963.2	2.2	2.8	148.64	-25.8	-112.0	170.1	166.4	3.64	46.658			
1,100.0	1,091.2	1,066.0	1,053.2	2.6	3.2	149.70	-33.5	-129.2	209.1	205.0	4.11	50.890			
1,200.0	1,188.1	1,158.0	1,143.3	3.0	3.5	150.43	-41.1	-146.4	248.2	243.7	4.58	54.227			
1,300.0	1,284.9	1,250.0	1,233.3	3.5	3.9	150.96	-48.7	-163.5	287.4	282.3	5.05	56.919			
1,400.0	1,381.8	1,342.0	1,323.4	3.9	4.3	151.36	-56.4	-180.7	326.6	321.0	5.52	59.133			
1,500.0	1,478.7	1,434.0	1,413.4	4.4	4.6	151.68	-64.0	-197.9	365.7	359.7	6.00	60.984			
1,600.0	1,575.6	1,526.0	1,503.5	4.9	5.0	151.94	-71.7	-215.1	404.9	398.4	6.47	62.553			
1,700.0	1,672.4	1,618.0	1,593.5	5.3	5.4	152.15	-79.3	-232.3	444.1	437.1	6.95	63.900			
1,800.0	1,769.3	1,710.0	1,683.6	5.8	5.7	152.32	-87.0	-249.5	483.3	475.9	7.43	65.069			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	7.66	69.8	9.4	70.5						
100.0	100.0	100.0	100.0	0.1	0.1	7.66	69.8	9.4	70.5	70.2	0.23	301.242			
200.0	200.0	200.0	200.0	0.3	0.3	7.66	69.8	9.4	70.5	69.9	0.58	120.858			
300.0	300.0	300.0	300.0	0.5	0.5	7.66	69.8	9.4	70.5	69.5	0.93	75.593			
400.0	400.0	400.0	400.0	0.6	0.6	7.66	69.8	9.4	70.5	69.2	1.28	54.995 CC, ES			
500.0	500.0	497.7	497.7	0.8	0.8	6.07	71.6	7.6	72.0	70.4	1.63	44.176			
600.0	600.0	596.8	596.5	1.0	1.0	-122.54	75.6	1.5	77.1	75.1	2.00	38.551			
700.0	699.6	693.7	692.7	1.2	1.3	-133.65	80.2	-9.3	88.0	85.6	2.40	36.695 SF			
800.0	798.8	787.1	784.7	1.4	1.6	-145.53	85.3	-24.4	108.3	105.5	2.80	38.711			
900.0	897.1	879.4	875.1	1.8	1.9	-155.34	90.7	-42.1	138.6	135.5	3.15	44.023			
1,000.0	994.3	970.1	964.0	2.2	2.2	-162.15	96.0	-59.6	176.3	172.9	3.47	50.832			
1,100.0	1,091.2	1,060.2	1,052.2	2.6	2.5	-166.92	101.3	-76.9	217.1	213.3	3.79	57.304			
1,200.0	1,188.1	1,150.3	1,140.4	3.0	2.9	-170.20	106.5	-94.3	258.7	254.6	4.11	63.005			
1,300.0	1,284.9	1,240.3	1,228.6	3.5	3.2	-172.58	111.8	-111.6	300.9	296.5	4.43	67.990			
1,400.0	1,381.8	1,330.4	1,316.9	3.9	3.6	-174.38	117.1	-129.0	343.4	338.6	4.75	72.350			
1,500.0	1,478.7	1,420.5	1,405.1	4.4	3.9	-175.79	122.4	-146.3	386.1	381.0	5.07	76.177			
1,600.0	1,575.6	1,510.5	1,493.3	4.9	4.3	-176.91	127.6	-163.7	428.9	423.5	5.39	79.552			
1,700.0	1,672.4	1,600.6	1,581.5	5.3	4.6	-177.83	132.9	-181.0	471.9	466.2	5.72	82.542			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	16.16	48.6	14.1	50.6						
100.0	100.0	100.0	100.0	0.1	0.1	16.16	48.6	14.1	50.6	50.3	0.23	216.252			
200.0	200.0	200.0	200.0	0.3	0.3	16.16	48.6	14.1	50.6	50.0	0.58	86.760	CC, ES		
300.0	300.0	299.1	299.0	0.5	0.5	18.89	48.7	16.6	51.4	50.5	0.93	55.266			
400.0	400.0	397.7	397.3	0.6	0.7	26.41	48.9	24.3	54.7	53.4	1.28	42.816			
500.0	500.0	495.2	494.0	0.8	1.0	36.73	49.4	36.8	61.9	60.2	1.62	38.097			
600.0	600.0	591.6	588.8	1.0	1.3	-76.47	49.9	54.1	73.8	71.7	2.14	34.510			
700.0	699.6	687.0	681.7	1.2	1.8	-71.15	50.7	75.8	89.3	86.7	2.59	34.500			
800.0	798.8	781.3	772.4	1.4	2.3	-68.33	51.6	101.8	107.3	104.2	3.10	34.574			
900.0	897.1	874.5	860.6	1.8	2.8	-67.06	52.6	131.9	127.5	123.8	3.72	34.263			
1,000.0	994.3	966.5	946.1	2.2	3.5	-66.84	53.7	165.7	149.7	145.2	4.46	33.564			
1,100.0	1,091.2	1,056.9	1,028.4	2.6	4.3	-66.69	55.0	203.0	175.1	169.8	5.25	33.321	SF		
1,200.0	1,188.1	1,145.2	1,107.1	3.0	5.1	-65.89	56.4	243.1	204.2	198.1	6.05	33.755			
1,300.0	1,284.9	1,231.2	1,181.8	3.5	5.9	-64.74	57.8	285.6	237.0	230.2	6.83	34.694			
1,400.0	1,381.8	1,315.6	1,253.3	3.9	6.8	-63.43	59.4	330.6	273.4	265.9	7.59	36.029			
1,500.0	1,478.7	1,408.0	1,330.5	4.4	7.8	-62.15	61.1	381.1	311.4	303.1	8.36	37.251			
1,600.0	1,575.6	1,500.3	1,407.8	4.9	8.8	-61.15	62.8	431.6	349.5	340.4	9.13	38.284			
1,700.0	1,672.4	1,592.6	1,485.0	5.3	9.8	-60.35	64.5	482.1	387.7	377.8	9.90	39.167			
1,800.0	1,769.3	1,684.9	1,562.2	5.8	10.8	-59.69	66.3	532.6	425.9	415.2	10.67	39.930			
1,900.0	1,866.2	1,777.2	1,639.5	6.3	11.8	-59.14	68.0	583.1	464.1	452.7	11.43	40.595			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	4.42	50.6	3.9	50.8						
100.0	100.0	100.0	100.0	0.1	0.1	4.42	50.6	3.9	50.8	50.5	0.23	217.001			
200.0	200.0	200.0	200.0	0.3	0.3	4.42	50.6	3.9	50.8	50.2	0.58	87.060			
300.0	300.0	300.0	300.0	0.5	0.5	4.42	50.6	3.9	50.8	49.8	0.93	54.453			
335.2	335.2	335.2	335.2	0.5	0.5	4.42	50.6	3.9	50.8	49.7	1.05	48.109 CC			
400.0	400.0	399.7	399.7	0.6	0.6	5.13	50.7	4.6	50.9	49.6	1.28	39.733 ES			
500.0	500.0	499.5	499.4	0.8	0.8	9.35	51.3	8.4	52.0	50.3	1.63	31.895			
600.0	600.0	599.6	599.5	1.0	1.0	-115.51	52.3	8.4	54.0	52.0	1.98	27.246			
700.0	699.6	698.6	698.3	1.2	1.2	-127.30	53.6	3.3	59.4	57.1	2.35	25.320 SF			
800.0	798.8	794.9	794.1	1.4	1.4	-142.89	55.2	-6.6	72.8	70.1	2.72	26.758			
900.0	897.1	887.3	885.4	1.8	1.6	-156.39	57.0	-20.6	97.7	94.6	3.08	31.741			
1,000.0	994.3	977.7	974.1	2.2	1.9	-165.96	59.0	-37.7	133.2	129.8	3.40	39.216			
1,100.0	1,091.2	1,068.4	1,063.2	2.6	2.2	-171.91	61.0	-55.1	172.6	168.9	3.73	46.307			
1,200.0	1,188.1	1,159.2	1,152.2	3.0	2.5	-175.66	63.0	-72.4	213.0	209.0	4.06	52.449			
1,300.0	1,284.9	1,249.9	1,241.3	3.5	2.8	-178.23	65.0	-89.8	254.0	249.6	4.40	57.726			
1,400.0	1,381.8	1,340.6	1,330.3	3.9	3.1	179.92	67.0	-107.2	295.2	290.5	4.74	62.268			
1,500.0	1,478.7	1,431.4	1,419.3	4.4	3.5	178.52	69.0	-124.6	336.6	331.6	5.09	66.200			
1,600.0	1,575.6	1,522.1	1,508.4	4.9	3.8	177.42	71.0	-141.9	378.2	372.8	5.43	69.626			
1,700.0	1,672.4	1,612.8	1,597.4	5.3	4.1	176.54	73.0	-159.3	419.9	414.1	5.78	72.632			
1,800.0	1,769.3	1,703.6	1,686.4	5.8	4.5	175.82	75.0	-176.7	461.6	455.5	6.13	75.286			

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 UWF12A-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:	UWF12A-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													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	16.34	29.4	8.6	30.6						
100.0	100.0	100.0	100.0	0.1	0.1	16.34	29.4	8.6	30.6	30.4	0.23	130.783			
200.0	200.0	200.0	200.0	0.3	0.3	16.34	29.4	8.6	30.6	30.0	0.58	52.470 CC, ES			
300.0	300.0	299.5	299.5	0.5	0.5	20.92	29.3	11.2	31.4	30.4	0.93	33.655			
400.0	400.0	398.5	398.1	0.6	0.7	33.03	29.1	18.9	34.7	33.5	1.28	27.165			
500.0	500.0	496.4	495.2	0.8	1.0	47.67	28.7	31.5	42.9	41.3	1.63	26.275 SF			
600.0	600.0	593.1	590.4	1.0	1.3	-64.16	28.3	48.9	56.1	54.1	2.09	26.872			
700.0	699.6	689.0	683.7	1.2	1.8	-59.35	27.7	70.8	72.1	69.6	2.50	28.833			
800.0	798.8	783.8	774.7	1.4	2.3	-57.48	27.0	97.1	90.0	87.0	2.98	30.236			
900.0	897.1	877.6	863.4	1.8	2.9	-57.16	26.1	127.5	109.4	105.9	3.55	30.854			
1,000.0	994.3	970.2	949.5	2.2	3.5	-57.76	25.2	161.8	130.3	126.1	4.23	30.783			
1,100.0	1,091.2	1,061.3	1,032.4	2.6	4.3	-58.16	24.2	199.5	154.6	149.6	4.98	31.047			
1,200.0	1,188.1	1,150.3	1,111.6	3.0	5.1	-57.78	23.1	240.1	182.8	177.1	5.72	31.942			
1,300.0	1,284.9	1,237.1	1,186.8	3.5	6.0	-56.97	21.9	283.2	214.9	208.4	6.45	33.308			
1,400.0	1,381.8	1,322.8	1,259.2	3.9	6.9	-55.92	20.7	329.1	250.7	243.5	7.16	35.035			
1,500.0	1,478.7	1,415.5	1,336.8	4.4	7.9	-54.93	19.3	379.9	287.9	280.0	7.87	36.568			
1,600.0	1,575.6	1,508.2	1,414.3	4.9	8.9	-54.16	18.0	430.7	325.1	316.5	8.59	37.845			
1,700.0	1,672.4	1,600.9	1,491.9	5.3	9.9	-53.55	16.6	481.5	362.4	353.1	9.31	38.922			
1,800.0	1,769.3	1,693.7	1,569.4	5.8	10.9	-53.06	15.2	532.3	399.7	389.7	10.03	39.843			
1,900.0	1,866.2	1,786.4	1,647.0	6.3	12.0	-52.65	13.9	583.1	437.1	426.3	10.75	40.639			
2,000.0	1,963.0	1,879.1	1,724.6	6.7	13.0	-52.30	12.5	633.9	474.4	462.9	11.48	41.333			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	-2.85	31.4	-1.6	31.4						
100.0	100.0	100.0	100.0	0.1	0.1	-2.85	31.4	-1.6	31.4	31.2	0.23	134.303			
200.0	200.0	200.0	200.0	0.3	0.3	-2.85	31.4	-1.6	31.4	30.8	0.58	53.882			
300.0	300.0	300.0	300.0	0.5	0.5	-2.85	31.4	-1.6	31.4	30.5	0.93	33.701			
350.8	350.8	350.8	350.8	0.6	0.6	-4.09	31.3	-2.2	31.4	30.3	1.11	28.276 CC			
400.0	400.0	400.0	400.0	0.6	0.6	-7.63	31.2	-4.2	31.4	30.2	1.28	24.499 ES			
500.0	500.0	499.4	499.0	0.8	0.9	-21.34	30.5	-11.9	32.8	31.1	1.65	19.817 SF			
600.0	600.0	597.4	596.2	1.0	1.1	-163.02	29.5	-24.6	41.1	39.0	2.07	19.884			
700.0	699.6	693.5	690.8	1.2	1.4	-178.28	28.1	-41.4	61.2	58.7	2.42	25.245			
800.0	798.8	789.0	784.7	1.4	1.8	174.09	26.7	-58.9	89.1	86.4	2.76	32.292			
900.0	897.1	883.0	877.1	1.8	2.1	170.41	25.3	-76.1	122.8	119.7	3.10	39.659			
1,000.0	994.3	975.2	967.7	2.2	2.4	168.60	24.0	-92.9	161.3	157.9	3.44	46.925			
1,100.0	1,091.2	1,066.7	1,057.7	2.6	2.7	167.71	22.6	-109.7	201.4	197.6	3.81	52.865			
1,200.0	1,188.1	1,158.3	1,147.7	3.0	3.1	167.11	21.3	-126.4	241.5	237.3	4.19	57.691			
1,300.0	1,284.9	1,249.9	1,237.7	3.5	3.4	166.68	19.9	-143.2	281.7	277.1	4.57	61.677			
1,400.0	1,381.8	1,341.5	1,327.8	3.9	3.7	166.36	18.5	-160.0	321.8	316.8	4.95	65.020			
1,500.0	1,478.7	1,433.0	1,417.8	4.4	4.1	166.11	17.2	-176.7	362.0	356.6	5.33	67.858			
1,600.0	1,575.6	1,524.6	1,507.8	4.9	4.4	165.91	15.8	-193.5	402.1	396.4	5.72	70.296			
1,700.0	1,672.4	1,616.2	1,597.8	5.3	4.7	165.75	14.5	-210.2	442.3	436.2	6.11	72.412			
1,800.0	1,769.3	1,707.8	1,687.8	5.8	5.1	165.61	13.1	-227.0	482.4	475.9	6.50	74.263			

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 UWF12A-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:	UWF12A-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													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	-27.27	12.1	-6.3	13.7						
100.0	100.0	100.0	100.0	0.1	0.1	-27.27	12.1	-6.3	13.7	13.4	0.23	58.406			
200.0	200.0	200.0	200.0	0.3	0.3	-27.27	12.1	-6.3	13.7	13.1	0.58	23.432			
300.0	300.0	300.0	300.0	0.5	0.5	-27.27	12.1	-6.3	13.7	12.7	0.93	14.656			
400.0	400.0	400.0	400.0	0.6	0.6	-27.27	12.1	-6.3	13.7	12.4	1.28	10.663 CC, ES			
500.0	500.0	499.8	499.7	0.8	0.8	-17.15	13.8	-4.3	14.5	12.8	1.63	8.873 SF			
600.0	600.0	599.5	599.1	1.0	1.0	-123.11	18.3	1.8	19.7	17.7	2.00	9.841			
700.0	699.6	699.2	698.2	1.2	1.3	-113.52	22.1	12.9	28.0	25.6	2.42	11.567			
800.0	798.8	798.7	796.3	1.4	1.6	-107.87	24.6	28.9	38.3	35.4	2.93	13.057			
900.0	897.1	897.9	893.2	1.8	1.9	-104.34	26.0	49.7	50.5	46.9	3.59	14.064			
1,000.0	994.3	996.7	988.6	2.2	2.4	-101.98	26.1	75.3	64.2	59.8	4.40	14.614			
1,100.0	1,091.2	1,095.0	1,082.2	2.6	2.9	-98.15	25.0	105.6	79.1	73.8	5.30	14.912			
1,200.0	1,188.1	1,192.4	1,173.2	3.0	3.6	-92.57	22.7	140.0	95.3	89.0	6.25	15.246			
1,300.0	1,284.9	1,288.3	1,261.1	3.5	4.3	-86.31	19.2	178.4	113.8	106.6	7.18	15.846			
1,400.0	1,381.8	1,382.4	1,345.4	3.9	5.1	-80.04	14.8	220.1	135.5	127.4	8.05	16.833			
1,500.0	1,478.7	1,474.3	1,425.5	4.4	6.0	-74.18	9.4	264.7	160.9	152.1	8.84	18.199			
1,600.0	1,575.6	1,563.6	1,501.3	4.9	7.0	-68.92	3.1	311.5	190.3	180.8	9.55	19.940			
1,700.0	1,672.4	1,652.1	1,574.2	5.3	8.0	-64.25	-3.9	361.0	223.8	213.7	10.16	22.040			
1,800.0	1,769.3	1,744.4	1,649.7	5.8	9.0	-60.44	-11.5	413.6	259.2	248.5	10.74	24.129			
1,900.0	1,866.2	1,836.7	1,725.3	6.3	10.1	-57.54	-19.1	466.1	295.3	284.0	11.33	26.078			
2,000.0	1,963.0	1,929.0	1,800.8	6.7	11.1	-55.26	-26.7	518.6	332.0	320.1	11.91	27.877			
2,100.0	2,059.9	2,021.3	1,876.3	7.2	12.2	-53.43	-34.3	571.2	369.1	356.6	12.50	29.529			
2,200.0	2,156.8	2,113.6	1,951.8	7.7	13.2	-51.93	-41.9	623.7	406.4	393.3	13.09	31.045			
2,300.0	2,253.6	2,205.9	2,027.3	8.1	14.3	-50.68	-49.5	676.2	443.9	430.2	13.68	32.437			
2,400.0	2,350.5	2,298.2	2,102.8	8.6	15.4	-49.63	-57.1	728.7	481.6	467.3	14.28	33.717			

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 UWF12A-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:	UWF12A-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													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	-165.55	-9.1	-2.3	9.4						
100.0	100.0	100.0	100.0	0.1	0.1	-165.55	-9.1	-2.3	9.4	9.2	0.23	40.209			
200.0	200.0	200.0	200.0	0.3	0.3	-165.55	-9.1	-2.3	9.4	8.8	0.58	16.132			
245.8	245.8	245.8	245.8	0.4	0.4	-168.90	-9.2	-1.8	9.4	8.6	0.74	12.621	CC, ES		
300.0	300.0	299.9	299.9	0.5	0.5	178.70	-9.6	0.2	9.6	8.7	0.94	10.267			
400.0	400.0	399.3	399.0	0.6	0.7	144.74	-11.1	7.9	13.6	12.3	1.33	10.226	SF		
500.0	500.0	497.7	496.4	0.8	1.0	123.66	-13.6	20.4	24.7	22.9	1.79	13.831			
600.0	600.0	594.9	592.1	1.0	1.3	-8.37	-16.9	37.6	39.4	37.4	1.99	19.803			
700.0	699.6	691.2	685.8	1.2	1.8	-14.65	-21.2	59.3	54.6	52.3	2.32	23.494			
800.0	798.8	786.7	777.5	1.4	2.3	-19.55	-26.3	85.4	70.2	67.6	2.66	26.361			
900.0	897.1	881.3	867.0	1.8	2.9	-23.74	-32.3	115.7	86.4	83.3	3.04	28.440			
1,000.0	994.3	975.1	954.0	2.2	3.6	-27.47	-39.0	149.9	103.2	99.7	3.48	29.656			
1,100.0	1,091.2	1,067.4	1,037.9	2.6	4.3	-30.25	-46.4	187.6	123.7	119.7	3.99	30.979			
1,200.0	1,188.1	1,157.7	1,118.1	3.0	5.2	-31.86	-54.4	228.4	149.0	144.5	4.54	32.853			
1,300.0	1,284.9	1,245.8	1,194.3	3.5	6.1	-32.68	-62.9	271.7	178.8	173.7	5.08	35.168			
1,400.0	1,381.8	1,331.4	1,266.3	3.9	7.0	-33.00	-71.7	317.0	212.7	207.1	5.62	37.852			
1,500.0	1,478.7	1,424.2	1,343.2	4.4	8.0	-33.12	-81.8	368.0	248.9	242.7	6.18	40.300			
1,600.0	1,575.6	1,517.4	1,420.5	4.9	9.0	-33.21	-91.8	419.2	285.1	278.3	6.74	42.303			
1,700.0	1,672.4	1,610.6	1,497.7	5.3	10.1	-33.28	-101.9	470.4	321.2	313.9	7.31	43.971			
1,800.0	1,769.3	1,703.8	1,574.9	5.8	11.1	-33.34	-111.9	521.7	357.4	349.5	7.88	45.378			
1,900.0	1,866.2	1,797.1	1,652.2	6.3	12.2	-33.38	-122.0	572.9	393.6	385.1	8.45	46.580			
2,000.0	1,963.0	1,890.3	1,729.4	6.7	13.2	-33.42	-132.0	624.1	429.8	420.7	9.03	47.617			
2,100.0	2,059.9	1,983.5	1,806.6	7.2	14.3	-33.45	-142.1	675.4	465.9	456.3	9.60	48.521			

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 UWF12A-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:	UWF12A-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													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	-72.08	3.0	-9.4	9.9						
100.0	100.0	100.0	100.0	0.1	0.1	-72.08	3.0	-9.4	9.9	9.6	0.23	42.182			
200.0	200.0	200.0	200.0	0.3	0.3	-72.08	3.0	-9.4	9.9	9.3	0.58	16.923 CC, ES			
300.0	300.0	299.6	299.5	0.5	0.5	-82.11	1.6	-11.6	11.7	10.7	0.94	12.416 SF			
400.0	400.0	398.6	398.3	0.6	0.7	-98.43	-2.7	-18.0	18.3	16.9	1.33	13.699			
500.0	500.0	496.6	495.4	0.8	1.0	-108.70	-9.7	-28.6	30.5	28.7	1.77	17.176			
600.0	600.0	592.8	590.0	1.0	1.3	125.77	-19.2	-42.9	49.5	47.6	1.98	24.974			
700.0	699.6	688.8	683.8	1.2	1.7	126.69	-30.6	-60.1	75.1	72.7	2.35	31.913			
800.0	798.8	784.4	777.2	1.4	2.1	129.11	-42.0	-77.4	104.0	101.2	2.76	37.654			
900.0	897.1	878.8	869.3	1.8	2.5	131.84	-53.3	-94.4	136.3	133.1	3.21	42.418			
1,000.0	994.3	971.7	960.0	2.2	2.9	134.64	-64.4	-111.2	172.3	168.6	3.71	46.469			
1,100.0	1,091.2	1,064.0	1,050.1	2.6	3.2	137.23	-75.5	-127.9	209.8	205.6	4.23	49.569			
1,200.0	1,188.1	1,156.4	1,140.3	3.0	3.6	139.04	-86.5	-144.5	247.5	242.8	4.76	51.998			
1,300.0	1,284.9	1,248.8	1,230.5	3.5	4.0	140.37	-97.6	-161.2	285.4	280.2	5.29	53.950			
1,400.0	1,381.8	1,341.1	1,320.6	3.9	4.4	141.39	-108.6	-177.9	323.5	317.6	5.82	55.554			
1,500.0	1,478.7	1,433.5	1,410.8	4.4	4.8	142.19	-119.7	-194.6	361.5	355.2	6.35	56.894			
1,600.0	1,575.6	1,525.8	1,501.0	4.9	5.2	142.85	-130.7	-211.2	399.7	392.8	6.89	58.030			
1,700.0	1,672.4	1,618.2	1,591.1	5.3	5.6	143.39	-141.8	-227.9	437.8	430.4	7.42	59.006			
1,800.0	1,769.3	1,710.6	1,681.3	5.8	6.0	143.84	-152.8	-244.6	476.0	468.0	7.95	59.852			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	-121.12	-7.1	-11.7	13.7						
100.0	100.0	100.0	100.0	0.1	0.1	-121.12	-7.1	-11.7	13.7	13.5	0.23	58.601			
200.0	200.0	200.0	200.0	0.3	0.3	-121.12	-7.1	-11.7	13.7	13.1	0.58	23.511			
300.0	300.0	300.0	300.0	0.5	0.5	-121.12	-7.1	-11.7	13.7	12.8	0.93	14.705			
400.0	400.0	400.0	400.0	0.6	0.6	-121.12	-7.1	-11.7	13.7	12.4	1.28	10.698			
500.0	500.0	500.0	500.0	0.8	0.8	-121.12	-7.1	-11.7	13.7	12.1	1.63	8.407	CC, ES		
600.0	600.0	600.0	600.0	1.0	1.0	125.60	-7.1	-11.7	15.1	13.1	1.98	7.603			
700.0	699.6	700.6	700.5	1.2	1.2	140.96	-7.8	-9.2	18.2	15.8	2.34	7.776			
800.0	798.8	801.4	801.0	1.4	1.4	155.30	-9.8	-1.5	21.7	19.0	2.69	8.066			
900.0	897.1	902.4	901.1	1.8	1.6	168.77	-13.1	11.4	25.9	22.9	3.01	8.607			
1,000.0	994.3	1,003.6	1,000.6	2.2	1.9	-178.98	-17.8	29.4	31.3	27.9	3.36	9.293			
1,100.0	1,091.2	1,104.9	1,099.0	2.6	2.3	-167.02	-23.9	52.5	34.5	30.6	3.87	8.915			
1,200.0	1,188.1	1,205.9	1,195.8	3.0	2.9	-151.91	-31.2	80.5	35.0	30.2	4.75	7.364			
1,243.6	1,230.3	1,249.7	1,237.3	3.2	3.1	-143.58	-34.8	94.2	34.9	29.6	5.34	6.536			
1,300.0	1,284.9	1,306.1	1,290.2	3.5	3.5	-130.95	-39.7	113.1	35.3	29.0	6.27	5.625			
1,400.0	1,381.8	1,405.0	1,381.4	3.9	4.2	-105.51	-49.3	150.0	39.7	31.7	8.00	4.964	SF		
1,500.0	1,478.7	1,502.0	1,468.9	4.4	5.0	-82.78	-59.9	190.6	51.9	42.9	9.00	5.761			
1,600.0	1,575.6	1,596.8	1,552.1	4.9	5.8	-66.88	-71.4	234.3	72.1	62.7	9.38	7.684			
1,700.0	1,672.4	1,688.9	1,630.8	5.3	6.8	-56.51	-83.4	280.5	99.0	89.4	9.57	10.346			
1,800.0	1,769.3	1,778.0	1,704.7	5.8	7.8	-49.60	-96.0	328.8	131.5	121.8	9.75	13.489			
1,900.0	1,866.2	1,866.8	1,776.2	6.3	8.8	-44.72	-109.4	379.8	168.7	158.8	9.96	16.941			
2,000.0	1,963.0	1,958.5	1,849.6	6.7	9.9	-41.37	-123.3	433.0	207.2	197.0	10.25	20.223			
2,100.0	2,059.9	2,050.2	1,923.0	7.2	11.0	-39.07	-137.2	486.2	246.2	235.6	10.60	23.221			
2,200.0	2,156.8	2,142.0	1,996.4	7.7	12.1	-37.40	-151.1	539.4	285.4	274.4	11.00	25.950			
2,300.0	2,253.6	2,233.7	2,069.8	8.1	13.2	-36.13	-165.0	592.6	324.8	313.4	11.42	28.435			
2,400.0	2,350.5	2,325.4	2,143.2	8.6	14.3	-35.13	-178.9	645.8	364.2	352.4	11.86	30.702			
2,500.0	2,447.4	2,417.1	2,216.6	9.1	15.4	-34.33	-192.8	699.0	403.8	391.5	12.32	32.776			
2,600.0	2,544.3	2,508.8	2,290.0	9.6	16.5	-33.67	-206.7	752.2	443.4	430.6	12.79	34.679			
2,700.0	2,641.1	2,600.5	2,363.4	10.0	17.6	-33.12	-220.6	805.4	483.0	469.8	13.26	36.430			

CC - Min centre to center distance or covergent 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 UWF12A-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:	UWF12A-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													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	-166.28	-19.2	-4.7	19.8						
100.0	100.0	100.0	100.0	0.1	0.1	-166.28	-19.2	-4.7	19.8	19.6	0.23	84.615			
200.0	200.0	200.0	200.0	0.3	0.3	-168.18	-19.3	-4.0	19.8	19.2	0.58	33.877			
220.0	220.0	220.0	220.0	0.3	0.3	-170.00	-19.4	-3.4	19.7	19.1	0.65	30.181	CC, ES		
300.0	300.0	299.8	299.6	0.5	0.5	176.92	-20.2	1.1	20.3	19.3	0.95	21.450			
400.0	400.0	398.8	398.0	0.6	0.7	152.98	-22.0	11.2	24.8	23.4	1.37	18.053	SF		
500.0	500.0	496.4	494.5	0.8	1.1	133.33	-24.7	26.2	36.4	34.5	1.88	19.384			
600.0	600.0	592.6	588.6	1.0	1.5	0.09	-28.7	45.4	52.3	50.3	2.04	25.624			
700.0	699.6	687.9	680.9	1.2	1.9	-6.42	-34.3	68.8	69.1	66.8	2.36	29.234			
800.0	798.8	782.4	771.0	1.4	2.5	-10.90	-41.6	96.3	86.3	83.6	2.68	32.186			
900.0	897.1	876.0	858.8	1.8	3.1	-14.32	-50.4	127.5	103.7	100.7	3.01	34.501			
1,000.0	994.3	968.8	944.2	2.2	3.8	-17.14	-60.7	162.4	121.4	118.0	3.36	36.131			
1,100.0	1,091.2	1,060.2	1,026.4	2.6	4.6	-19.22	-72.3	200.4	142.4	138.7	3.75	37.930			
1,200.0	1,188.1	1,149.6	1,105.0	3.0	5.5	-20.48	-85.0	241.2	168.1	164.0	4.17	40.308			
1,300.0	1,284.9	1,236.8	1,179.6	3.5	6.4	-21.15	-98.8	284.1	198.3	193.7	4.60	43.143			
1,400.0	1,381.8	1,321.7	1,250.1	3.9	7.3	-21.44	-113.4	329.0	232.6	227.6	5.02	46.363			
1,500.0	1,478.7	1,414.9	1,326.6	4.4	8.4	-21.58	-130.0	379.7	268.8	263.3	5.46	49.235			
1,600.0	1,575.6	1,508.1	1,403.0	4.9	9.5	-21.69	-146.7	430.4	305.0	299.1	5.91	51.638			
1,700.0	1,672.4	1,601.3	1,479.4	5.3	10.5	-21.77	-163.3	481.1	341.2	334.8	6.36	53.669			
1,800.0	1,769.3	1,694.5	1,555.8	5.8	11.6	-21.84	-180.0	531.8	377.4	370.6	6.81	55.405			
1,900.0	1,866.2	1,787.8	1,632.3	6.3	12.6	-21.90	-196.6	582.5	413.6	406.4	7.27	56.904			
2,000.0	1,963.0	1,881.0	1,708.7	6.7	13.7	-21.95	-213.3	633.2	449.8	442.1	7.73	58.210			
2,100.0	2,059.9	1,974.2	1,785.1	7.2	14.8	-21.99	-229.9	683.9	486.0	477.9	8.19	59.358			

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 UWF12A-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:	UWF12A-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													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	-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	174.617			
200.0	200.0	200.0	200.0	0.3	0.3	-150.13	-35.4	-20.3	40.8	40.3	0.58	70.056			
233.4	233.4	233.4	233.4	0.3	0.3	-150.13	-35.4	-20.3	40.8	40.1	0.70	58.381	CC, ES		
300.0	300.0	299.5	299.5	0.5	0.5	-149.91	-35.6	-20.6	41.1	40.2	0.93	44.188			
400.0	400.0	398.4	398.4	0.6	0.6	-148.29	-37.1	-22.9	43.6	42.3	1.28	34.087			
500.0	500.0	497.1	496.9	0.8	0.8	-145.54	-40.1	-27.5	48.7	47.0	1.63	29.797			
600.0	600.0	595.3	594.7	1.0	1.0	97.81	-44.5	-34.3	56.7	54.7	1.98	28.624	SF		
700.0	699.6	692.3	691.2	1.2	1.3	106.38	-50.3	-43.2	69.1	66.8	2.35	29.472			
800.0	798.8	787.7	785.7	1.4	1.6	115.11	-57.4	-54.1	87.5	84.8	2.74	31.954			
900.0	897.1	880.9	877.6	1.8	1.9	122.45	-65.6	-66.8	112.7	109.5	3.17	35.546			
1,000.0	994.3	971.4	966.6	2.2	2.2	128.22	-74.9	-81.1	144.6	141.0	3.63	39.794			
1,100.0	1,091.2	1,060.1	1,053.2	2.6	2.5	132.44	-85.1	-96.9	180.9	176.8	4.11	43.966			
1,200.0	1,188.1	1,147.2	1,137.8	3.0	2.9	135.03	-96.3	-114.1	219.9	215.2	4.61	47.714			
1,300.0	1,284.9	1,232.8	1,220.5	3.5	3.3	136.63	-108.4	-132.7	261.1	256.0	5.11	51.061			
1,400.0	1,381.8	1,316.8	1,301.1	3.9	3.8	137.62	-121.3	-152.6	304.5	298.9	5.63	54.065			
1,500.0	1,478.7	1,400.0	1,380.3	4.4	4.3	138.22	-135.1	-173.9	349.8	343.6	6.16	56.765			
1,600.0	1,575.6	1,479.7	1,455.7	4.9	4.7	138.53	-149.3	-195.7	396.9	390.2	6.70	59.248			
1,700.0	1,672.4	1,575.2	1,545.5	5.3	5.3	138.55	-168.2	-222.1	444.6	437.3	7.32	60.758			
1,800.0	1,769.3	1,678.9	1,643.1	5.8	5.9	138.00	-192.6	-247.2	489.7	481.7	8.01	61.098			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	-153.52	-45.5	-22.7	50.9						
100.0	100.0	100.0	100.0	0.1	0.1	-153.52	-45.5	-22.7	50.9	50.6	0.23	217.510			
200.0	200.0	200.0	200.0	0.3	0.3	-153.52	-45.5	-22.7	50.9	50.3	0.58	87.265			
300.0	300.0	300.0	300.0	0.5	0.5	-153.52	-45.5	-22.7	50.9	49.9	0.93	54.581	CC, ES		
400.0	400.0	397.5	397.5	0.6	0.6	-152.51	-47.2	-24.6	53.2	52.0	1.28	41.629			
500.0	500.0	494.5	494.2	0.8	0.8	-149.97	-52.1	-30.1	60.4	58.8	1.64	36.895			
600.0	600.0	590.4	589.2	1.0	1.1	92.58	-60.1	-39.2	72.6	70.7	1.98	36.775	SF		
700.0	699.6	684.2	681.6	1.2	1.4	99.29	-71.0	-51.6	90.9	88.5	2.34	38.880			
800.0	798.8	775.1	770.2	1.4	1.8	105.75	-84.4	-66.8	116.2	113.4	2.73	42.519			
900.0	897.1	862.4	854.3	1.8	2.2	111.01	-99.9	-84.3	148.9	145.8	3.18	46.803			
1,000.0	994.3	945.6	933.3	2.2	2.7	115.17	-117.0	-103.7	189.0	185.3	3.69	51.231			
1,100.0	1,091.2	1,032.1	1,014.7	2.6	3.2	118.90	-136.5	-125.9	233.4	229.1	4.24	55.057			
1,200.0	1,188.1	1,120.8	1,098.0	3.0	3.8	121.51	-156.6	-148.6	278.5	273.7	4.82	57.823			
1,300.0	1,284.9	1,209.4	1,181.3	3.5	4.3	123.40	-176.6	-171.4	324.0	318.6	5.41	59.873			
1,400.0	1,381.8	1,301.4	1,267.8	3.9	4.9	124.83	-197.6	-194.7	369.5	363.5	6.03	61.266			
1,500.0	1,478.7	1,401.8	1,362.2	4.4	5.5	125.48	-223.2	-217.1	413.3	406.5	6.73	61.403			
1,600.0	1,575.6	1,500.8	1,455.3	4.9	6.1	125.41	-251.6	-235.3	454.7	447.2	7.46	60.949			
1,700.0	1,672.4	1,592.1	1,541.1	5.3	6.7	125.23	-278.4	-251.2	495.5	487.4	8.17	60.652			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	-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			
200.0	200.0	200.0	200.0	0.3	0.3	-137.45	-16.2	-14.9	22.0	21.4	0.58	37.700			
300.0	300.0	300.0	300.0	0.5	0.5	-137.45	-16.2	-14.9	22.0	21.0	0.93	23.580			
400.0	400.0	400.0	400.0	0.6	0.6	-137.45	-16.2	-14.9	22.0	20.7	1.28	17.155			
482.0	482.0	482.0	482.0	0.8	0.8	-142.04	-17.3	-13.5	21.9	20.3	1.57	13.967	CC		
500.0	500.0	500.0	500.0	0.8	0.8	-144.28	-17.8	-12.8	21.9	20.3	1.63	13.435	ES		
600.0	600.0	599.7	599.3	1.0	1.0	80.41	-22.6	-6.6	23.0	21.0	2.02	11.398			
700.0	699.6	699.1	697.9	1.2	1.3	69.49	-30.6	3.6	25.6	23.2	2.45	10.438			
800.0	798.8	798.2	795.3	1.4	1.6	61.41	-41.6	17.8	29.4	26.4	2.95	9.951			
900.0	897.1	897.1	891.5	1.8	2.0	55.84	-55.8	35.9	34.0	30.5	3.52	9.648			
1,000.0	994.3	996.6	987.3	2.2	2.5	53.39	-72.3	57.1	38.4	34.2	4.17	9.211			
1,100.0	1,091.2	1,096.5	1,083.5	2.6	3.0	53.03	-89.0	78.5	42.0	37.1	4.88	8.617			
1,200.0	1,188.1	1,196.5	1,179.6	3.0	3.5	52.73	-105.8	100.0	45.6	40.0	5.60	8.149			
1,300.0	1,284.9	1,296.4	1,275.8	3.5	4.0	52.47	-122.5	121.4	49.3	42.9	6.33	7.776			
1,400.0	1,381.8	1,396.3	1,371.9	3.9	4.5	52.25	-139.3	142.9	52.9	45.8	7.07	7.473			
1,500.0	1,478.7	1,496.3	1,468.1	4.4	5.0	52.05	-156.0	164.4	56.5	48.7	7.82	7.224			
1,600.0	1,575.6	1,596.2	1,564.2	4.9	5.5	51.88	-172.8	185.8	60.1	51.5	8.57	7.016			
1,700.0	1,672.4	1,696.1	1,660.4	5.3	6.0	51.73	-189.5	207.3	63.7	54.4	9.32	6.839			
1,800.0	1,769.3	1,796.1	1,756.6	5.8	6.5	51.59	-206.3	228.8	67.4	57.3	10.07	6.688			
1,900.0	1,866.2	1,896.0	1,852.7	6.3	7.0	51.47	-223.0	250.2	71.0	60.2	10.82	6.558			
2,000.0	1,963.0	1,995.9	1,948.9	6.7	7.5	51.36	-239.8	271.7	74.6	63.0	11.58	6.444			
2,100.0	2,059.9	2,095.9	2,045.0	7.2	8.0	51.26	-256.5	293.1	78.2	65.9	12.33	6.343			
2,200.0	2,156.8	2,195.8	2,141.2	7.7	8.6	51.17	-273.2	314.6	81.8	68.8	13.09	6.254			
2,300.0	2,253.6	2,295.8	2,237.3	8.1	9.1	51.08	-290.0	336.1	85.5	71.6	13.84	6.175			
2,400.0	2,350.5	2,395.7	2,333.5	8.6	9.6	51.01	-306.7	357.5	89.1	74.5	14.60	6.103			
2,500.0	2,447.4	2,495.6	2,429.6	9.1	10.1	50.94	-323.5	379.0	92.7	77.4	15.35	6.039			
2,600.0	2,544.3	2,595.6	2,525.8	9.6	10.6	50.87	-340.2	400.5	96.3	80.2	16.11	5.980			
2,700.0	2,641.1	2,695.5	2,621.9	10.0	11.1	50.81	-357.0	421.9	100.0	83.1	16.87	5.927			
2,800.0	2,738.0	2,795.4	2,718.1	10.5	11.6	50.76	-373.7	443.4	103.6	86.0	17.62	5.878			
2,900.0	2,834.9	2,895.4	2,814.3	11.0	12.2	50.70	-390.5	464.9	107.2	88.8	18.38	5.834			
3,000.0	2,931.7	2,995.3	2,910.4	11.5	12.7	50.65	-407.2	486.3	110.8	91.7	19.13	5.792			
3,100.0	3,028.6	3,095.2	3,006.6	11.9	13.2	50.61	-424.0	507.8	114.5	94.6	19.89	5.754			
3,200.0	3,125.5	3,195.2	3,102.7	12.4	13.7	50.57	-440.7	529.2	118.1	97.4	20.65	5.719			
3,300.0	3,222.3	3,295.1	3,198.9	12.9	14.2	50.52	-457.4	550.7	121.7	100.3	21.40	5.686			
3,400.0	3,319.2	3,395.0	3,295.0	13.3	14.7	50.49	-474.2	572.2	125.3	103.2	22.16	5.656			
3,500.0	3,416.1	3,495.0	3,391.2	13.8	15.2	50.45	-490.9	593.6	129.0	106.0	22.92	5.627			
3,600.0	3,513.0	3,594.9	3,487.3	14.3	15.8	50.42	-507.7	615.1	132.6	108.9	23.67	5.600			
3,700.0	3,609.8	3,694.8	3,583.5	14.8	16.3	50.38	-524.4	636.6	136.2	111.8	24.43	5.575			
3,800.0	3,706.7	3,794.8	3,679.6	15.2	16.8	50.35	-541.2	658.0	139.8	114.6	25.19	5.552			
3,900.0	3,803.6	3,894.7	3,775.8	15.7	17.3	50.32	-557.9	679.5	143.5	117.5	25.94	5.530			
4,000.0	3,900.4	3,994.6	3,872.0	16.2	17.8	50.30	-574.7	701.0	147.1	120.4	26.70	5.509			
4,100.0	3,997.3	4,094.6	3,968.1	16.7	18.3	50.27	-591.4	722.4	150.7	123.2	27.46	5.489			
4,200.0	4,094.2	4,194.5	4,064.3	17.1	18.9	50.25	-608.2	743.9	154.3	126.1	28.21	5.470			
4,300.0	4,191.0	4,294.4	4,160.4	17.6	19.4	50.22	-624.9	765.3	157.9	129.0	28.97	5.452			
4,400.0	4,287.9	4,394.4	4,256.6	18.1	19.9	50.20	-641.7	786.8	161.6	131.8	29.73	5.436			
4,500.0	4,384.8	4,494.3	4,352.7	18.6	20.4	50.18	-658.4	808.3	165.2	134.7	30.48	5.420			
4,600.0	4,481.6	4,594.2	4,448.9	19.0	20.9	50.16	-675.1	829.7	168.8	137.6	31.24	5.404			
4,700.0	4,578.5	4,694.2	4,545.0	19.5	21.4	50.14	-691.9	851.2	172.4	140.5	31.99	5.390			
4,800.0	4,675.4	4,794.1	4,641.2	20.0	21.9	50.12	-708.6	872.7	176.1	143.3	32.75	5.376			
4,900.0	4,772.3	4,894.0	4,737.4	20.5	22.5	50.10	-725.4	894.1	179.7	146.2	33.51	5.363			
5,000.0	4,869.1	4,994.0	4,833.5	20.9	23.0	50.08	-742.1	915.6	183.3	149.1	34.26	5.350			

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 UWF12A-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:	UWF12A-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													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	Warning									
5,100.0	4,966.0	5,093.9	4,929.7	21.4	23.5	50.06	-758.9	937.1	186.9	151.9	35.02	5.338										
5,200.0	5,062.9	5,193.8	5,025.8	21.9	24.0	50.05	-775.6	958.5	190.6	154.8	35.78	5.327										
5,300.0	5,159.7	5,293.8	5,122.0	22.4	24.5	50.03	-792.4	980.0	194.2	157.7	36.53	5.315										
5,400.0	5,256.6	5,393.7	5,218.1	22.8	25.0	50.02	-809.1	1,001.4	197.8	160.5	37.29	5.305										
5,500.0	5,353.5	5,493.6	5,314.3	23.3	25.6	50.00	-825.9	1,022.9	201.4	163.4	38.05	5.295										
5,600.0	5,450.3	5,593.6	5,410.4	23.8	26.1	49.99	-842.6	1,044.4	205.1	166.3	38.80	5.285										
5,700.0	5,547.2	5,693.5	5,506.6	24.3	26.6	49.97	-859.3	1,065.8	208.7	169.1	39.56	5.275										
5,800.0	5,644.1	5,793.5	5,602.7	24.7	27.1	49.96	-876.1	1,087.3	212.3	172.0	40.32	5.266										
5,900.0	5,741.0	5,893.4	5,698.9	25.2	27.6	49.95	-892.8	1,108.8	215.9	174.9	41.07	5.258										
6,000.0	5,837.8	5,993.3	5,795.1	25.7	28.1	49.94	-909.6	1,130.2	219.6	177.7	41.83	5.249										
6,100.0	5,934.7	6,093.3	5,891.2	26.2	28.7	49.92	-926.3	1,151.7	223.2	180.6	42.59	5.241										
6,200.0	6,031.6	6,193.2	5,987.4	26.6	29.2	49.91	-943.1	1,173.1	226.8	183.5	43.34	5.233										
6,300.0	6,128.4	6,293.1	6,083.5	27.1	29.7	49.90	-959.8	1,194.6	230.4	186.3	44.10	5.226										
6,400.0	6,225.3	6,393.1	6,179.7	27.6	30.2	49.89	-976.6	1,216.1	234.1	189.2	44.86	5.218										
6,500.0	6,322.2	6,493.0	6,275.8	28.1	30.7	49.88	-993.3	1,237.5	237.7	192.1	45.61	5.211										
6,600.0	6,419.0	6,592.9	6,372.0	28.6	31.2	49.87	-1,010.1	1,259.0	241.3	194.9	46.37	5.204										
6,700.0	6,515.9	6,692.9	6,468.1	29.0	31.7	49.86	-1,026.8	1,280.5	244.9	197.8	47.12	5.198										
6,800.0	6,612.8	6,792.8	6,564.3	29.5	32.3	49.85	-1,043.5	1,301.9	248.6	200.7	47.88	5.191										
6,900.0	6,709.7	6,892.7	6,660.4	30.0	32.8	49.84	-1,060.3	1,323.4	252.2	203.6	48.64	5.185										
7,000.0	6,806.5	6,992.7	6,756.6	30.5	33.3	49.83	-1,077.0	1,344.9	255.8	206.4	49.39	5.179										
7,100.0	6,903.6	7,099.0	6,852.2	30.9	33.8	49.82	-1,094.2	1,366.8	259.3	209.1	50.15	5.171										
7,200.0	7,001.7	7,209.8	6,967.5	31.2	34.2	49.95	-1,108.6	1,385.3	262.0	211.3	50.76	5.162										
7,300.0	7,100.7	7,320.7	7,077.1	31.5	34.5	50.01	-1,119.1	1,398.7	264.0	212.7	51.23	5.153										
7,400.0	7,200.3	7,431.7	7,187.5	31.7	34.7	50.07	-1,125.6	1,407.1	265.1	213.6	51.56	5.142										
7,500.0	7,300.2	7,542.7	7,298.5	31.8	34.8	50.12	-1,128.2	1,410.5	265.5	213.7	51.77	5.128										
7,599.6	7,399.8	7,644.0	7,399.8	31.8	34.9	-59.51	-1,128.3	1,410.5	265.2	213.2	51.99	5.101										
7,600.0	7,400.2	7,644.4	7,400.2	31.8	34.9	-67.31	-1,128.3	1,410.5	265.5	213.5	51.94	5.111										
7,700.0	7,500.2	7,744.4	7,500.1	31.9	34.9	-67.31	-1,128.3	1,410.5	265.5	213.4	52.12	5.093										
7,800.0	7,600.2	7,844.3	7,600.1	32.0	35.0	-67.31	-1,128.4	1,410.4	265.5	213.2	52.30	5.076										
7,900.0	7,700.2	7,944.3	7,700.0	32.0	35.1	-67.31	-1,128.4	1,410.3	265.5	213.0	52.48	5.059										
8,000.0	7,800.2	8,044.3	7,800.0	32.1	35.1	-67.31	-1,128.5	1,410.2	265.5	212.8	52.66	5.042										
8,100.0	7,900.2	8,144.2	7,900.0	32.2	35.2	-67.31	-1,128.6	1,410.0	265.5	212.7	52.84	5.025										
8,200.0	8,000.2	8,244.2	7,999.9	32.3	35.3	-67.31	-1,128.8	1,409.8	265.5	212.5	53.02	5.008										
8,300.0	8,100.2	8,344.1	8,099.9	32.3	35.4	-67.31	-1,128.9	1,409.6	265.5	212.3	53.20	4.991										
8,400.0	8,200.2	8,444.1	8,199.8	32.4	35.4	-67.31	-1,129.1	1,409.3	265.6	212.2	53.38	4.975										
8,500.0	8,300.2	8,544.0	8,299.8	32.5	35.5	-67.32	-1,129.3	1,409.0	265.6	212.0	53.56	4.958										
8,600.0	8,400.2	8,644.0	8,399.7	32.6	35.6	-67.32	-1,129.5	1,408.7	265.6	211.9	53.74	4.942										
8,700.0	8,500.2	8,743.9	8,499.7	32.6	35.6	-67.32	-1,129.7	1,408.4	265.6	211.7	53.93	4.925										
8,800.0	8,600.2	8,843.9	8,599.6	32.7	35.7	-67.32	-1,130.0	1,408.0	265.6	211.5	54.11	4.909										
8,900.0	8,700.2	8,943.9	8,699.6	32.8	35.8	-67.32	-1,130.3	1,407.6	265.7	211.4	54.30	4.893										
9,000.0	8,800.2	9,043.8	8,799.6	32.9	35.9	-67.33	-1,130.6	1,407.1	265.7	211.2	54.48	4.877										
9,100.0	8,900.2	9,143.8	8,899.5	33.0	35.9	-67.33	-1,130.9	1,406.6	265.7	211.1	54.67	4.861										
9,200.0	9,000.2	9,243.7	8,999.5	33.0	36.0	-67.33	-1,131.2	1,406.1	265.8	210.9	54.85	4.845										
9,300.0	9,100.2	9,343.7	9,099.4	33.1	36.1	-67.33	-1,131.6	1,405.6	265.8	210.8	55.04	4.829										
9,400.0	9,200.2	9,443.7	9,199.4	33.2	36.2	-67.34	-1,131.9	1,405.0	265.8	210.6	55.22	4.813										
9,500.0	9,300.2	9,543.7	9,299.4	33.3	36.2	-67.36	-1,132.3	1,404.5	265.8	210.4	55.40	4.798										
9,600.0	9,400.2	9,643.7	9,399.4	33.4	36.3	-67.38	-1,132.7	1,404.0	265.8	210.2	55.58	4.782										
9,700.0	9,500.2	9,743.7	9,499.4	33.5	36.4	-67.40	-1,133.0	1,403.4	265.8	210.1	55.76	4.767										
9,800.0	9,600.2	9,843.7	9,599.4	33.5	36.5	-67.43	-1,133.4	1,402.9	265.8	209.9	55.94	4.751										
9,900.0	9,700.2	9,943.7	9,699.4	33.6	36.5	-67.45	-1,133.8	1,402.3	265.8	209.7	56.13	4.736										
10,000.0	9,800.2	10,043.7	9,799.4	33.7	36.6	-67.47	-1,134.1	1,401.8	265.8	209.5	56.31	4.720										
10,100.0	9,900.2	10,143.7	9,899.4	33.8	36.7	-67.50	-1,134.5	1,401.2	265.8	209.3	56.50	4.704										

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 UWF12A-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:	UWF12A-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													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference													Warning		
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			
10,200.0	10,000.2	10,243.7	9,999.4	33.9	36.8	-67.52	-1,134.8	1,400.7	265.8	209.1	56.69	4.689			
10,300.0	10,100.2	10,343.7	10,099.4	34.0	36.9	-67.54	-1,135.2	1,400.1	265.8	208.9	56.88	4.673			
10,400.0	10,200.2	10,443.7	10,199.4	34.0	37.0	-67.56	-1,135.6	1,399.6	265.8	208.7	57.07	4.657			
10,500.0	10,300.2	10,543.7	10,299.4	34.1	37.0	-67.59	-1,135.9	1,399.0	265.8	208.5	57.26	4.642			
10,600.0	10,400.2	10,643.7	10,399.4	34.2	37.1	-67.61	-1,136.3	1,398.5	265.8	208.3	57.45	4.626			
10,700.0	10,500.2	10,743.7	10,499.4	34.3	37.2	-67.63	-1,136.6	1,398.0	265.8	208.1	57.65	4.610			
10,800.0	10,600.2	10,843.7	10,599.4	34.4	37.3	-67.66	-1,137.0	1,397.4	265.8	207.9	57.85	4.594			
10,900.0	10,700.1	10,943.7	10,699.4	34.5	37.4	-67.68	-1,137.4	1,396.9	265.8	207.7	58.05	4.579			
11,000.0	10,800.1	11,043.7	10,799.4	34.6	37.5	-67.70	-1,137.7	1,396.3	265.8	207.5	58.25	4.563			
11,100.0	10,900.1	11,143.7	10,899.4	34.7	37.5	-67.72	-1,138.1	1,395.8	265.8	207.3	58.45	4.547			
11,200.0	11,000.1	11,243.7	10,999.4	34.8	37.6	-67.75	-1,138.5	1,395.2	265.8	207.1	58.65	4.531			
11,300.0	11,100.1	11,343.7	11,099.4	34.9	37.7	-67.77	-1,138.8	1,394.7	265.8	206.9	58.85	4.516			
11,400.0	11,200.1	11,443.7	11,199.4	35.0	37.8	-67.79	-1,139.2	1,394.1	265.8	206.7	59.06	4.500			
11,500.0	11,300.1	11,543.7	11,299.4	35.1	37.9	-67.82	-1,139.5	1,393.6	265.7	206.5	59.27	4.484			
11,600.0	11,400.1	11,643.7	11,399.4	35.1	38.0	-67.84	-1,139.9	1,393.0	265.7	206.3	59.47	4.468			
11,700.0	11,500.1	11,743.7	11,499.4	35.2	38.1	-67.86	-1,140.3	1,392.5	265.7	206.1	59.68	4.453			
11,800.0	11,600.1	11,843.7	11,599.4	35.3	38.2	-67.88	-1,140.6	1,392.0	265.7	205.8	59.89	4.437			
11,900.0	11,700.1	11,943.7	11,699.4	35.4	38.3	-67.91	-1,141.0	1,391.4	265.7	205.6	60.11	4.421			
12,000.0	11,800.1	12,043.7	11,799.4	35.5	38.4	-67.93	-1,141.4	1,390.9	265.7	205.4	60.32	4.405			
12,100.0	11,900.1	12,143.7	11,899.4	35.6	38.4	-67.95	-1,141.7	1,390.3	265.7	205.2	60.53	4.390			
12,200.0	12,000.1	12,243.7	11,999.4	35.7	38.5	-67.98	-1,142.1	1,389.8	265.7	205.0	60.75	4.374			
12,300.0	12,100.1	12,343.7	12,099.4	35.8	38.6	-68.00	-1,142.4	1,389.2	265.7	204.8	60.97	4.358			
12,400.0	12,200.1	12,443.7	12,199.4	35.9	38.7	-68.02	-1,142.8	1,388.7	265.7	204.5	61.19	4.343			
12,500.0	12,300.1	12,543.7	12,299.4	36.0	38.8	-68.04	-1,143.2	1,388.1	265.7	204.3	61.41	4.327			
12,600.0	12,400.1	12,643.7	12,399.4	36.1	38.9	-68.07	-1,143.5	1,387.6	265.7	204.1	61.63	4.312			
12,700.0	12,500.1	12,743.7	12,499.4	36.2	39.0	-68.09	-1,143.9	1,387.0	265.7	203.9	61.85	4.296			
12,800.0	12,600.1	12,843.7	12,599.4	36.3	39.1	-68.11	-1,144.3	1,386.5	265.7	203.6	62.07	4.281			
12,900.0	12,700.1	12,943.7	12,699.4	36.4	39.2	-68.13	-1,144.6	1,386.0	265.7	203.4	62.30	4.265			
12,945.7	12,745.8	12,989.4	12,745.1	36.5	39.3	-68.15	-1,144.8	1,385.7	265.7	203.3	62.40	4.258 SF			
13,000.0	12,800.1	13,000.0	12,755.7	36.5	39.3	-68.15	-1,144.8	1,385.7	269.3	206.8	62.47	4.310			

CC - Min centre to center distance or covergent 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 UWF12A-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:	UWF12A-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 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	0.0	0.0	0.0	0.0	-165.19	-38.4	-10.2	39.8							
100.0	100.0	100.0	100.0	0.1	0.1	-165.19	-38.4	-10.2	39.8	39.5	0.23	170.054				
200.0	200.0	200.0	200.0	0.3	0.3	-165.19	-38.4	-10.2	39.8	39.2	0.58	68.226				
300.0	300.0	300.0	300.0	0.5	0.5	-165.19	-38.4	-10.2	39.8	38.8	0.93	42.673				
400.0	400.0	400.0	400.0	0.6	0.6	-165.19	-38.4	-10.2	39.8	38.5	1.28	31.045 CC, ES				
500.0	500.0	498.9	498.9	0.8	0.8	-168.32	-40.2	-8.3	41.1	39.4	1.63	25.168				
600.0	600.0	597.5	597.2	1.0	1.0	64.15	-45.5	-2.8	44.5	42.5	2.00	22.217				
700.0	699.6	695.9	694.7	1.2	1.3	60.33	-54.2	6.4	49.0	46.6	2.41	20.290				
800.0	798.8	793.9	791.1	1.4	1.6	57.87	-66.4	19.1	54.4	51.5	2.89	18.803				
900.0	897.1	891.6	886.2	1.8	2.0	56.51	-81.9	35.4	60.6	57.2	3.47	17.492				
1,000.0	994.3	989.5	980.2	2.2	2.5	55.97	-100.7	55.1	67.6	63.4	4.14	16.324				
1,100.0	1,091.2	1,089.2	1,075.5	2.6	3.0	55.71	-121.0	76.5	74.9	70.0	4.86	15.397				
1,200.0	1,188.1	1,188.9	1,170.7	3.0	3.5	55.49	-141.4	97.8	82.2	76.6	5.61	14.659				
1,300.0	1,284.9	1,288.7	1,266.0	3.5	4.1	55.31	-161.7	119.2	89.5	83.2	6.36	14.066				
1,400.0	1,381.8	1,388.4	1,361.3	3.9	4.6	55.16	-182.1	140.6	96.8	89.7	7.13	13.583				
1,500.0	1,478.7	1,488.1	1,456.5	4.4	5.1	55.02	-202.5	161.9	104.2	96.3	7.90	13.184				
1,600.0	1,575.6	1,587.9	1,551.8	4.9	5.7	54.91	-222.8	183.3	111.5	102.8	8.67	12.851				
1,700.0	1,672.4	1,687.6	1,647.1	5.3	6.2	54.81	-243.2	204.7	118.8	109.3	9.45	12.568				
1,800.0	1,769.3	1,787.3	1,742.3	5.8	6.8	54.72	-263.5	226.0	126.1	115.9	10.23	12.325				
1,900.0	1,866.2	1,887.1	1,837.6	6.3	7.3	54.64	-283.9	247.4	133.4	122.4	11.01	12.115				
2,000.0	1,963.0	1,986.8	1,932.9	6.7	7.9	54.57	-304.2	268.7	140.8	129.0	11.80	11.932				
2,100.0	2,059.9	2,086.5	2,028.1	7.2	8.4	54.51	-324.6	290.1	148.1	135.5	12.58	11.770				
2,200.0	2,156.8	2,186.3	2,123.4	7.7	9.0	54.45	-345.0	311.5	155.4	142.0	13.36	11.627				
2,300.0	2,253.6	2,286.0	2,218.7	8.1	9.5	54.40	-365.3	332.8	162.7	148.6	14.15	11.499				
2,400.0	2,350.5	2,385.7	2,313.9	8.6	10.1	54.35	-385.7	354.2	170.0	155.1	14.94	11.384				
2,500.0	2,447.4	2,485.5	2,409.2	9.1	10.6	54.30	-406.0	375.5	177.4	161.6	15.72	11.280				
2,600.0	2,544.3	2,585.2	2,504.4	9.6	11.2	54.26	-426.4	396.9	184.7	168.2	16.51	11.186				
2,700.0	2,641.1	2,684.9	2,599.7	10.0	11.7	54.22	-446.7	418.3	192.0	174.7	17.30	11.101				
2,800.0	2,738.0	2,784.7	2,695.0	10.5	12.3	54.19	-467.1	439.6	199.3	181.2	18.08	11.022				
2,900.0	2,834.9	2,884.4	2,790.2	11.0	12.9	54.16	-487.5	461.0	206.6	187.8	18.87	10.950				
3,000.0	2,931.7	2,984.1	2,885.5	11.5	13.4	54.13	-507.8	482.3	214.0	194.3	19.66	10.884				
3,100.0	3,028.6	3,083.8	2,980.8	11.9	14.0	54.10	-528.2	503.7	221.3	200.8	20.45	10.822				
3,200.0	3,125.5	3,183.6	3,076.0	12.4	14.5	54.07	-548.5	525.1	228.6	207.4	21.24	10.765				
3,300.0	3,222.3	3,283.3	3,171.3	12.9	15.1	54.05	-568.9	546.4	235.9	213.9	22.02	10.712				
3,400.0	3,319.2	3,383.0	3,266.6	13.3	15.6	54.02	-589.2	567.8	243.2	220.4	22.81	10.663				
3,500.0	3,416.1	3,482.8	3,361.8	13.8	16.2	54.00	-609.6	589.2	250.6	227.0	23.60	10.617				
3,600.0	3,513.0	3,582.5	3,457.1	14.3	16.7	53.98	-629.9	610.5	257.9	233.5	24.39	10.574				
3,700.0	3,609.8	3,682.2	3,552.4	14.8	17.3	53.96	-650.3	631.9	265.2	240.0	25.18	10.534				
3,800.0	3,706.7	3,782.0	3,647.6	15.2	17.8	53.94	-670.7	653.2	272.5	246.6	25.97	10.496				
3,900.0	3,803.6	3,881.7	3,742.9	15.7	18.4	53.93	-691.0	674.6	279.9	253.1	26.76	10.460				
4,000.0	3,900.4	3,981.4	3,838.2	16.2	18.9	53.91	-711.4	696.0	287.2	259.6	27.54	10.426				
4,100.0	3,997.3	4,081.2	3,933.4	16.7	19.5	53.89	-731.7	717.3	294.5	266.2	28.33	10.394				
4,200.0	4,094.2	4,180.9	4,028.7	17.1	20.0	53.88	-752.1	738.7	301.8	272.7	29.12	10.364				
4,300.0	4,191.0	4,280.6	4,124.0	17.6	20.6	53.86	-772.4	760.0	309.1	279.2	29.91	10.335				
4,400.0	4,287.9	4,380.4	4,219.2	18.1	21.2	53.85	-792.8	781.4	316.5	285.8	30.70	10.308				
4,500.0	4,384.8	4,480.1	4,314.5	18.6	21.7	53.84	-813.2	802.8	323.8	292.3	31.49	10.282				
4,600.0	4,481.6	4,579.8	4,409.8	19.0	22.3	53.83	-833.5	824.1	331.1	298.8	32.28	10.258				
4,700.0	4,578.5	4,679.6	4,505.0	19.5	22.8	53.81	-853.9	845.5	338.4	305.4	33.07	10.234				
4,800.0	4,675.4	4,779.3	4,600.3	20.0	23.4	53.80	-874.2	866.9	345.8	311.9	33.86	10.212				
4,900.0	4,772.3	4,879.0	4,695.6	20.5	23.9	53.79	-894.6	888.2	353.1	318.4	34.65	10.191				
5,000.0	4,869.1	4,978.7	4,790.8	20.9	24.5	53.78	-914.9	909.6	360.4	325.0	35.44	10.170				
5,100.0	4,966.0	5,078.5	4,886.1	21.4	25.0	53.77	-935.3	930.9	367.7	331.5	36.23	10.151				

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 UWF12A-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:	UWF12A-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													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		
5,200.0	5,062.9	5,178.2	4,981.4	21.9	25.6	53.76	-955.7	952.3	375.0	338.0	37.01	10.132			
5,300.0	5,159.7	5,277.9	5,076.6	22.4	26.1	53.75	-976.0	973.7	382.4	344.6	37.80	10.114			
5,400.0	5,256.6	5,377.7	5,171.9	22.8	26.7	53.74	-996.4	995.0	389.7	351.1	38.59	10.097			
5,500.0	5,353.5	5,477.4	5,267.2	23.3	27.3	53.73	-1,016.7	1,016.4	397.0	357.6	39.38	10.081			
5,600.0	5,450.3	5,577.1	5,362.4	23.8	27.8	53.73	-1,037.1	1,037.7	404.3	364.2	40.17	10.065			
5,700.0	5,547.2	5,676.9	5,457.7	24.3	28.4	53.72	-1,057.4	1,059.1	411.7	370.7	40.96	10.050			
5,800.0	5,644.1	5,776.6	5,553.0	24.7	28.9	53.71	-1,077.8	1,080.5	419.0	377.2	41.75	10.035			
5,900.0	5,741.0	5,876.3	5,648.2	25.2	29.5	53.70	-1,098.2	1,101.8	426.3	383.8	42.54	10.021			
6,000.0	5,837.8	5,976.1	5,743.5	25.7	30.0	53.70	-1,118.5	1,123.2	433.6	390.3	43.33	10.007			
6,100.0	5,934.7	6,075.8	5,838.8	26.2	30.6	53.69	-1,138.9	1,144.5	440.9	396.8	44.12	9.994			
6,200.0	6,031.6	6,175.5	5,934.0	26.6	31.1	53.68	-1,159.2	1,165.9	448.3	403.4	44.91	9.982			
6,300.0	6,128.4	6,275.3	6,029.3	27.1	31.7	53.68	-1,179.6	1,187.3	455.6	409.9	45.70	9.969			
6,400.0	6,225.3	6,375.0	6,124.6	27.6	32.2	53.67	-1,199.9	1,208.6	462.9	416.4	46.49	9.958			
6,500.0	6,322.2	6,474.7	6,219.8	28.1	32.8	53.66	-1,220.3	1,230.0	470.2	423.0	47.28	9.946			
6,600.0	6,419.0	6,574.5	6,315.1	28.6	33.4	53.66	-1,240.7	1,251.4	477.6	429.5	48.07	9.935			
6,700.0	6,515.9	6,674.2	6,410.4	29.0	33.9	53.65	-1,261.0	1,272.7	484.9	436.0	48.86	9.924			
6,800.0	6,612.8	6,773.9	6,505.6	29.5	34.5	53.65	-1,281.4	1,294.1	492.2	442.6	49.65	9.914			
6,900.0	6,709.7	6,873.6	6,600.9	30.0	35.0	53.64	-1,301.7	1,315.4	499.5	449.1	50.44	9.904 SF			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	-164.38	-47.6	-13.3	49.4						
100.0	100.0	100.0	100.0	0.1	0.1	-164.38	-47.6	-13.3	49.4	49.1	0.23	211.139			
200.0	200.0	200.0	200.0	0.3	0.3	-164.38	-47.6	-13.3	49.4	48.8	0.58	84.709			
300.0	300.0	300.0	300.0	0.5	0.5	-164.38	-47.6	-13.3	49.4	48.4	0.93	52.983			
400.0	400.0	400.0	400.0	0.6	0.6	-164.38	-47.6	-13.3	49.4	48.1	1.28	38.546			
500.0	500.0	500.0	500.0	0.8	0.8	-164.38	-47.6	-13.3	49.4	47.7	1.63	30.292			
590.0	590.0	589.4	589.4	1.0	1.0	75.42	-47.9	-13.1	49.1	47.1	1.95	25.197	CC		
600.0	600.0	599.2	599.2	1.0	1.0	75.76	-48.1	-12.9	49.1	47.1	1.98	24.755	ES		
700.0	699.6	697.8	697.6	1.2	1.2	79.52	-52.1	-9.8	50.2	47.8	2.36	21.236			
800.0	798.8	796.4	795.7	1.4	1.4	83.70	-60.2	-3.7	53.3	50.4	2.82	18.878			
900.0	897.1	895.0	893.1	1.8	1.7	87.80	-72.3	5.5	58.4	55.0	3.40	17.144			
1,000.0	994.3	993.5	989.6	2.2	2.0	91.40	-88.3	17.8	65.5	61.4	4.14	15.840			
1,100.0	1,091.2	1,092.0	1,084.8	2.6	2.4	91.88	-108.3	33.0	74.5	69.5	4.97	14.983			
1,200.0	1,188.1	1,190.0	1,178.1	3.0	3.0	88.99	-132.0	51.1	85.1	79.2	5.88	14.480			
1,300.0	1,284.9	1,287.6	1,269.5	3.5	3.5	84.16	-159.3	71.9	97.9	91.1	6.79	14.422	SF		
1,400.0	1,381.8	1,386.3	1,361.5	3.9	4.2	79.84	-187.7	93.6	111.9	104.2	7.68	14.580			
1,500.0	1,478.7	1,485.1	1,453.5	4.4	4.8	76.49	-216.2	115.3	126.4	117.9	8.54	14.804			
1,600.0	1,575.6	1,583.8	1,545.5	4.9	5.4	73.84	-244.7	137.1	141.2	131.8	9.38	15.051			
1,700.0	1,672.4	1,682.5	1,637.4	5.3	6.1	71.69	-273.2	158.8	156.3	146.1	10.21	15.302			
1,800.0	1,769.3	1,781.2	1,729.4	5.8	6.7	69.92	-301.7	180.5	171.5	160.5	11.03	15.545			
1,900.0	1,866.2	1,879.9	1,821.4	6.3	7.4	68.43	-330.1	202.2	186.9	175.0	11.85	15.777			
2,000.0	1,963.0	1,978.6	1,913.4	6.7	8.0	67.18	-358.6	223.9	202.4	189.7	12.65	15.994			
2,100.0	2,059.9	2,077.3	2,005.3	7.2	8.7	66.10	-387.1	245.7	217.9	204.5	13.45	16.198			
2,200.0	2,156.8	2,176.0	2,097.3	7.7	9.3	65.17	-415.6	267.4	233.5	219.3	14.25	16.387			
2,300.0	2,253.6	2,274.7	2,189.3	8.1	10.0	64.35	-444.0	289.1	249.2	234.2	15.05	16.564			
2,400.0	2,350.5	2,373.4	2,281.3	8.6	10.6	63.63	-472.5	310.8	264.9	249.1	15.84	16.727			
2,500.0	2,447.4	2,472.1	2,373.3	9.1	11.3	62.99	-501.0	332.5	280.7	264.0	16.63	16.880			
2,600.0	2,544.3	2,570.8	2,465.2	9.6	12.0	62.42	-529.5	354.3	296.5	279.0	17.42	17.022			
2,700.0	2,641.1	2,669.5	2,557.2	10.0	12.6	61.91	-558.0	376.0	312.3	294.1	18.20	17.155			
2,800.0	2,738.0	2,768.2	2,649.2	10.5	13.3	61.44	-586.4	397.7	328.1	309.1	18.99	17.279			
2,900.0	2,834.9	2,866.9	2,741.2	11.0	13.9	61.02	-614.9	419.4	343.9	324.2	19.77	17.395			
3,000.0	2,931.7	2,965.6	2,833.2	11.5	14.6	60.64	-643.4	441.1	359.8	339.3	20.56	17.503			
3,100.0	3,028.6	3,064.3	2,925.1	11.9	15.2	60.28	-671.9	462.9	375.7	354.4	21.34	17.605			
3,200.0	3,125.5	3,163.1	3,017.1	12.4	15.9	59.96	-700.3	484.6	391.6	369.5	22.12	17.701			
3,300.0	3,222.3	3,261.8	3,109.1	12.9	16.6	59.66	-728.8	506.3	407.5	384.6	22.90	17.792			
3,400.0	3,319.2	3,360.5	3,201.1	13.3	17.2	59.39	-757.3	528.0	423.4	399.7	23.69	17.877			
3,500.0	3,416.1	3,459.2	3,293.1	13.8	17.9	59.13	-785.8	549.7	439.3	414.9	24.47	17.957			
3,600.0	3,513.0	3,557.9	3,385.0	14.3	18.5	58.89	-814.3	571.5	455.3	430.0	25.25	18.033			
3,700.0	3,609.8	3,656.6	3,477.0	14.8	19.2	58.67	-842.7	593.2	471.2	445.2	26.03	18.105			
3,800.0	3,706.7	3,755.3	3,569.0	15.2	19.9	58.47	-871.2	614.9	487.2	460.3	26.81	18.174			

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 UWF12A-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:	UWF12A-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													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	-164.82	-57.7	-15.6	59.8						
100.0	100.0	100.0	100.0	0.1	0.1	-164.82	-57.7	-15.6	59.8	59.5	0.23	255.532			
200.0	200.0	200.0	200.0	0.3	0.3	-164.82	-57.7	-15.6	59.8	59.2	0.58	102.519			
300.0	300.0	300.0	300.0	0.5	0.5	-164.82	-57.7	-15.6	59.8	58.8	0.93	64.122			
400.0	400.0	400.0	400.0	0.6	0.6	-164.82	-57.7	-15.6	59.8	58.5	1.28	46.650			
500.0	500.0	500.0	500.0	0.8	0.8	-164.82	-57.7	-15.6	59.8	58.1	1.63	36.661	CC, ES		
600.0	600.0	598.0	597.9	1.0	1.0	73.49	-59.8	-14.2	60.7	58.7	1.98	30.618			
700.0	699.6	695.9	695.6	1.2	1.2	74.89	-66.0	-10.0	63.5	61.1	2.37	26.784			
800.0	798.8	793.7	792.5	1.4	1.4	76.95	-76.4	-3.1	68.1	65.3	2.84	24.033			
900.0	897.1	891.3	888.6	1.8	1.7	79.37	-90.8	6.6	74.8	71.4	3.43	21.837			
1,000.0	994.3	988.7	983.4	2.2	2.1	81.85	-109.3	19.1	83.6	79.4	4.17	20.057			
1,100.0	1,091.2	1,085.7	1,076.6	2.6	2.6	82.37	-131.6	34.1	94.8	89.8	5.00	18.977			
1,200.0	1,188.1	1,182.0	1,167.6	3.0	3.2	80.52	-157.7	51.6	108.7	102.8	5.87	18.517	SF		
1,300.0	1,284.9	1,277.5	1,256.2	3.5	3.8	77.27	-187.2	71.4	125.5	118.8	6.73	18.635			
1,400.0	1,381.8	1,375.5	1,346.4	3.9	4.4	74.10	-219.0	92.8	143.8	136.2	7.58	18.967			
1,500.0	1,478.7	1,473.6	1,436.7	4.4	5.1	71.65	-250.8	114.2	162.4	154.0	8.41	19.305			
1,600.0	1,575.6	1,571.6	1,526.9	4.9	5.8	69.70	-282.5	135.6	181.3	172.1	9.24	19.630			
1,700.0	1,672.4	1,669.6	1,617.2	5.3	6.5	68.12	-314.3	156.9	200.3	190.3	10.05	19.934			
1,800.0	1,769.3	1,767.7	1,707.4	5.8	7.2	66.81	-346.1	178.3	219.5	208.6	10.86	20.214			
1,900.0	1,866.2	1,865.7	1,797.7	6.3	7.9	65.72	-377.9	199.7	238.7	227.1	11.66	20.473			
2,000.0	1,963.0	1,963.7	1,887.9	6.7	8.6	64.78	-409.7	221.1	258.0	245.6	12.46	20.709			
2,100.0	2,059.9	2,061.8	1,978.1	7.2	9.3	63.98	-441.5	242.4	277.4	264.1	13.26	20.926			
2,200.0	2,156.8	2,159.8	2,068.4	7.7	10.0	63.28	-473.3	263.8	296.8	282.8	14.05	21.125			
2,300.0	2,253.6	2,257.9	2,158.6	8.1	10.7	62.67	-505.1	285.2	316.3	301.4	14.84	21.309			
2,400.0	2,350.5	2,355.9	2,248.9	8.6	11.4	62.13	-536.9	306.6	335.8	320.1	15.63	21.477			
2,500.0	2,447.4	2,453.9	2,339.1	9.1	12.1	61.65	-568.6	327.9	355.3	338.9	16.42	21.633			
2,600.0	2,544.3	2,552.0	2,429.4	9.6	12.8	61.22	-600.4	349.3	374.8	357.6	17.21	21.778			
2,700.0	2,641.1	2,650.0	2,519.6	10.0	13.5	60.83	-632.2	370.7	394.4	376.4	18.00	21.911			
2,800.0	2,738.0	2,748.0	2,609.8	10.5	14.2	60.47	-664.0	392.1	413.9	395.1	18.78	22.036			
2,900.0	2,834.9	2,846.1	2,700.1	11.0	14.9	60.15	-695.8	413.4	433.5	413.9	19.57	22.152			
3,000.0	2,931.7	2,944.1	2,790.3	11.5	15.6	59.86	-727.6	434.8	453.1	432.7	20.36	22.260			
3,100.0	3,028.6	3,042.1	2,880.6	11.9	16.3	59.59	-759.4	456.2	472.7	451.6	21.14	22.361			
3,200.0	3,125.5	3,140.2	2,970.8	12.4	17.0	59.35	-791.2	477.6	492.3	470.4	21.92	22.456			

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 UWF12A-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:	UWF12A-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													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	-164.30	-66.8	-18.8	69.4						
100.0	100.0	100.0	100.0	0.1	0.1	-164.30	-66.8	-18.8	69.4	69.1	0.23	296.591			
200.0	200.0	200.0	200.0	0.3	0.3	-164.30	-66.8	-18.8	69.4	68.8	0.58	118.992			
300.0	300.0	300.0	300.0	0.5	0.5	-164.30	-66.8	-18.8	69.4	68.4	0.93	74.425			
400.0	400.0	400.0	400.0	0.6	0.6	-164.30	-66.8	-18.8	69.4	68.1	1.28	54.146			
433.6	433.6	433.6	433.6	0.7	0.7	-164.30	-66.8	-18.8	69.4	68.0	1.40	49.610	CC, ES		
500.0	500.0	498.8	498.8	0.8	0.8	-164.67	-67.3	-18.5	69.8	68.2	1.63	42.869			
600.0	600.0	596.2	596.1	1.0	1.0	72.16	-71.6	-15.9	72.6	70.6	1.98	36.608			
700.0	699.6	693.4	692.8	1.2	1.2	72.17	-80.0	-10.8	77.3	75.0	2.38	32.546			
800.0	798.8	790.3	788.5	1.4	1.5	73.02	-92.7	-3.2	84.0	81.2	2.85	29.512			
900.0	897.1	886.9	883.1	1.8	1.8	74.43	-109.4	6.9	92.8	89.3	3.44	26.971			
1,000.0	994.3	983.1	976.2	2.2	2.3	76.18	-130.1	19.3	103.5	99.4	4.17	24.814			
1,100.0	1,091.2	1,078.6	1,067.3	2.6	2.8	76.68	-154.6	34.1	117.2	112.2	4.99	23.499			
1,200.0	1,188.1	1,173.2	1,156.0	3.0	3.4	75.48	-182.7	51.0	133.9	128.1	5.83	22.966	SF		
1,300.0	1,284.9	1,266.4	1,241.7	3.5	4.0	73.24	-214.0	69.9	154.0	147.3	6.67	23.091			
1,400.0	1,381.8	1,363.0	1,329.5	3.9	4.7	70.76	-248.7	90.8	176.2	168.8	7.49	23.522			
1,500.0	1,478.7	1,460.3	1,417.7	4.4	5.4	68.82	-283.7	111.8	198.8	190.5	8.31	23.923			
1,600.0	1,575.6	1,557.5	1,506.0	4.9	6.2	67.27	-318.6	132.8	221.5	212.4	9.12	24.291			
1,700.0	1,672.4	1,654.7	1,594.3	5.3	6.9	66.01	-353.5	153.9	244.3	234.4	9.92	24.625			
1,800.0	1,769.3	1,752.0	1,682.5	5.8	7.6	64.96	-388.5	174.9	267.2	256.5	10.72	24.928			
1,900.0	1,866.2	1,849.2	1,770.8	6.3	8.4	64.08	-423.4	196.0	290.2	278.7	11.52	25.202			
2,000.0	1,963.0	1,946.4	1,859.1	6.7	9.1	63.33	-458.4	217.0	313.3	301.0	12.31	25.451			
2,100.0	2,059.9	2,043.6	1,947.3	7.2	9.8	62.69	-493.3	238.0	336.4	323.3	13.10	25.677			
2,200.0	2,156.8	2,140.9	2,035.6	7.7	10.6	62.12	-528.3	259.1	359.5	345.6	13.89	25.883			
2,300.0	2,253.6	2,238.1	2,123.8	8.1	11.3	61.62	-563.2	280.1	382.7	368.0	14.68	26.071			
2,400.0	2,350.5	2,335.3	2,212.1	8.6	12.1	61.18	-598.2	301.2	405.8	390.4	15.46	26.244			
2,500.0	2,447.4	2,432.6	2,300.4	9.1	12.8	60.79	-633.1	322.2	429.0	412.8	16.25	26.403			
2,600.0	2,544.3	2,529.8	2,388.6	9.6	13.6	60.44	-668.1	343.2	452.3	435.2	17.03	26.550			
2,700.0	2,641.1	2,627.0	2,476.9	10.0	14.3	60.12	-703.0	364.3	475.5	457.7	17.82	26.686			
2,800.0	2,738.0	2,724.3	2,565.1	10.5	15.1	59.83	-737.9	385.3	498.7	480.1	18.60	26.812			

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 UWF12A-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:	UWF12A-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													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	-164.64	-76.9	-21.1	79.7						
100.0	100.0	100.0	100.0	0.1	0.1	-164.64	-76.9	-21.1	79.7	79.5	0.23	340.962			
200.0	200.0	200.0	200.0	0.3	0.3	-164.64	-76.9	-21.1	79.7	79.2	0.58	136.793			
300.0	300.0	300.0	300.0	0.5	0.5	-164.64	-76.9	-21.1	79.7	78.8	0.93	85.560			
400.0	400.0	400.0	400.0	0.6	0.6	-164.64	-76.9	-21.1	79.7	78.5	1.28	62.246	CC, ES		
500.0	500.0	497.0	496.9	0.8	0.8	-165.83	-79.1	-20.0	81.6	80.0	1.63	50.076			
600.0	600.0	593.6	593.3	1.0	1.0	70.17	-85.5	-16.5	86.5	84.5	1.99	43.526			
700.0	699.6	689.9	688.8	1.2	1.3	69.49	-96.3	-10.8	93.4	91.0	2.39	39.156			
800.0	798.8	785.8	783.1	1.4	1.6	69.73	-111.2	-2.9	102.4	99.6	2.86	35.804			
900.0	897.1	881.1	876.0	1.8	2.0	70.65	-130.1	7.2	113.4	110.0	3.45	32.905			
1,000.0	994.3	975.8	967.1	2.2	2.4	72.03	-152.9	19.4	126.5	122.3	4.17	30.361			
1,100.0	1,091.2	1,069.7	1,056.0	2.6	3.0	72.66	-179.4	33.6	142.7	137.7	4.96	28.767			
1,200.0	1,188.1	1,162.4	1,142.3	3.0	3.6	72.01	-209.4	49.5	162.4	156.6	5.78	28.083	SF		
1,300.0	1,284.9	1,253.5	1,225.3	3.5	4.3	70.56	-242.4	67.1	185.5	178.9	6.60	28.117			
1,400.0	1,381.8	1,347.6	1,309.7	3.9	5.0	68.73	-279.3	86.8	211.4	204.0	7.40	28.557			
1,500.0	1,478.7	1,443.9	1,395.9	4.4	5.8	67.24	-317.2	107.0	237.8	229.5	8.21	28.954			
1,600.0	1,575.6	1,540.2	1,482.1	4.9	6.5	66.03	-355.1	127.2	264.2	255.2	9.01	29.308			
1,700.0	1,672.4	1,636.6	1,568.3	5.3	7.3	65.05	-393.0	147.4	290.7	280.9	9.81	29.623			
1,800.0	1,769.3	1,732.9	1,654.5	5.8	8.1	64.23	-430.9	167.6	317.3	306.7	10.61	29.905			
1,900.0	1,866.2	1,829.2	1,740.7	6.3	8.8	63.54	-468.8	187.9	343.9	332.5	11.40	30.158			
2,000.0	1,963.0	1,925.5	1,826.9	6.7	9.6	62.95	-506.7	208.1	370.6	358.4	12.20	30.385			
2,100.0	2,059.9	2,021.8	1,913.1	7.2	10.4	62.44	-544.7	228.3	397.3	384.3	12.99	30.591			
2,200.0	2,156.8	2,118.1	1,999.3	7.7	11.2	61.99	-582.6	248.5	424.0	410.3	13.78	30.778			
2,300.0	2,253.6	2,214.4	2,085.5	8.1	12.0	61.59	-620.5	268.7	450.8	436.2	14.57	30.948			
2,400.0	2,350.5	2,310.7	2,171.7	8.6	12.7	61.24	-658.4	288.9	477.6	462.2	15.35	31.103			

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 UWF12A-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:	UWF12A-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													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	-164.25	-86.0	-24.2	89.4						
100.0	100.0	100.0	100.0	0.1	0.1	-164.25	-86.0	-24.2	89.4	89.1	0.23	382.078			
200.0	200.0	200.0	200.0	0.3	0.3	-164.25	-86.0	-24.2	89.4	88.8	0.58	153.289			
300.0	300.0	300.0	300.0	0.5	0.5	-164.25	-86.0	-24.2	89.4	88.4	0.93	95.877			
333.5	333.5	333.5	333.5	0.5	0.5	-164.25	-86.0	-24.2	89.4	88.3	1.05	85.198	CC, ES		
400.0	400.0	398.3	398.3	0.6	0.6	-164.52	-86.6	-24.0	89.8	88.5	1.28	70.260			
500.0	500.0	494.7	494.6	0.8	0.8	-166.51	-90.9	-21.8	93.6	92.0	1.64	57.269			
600.0	600.0	590.6	589.9	1.0	1.0	68.93	-99.6	-17.5	100.6	98.6	1.99	50.514			
700.0	699.6	685.9	684.2	1.2	1.3	67.74	-112.4	-11.1	109.8	107.4	2.40	45.786			
800.0	798.8	780.7	777.1	1.4	1.7	67.51	-129.3	-2.7	120.9	118.1	2.87	42.070			
900.0	897.1	874.8	868.3	1.8	2.1	67.99	-150.2	7.6	134.0	130.6	3.46	38.781			
1,000.0	994.3	968.2	957.5	2.2	2.6	69.00	-174.8	19.9	149.2	145.0	4.16	35.827			
1,100.0	1,091.2	1,060.6	1,044.3	2.6	3.2	69.60	-203.0	33.9	167.5	162.6	4.94	33.908			
1,200.0	1,188.1	1,151.5	1,128.2	3.0	3.8	69.20	-234.4	49.5	189.5	183.7	5.74	33.011			
1,300.0	1,284.9	1,240.8	1,208.8	3.5	4.5	68.15	-268.7	66.5	215.0	208.5	6.54	32.887	SF		
1,400.0	1,381.8	1,331.1	1,288.7	3.9	5.3	66.71	-306.5	85.3	244.0	236.7	7.32	33.311			
1,500.0	1,478.7	1,426.4	1,372.5	4.4	6.1	65.40	-347.1	105.5	273.8	265.7	8.12	33.728			
1,600.0	1,575.6	1,521.7	1,456.3	4.9	6.9	64.35	-387.7	125.7	303.7	294.8	8.91	34.097			
1,700.0	1,672.4	1,617.0	1,540.1	5.3	7.7	63.48	-428.3	145.8	333.7	324.0	9.69	34.425			
1,800.0	1,769.3	1,712.3	1,624.0	5.8	8.5	62.76	-468.9	166.0	363.7	353.2	10.48	34.717			
1,900.0	1,866.2	1,807.6	1,707.8	6.3	9.3	62.15	-509.5	186.2	393.8	382.5	11.26	34.978			
2,000.0	1,963.0	1,902.8	1,791.6	6.7	10.1	61.62	-550.0	206.4	423.9	411.9	12.04	35.214			
2,100.0	2,059.9	1,998.1	1,875.4	7.2	11.0	61.17	-590.6	226.5	454.1	441.3	12.82	35.426			
2,200.0	2,156.8	2,093.4	1,959.2	7.7	11.8	60.77	-631.2	246.7	484.2	470.6	13.59	35.619			

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 UWF12A-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:	UWF12A-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													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	-164.53	-96.1	-26.6	99.7						
100.0	100.0	100.0	100.0	0.1	0.1	-164.53	-96.1	-26.6	99.7	99.5	0.23	426.429			
200.0	200.0	200.0	200.0	0.3	0.3	-164.53	-96.1	-26.6	99.7	99.1	0.58	171.082			
300.0	300.0	300.0	300.0	0.5	0.5	-164.53	-96.1	-26.6	99.7	98.8	0.93	107.007	CC, ES		
400.0	400.0	396.1	396.0	0.6	0.6	-165.41	-98.3	-25.6	101.7	100.4	1.28	79.410			
500.0	500.0	491.7	491.3	0.8	0.8	-167.84	-104.9	-22.6	107.6	106.0	1.66	64.955			
600.0	600.0	586.6	585.5	1.0	1.1	67.38	-115.6	-17.7	116.9	114.9	2.00	58.385			
700.0	699.6	680.8	678.3	1.2	1.4	65.98	-130.5	-10.9	128.3	125.9	2.41	53.218			
800.0	798.8	774.4	769.5	1.4	1.8	65.53	-149.4	-2.2	141.7	138.8	2.89	49.088			
900.0	897.1	867.1	858.8	1.8	2.3	65.79	-172.1	8.2	157.1	153.6	3.46	45.369			
1,000.0	994.3	959.0	946.0	2.2	2.8	66.60	-198.5	20.2	174.4	170.2	4.16	41.968			
1,100.0	1,091.2	1,049.7	1,030.5	2.6	3.4	67.23	-228.2	33.8	194.9	190.0	4.91	39.678			
1,200.0	1,188.1	1,138.8	1,112.1	3.0	4.1	67.07	-261.0	48.8	219.2	213.6	5.69	38.515			
1,300.0	1,284.9	1,226.0	1,190.2	3.5	4.8	66.38	-296.3	64.9	247.2	240.7	6.47	38.191	SF		
1,400.0	1,381.8	1,311.9	1,265.2	3.9	5.5	65.35	-334.3	82.3	278.8	271.5	7.24	38.505			
1,500.0	1,478.7	1,406.1	1,346.7	4.4	6.4	64.25	-377.3	101.9	311.9	303.9	8.02	38.877			
1,600.0	1,575.6	1,500.3	1,428.2	4.9	7.2	63.37	-420.3	121.6	345.1	336.3	8.80	39.206			
1,700.0	1,672.4	1,594.5	1,509.6	5.3	8.1	62.64	-463.3	141.3	378.4	368.8	9.58	39.496			
1,800.0	1,769.3	1,688.7	1,591.1	5.8	8.9	62.03	-506.3	160.9	411.7	401.4	10.36	39.755			
1,900.0	1,866.2	1,782.9	1,672.6	6.3	9.8	61.51	-549.3	180.6	445.1	433.9	11.13	39.987			
2,000.0	1,963.0	1,877.1	1,754.1	6.7	10.6	61.06	-592.3	200.3	478.5	466.6	11.90	40.195			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	-157.56	-73.9	-30.5	79.9						
100.0	100.0	100.0	100.0	0.1	0.1	-157.56	-73.9	-30.5	79.9	79.7	0.23	341.702			
200.0	200.0	200.0	200.0	0.3	0.3	-157.56	-73.9	-30.5	79.9	79.3	0.58	137.090			
300.0	300.0	300.0	300.0	0.5	0.5	-157.56	-73.9	-30.5	79.9	79.0	0.93	85.745			
400.0	400.0	400.0	400.0	0.6	0.6	-157.56	-73.9	-30.5	79.9	78.6	1.28	62.382			
455.6	455.6	455.6	455.6	0.7	0.7	-157.56	-73.9	-30.5	79.9	78.4	1.47	54.180	CC, ES		
500.0	500.0	499.0	499.0	0.8	0.8	-157.57	-74.0	-30.5	80.1	78.4	1.63	49.171			
600.0	600.0	594.9	594.8	1.0	1.0	81.54	-77.5	-31.5	83.4	81.4	1.97	42.234			
700.0	699.6	690.0	689.5	1.2	1.2	85.58	-85.3	-34.3	91.2	88.9	2.34	38.915			
800.0	798.8	783.7	782.4	1.4	1.4	91.21	-97.1	-39.0	104.4	101.6	2.76	37.775	SF		
900.0	897.1	875.6	872.7	1.8	1.7	97.05	-112.7	-45.6	123.8	120.6	3.26	37.976			
1,000.0	994.3	965.0	959.6	2.2	2.1	102.33	-131.5	-53.9	149.8	146.0	3.84	39.022			
1,100.0	1,091.2	1,052.1	1,043.5	2.6	2.5	106.38	-153.4	-63.6	181.5	177.0	4.46	40.670			
1,200.0	1,188.1	1,137.2	1,124.1	3.0	3.0	108.72	-178.1	-74.8	217.5	212.4	5.12	42.504			
1,300.0	1,284.9	1,219.7	1,201.1	3.5	3.5	109.96	-205.1	-87.1	257.3	251.5	5.80	44.384			
1,400.0	1,381.8	1,300.0	1,274.7	3.9	4.1	110.51	-234.1	-100.5	300.6	294.1	6.50	46.268			
1,500.0	1,478.7	1,377.8	1,344.7	4.4	4.7	110.62	-264.9	-114.8	347.0	339.8	7.21	48.136			
1,600.0	1,575.6	1,465.7	1,423.1	4.9	5.4	110.59	-300.9	-131.5	394.8	386.8	7.97	49.554			
1,700.0	1,672.4	1,553.5	1,501.5	5.3	6.1	110.57	-336.8	-148.2	442.6	433.8	8.73	50.689			
1,800.0	1,769.3	1,641.4	1,579.9	5.8	6.8	110.55	-372.8	-164.9	490.3	480.8	9.50	51.609			

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 UWF12A-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:	UWF12A-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													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	-164.57	-28.3	-7.8	29.4						
100.0	100.0	100.0	100.0	0.1	0.1	-164.57	-28.3	-7.8	29.4	29.2	0.23	125.689			
200.0	200.0	200.0	200.0	0.3	0.3	-164.57	-28.3	-7.8	29.4	28.8	0.58	50.426			
300.0	300.0	300.0	300.0	0.5	0.5	-164.57	-28.3	-7.8	29.4	28.5	0.93	31.540			
400.0	400.0	400.1	400.0	0.6	0.6	-169.68	-28.8	-5.2	29.3	28.0	1.28	22.809			
403.1	403.1	403.1	403.1	0.6	0.7	-170.00	-28.8	-5.1	29.3	28.0	1.29	22.614	CC, ES		
500.0	500.0	499.6	499.2	0.8	0.9	175.38	-30.1	2.4	30.3	28.6	1.65	18.296			
600.0	600.0	597.9	596.7	1.0	1.1	36.28	-33.2	14.7	34.3	32.3	2.07	16.576			
700.0	699.6	695.7	692.9	1.2	1.5	23.70	-38.8	31.1	40.6	38.1	2.46	16.532	SF		
800.0	798.8	793.0	787.7	1.4	1.9	14.73	-46.9	51.7	48.1	45.3	2.81	17.140			
900.0	897.1	889.9	880.9	1.8	2.4	8.26	-57.5	76.2	56.4	53.2	3.13	18.006			
1,000.0	994.3	986.4	972.1	2.2	3.0	3.45	-70.4	104.6	65.1	61.7	3.44	18.945			
1,100.0	1,091.2	1,081.9	1,060.9	2.6	3.7	-0.22	-85.6	136.5	77.5	73.8	3.75	20.682			
1,200.0	1,188.1	1,176.0	1,146.5	3.0	4.4	-2.75	-102.8	171.7	95.1	91.1	4.07	23.375			
1,300.0	1,284.9	1,268.3	1,228.4	3.5	5.2	-4.32	-121.7	209.6	117.6	113.2	4.40	26.733			
1,400.0	1,381.8	1,358.4	1,306.3	3.9	6.1	-5.23	-142.3	249.8	144.8	140.1	4.74	30.577			
1,500.0	1,478.7	1,445.9	1,379.9	4.4	7.1	-5.72	-164.1	291.8	176.4	171.4	5.07	34.794			
1,600.0	1,575.6	1,535.1	1,452.9	4.9	8.1	-5.97	-187.9	337.1	211.8	206.4	5.41	39.153			
1,700.0	1,672.4	1,628.4	1,529.0	5.3	9.1	-6.14	-213.0	385.0	247.8	242.1	5.76	43.035			
1,800.0	1,769.3	1,721.6	1,605.0	5.8	10.2	-6.27	-238.2	432.8	283.8	277.7	6.11	46.468			
1,900.0	1,866.2	1,814.9	1,681.1	6.3	11.2	-6.37	-263.3	480.7	319.8	313.3	6.46	49.525			
2,000.0	1,963.0	1,908.2	1,757.1	6.7	12.3	-6.45	-288.5	528.5	355.8	349.0	6.81	52.263			
2,100.0	2,059.9	2,001.5	1,833.2	7.2	13.3	-6.52	-313.6	576.3	391.8	384.6	7.16	54.730			
2,200.0	2,156.8	2,094.8	1,909.2	7.7	14.4	-6.57	-338.8	624.2	427.8	420.2	7.51	56.962			
2,300.0	2,253.6	2,188.1	1,985.3	8.1	15.5	-6.62	-363.9	672.0	463.7	455.9	7.86	58.993			
2,400.0	2,350.5	2,281.4	2,061.3	8.6	16.5	-6.66	-389.1	719.8	499.7	491.5	8.21	60.848			

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 UWF12A-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:	UWF12A-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													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	-154.71	-54.6	-25.8	60.4						
100.0	100.0	100.0	100.0	0.1	0.1	-154.71	-54.6	-25.8	60.4	60.2	0.23	258.367			
200.0	200.0	200.0	200.0	0.3	0.3	-154.71	-54.6	-25.8	60.4	59.8	0.58	103.656			
300.0	300.0	300.0	300.0	0.5	0.5	-154.71	-54.6	-25.8	60.4	59.5	0.93	64.834			
400.0	400.0	400.0	400.0	0.6	0.6	-154.71	-54.6	-25.8	60.4	59.1	1.28	47.168			
500.0	500.0	500.0	500.0	0.8	0.8	-154.71	-54.6	-25.8	60.4	58.8	1.63	37.068	CC, ES		
600.0	600.0	596.8	596.8	1.0	1.0	85.50	-56.8	-27.0	62.7	60.7	1.98	31.701			
700.0	699.6	692.9	692.6	1.2	1.2	91.62	-63.1	-30.6	70.1	67.8	2.35	29.860	SF		
800.0	798.8	787.6	786.5	1.4	1.4	99.11	-73.5	-36.4	83.9	81.1	2.77	30.328			
900.0	897.1	880.2	877.7	1.8	1.7	105.93	-87.5	-44.3	104.8	101.5	3.25	32.225			
1,000.0	994.3	970.3	965.5	2.2	2.1	111.37	-104.9	-54.0	132.9	129.0	3.81	34.877			
1,100.0	1,091.2	1,058.0	1,050.1	2.6	2.5	115.06	-125.2	-65.4	166.4	162.0	4.41	37.737			
1,200.0	1,188.1	1,143.5	1,131.4	3.0	2.9	116.87	-148.3	-78.4	203.9	198.9	5.04	40.425			
1,300.0	1,284.9	1,226.4	1,209.0	3.5	3.4	117.60	-173.6	-92.7	245.0	239.3	5.70	42.951			
1,400.0	1,381.8	1,313.6	1,289.6	3.9	4.0	117.79	-202.7	-109.0	288.6	282.2	6.40	45.077			
1,500.0	1,478.7	1,403.5	1,372.6	4.4	4.6	117.93	-232.8	-125.9	332.3	325.2	7.12	46.666			
1,600.0	1,575.6	1,493.4	1,455.6	4.9	5.2	118.03	-262.9	-142.8	376.1	368.2	7.85	47.899			
1,700.0	1,672.4	1,583.3	1,538.7	5.3	5.8	118.11	-293.0	-159.7	419.8	411.2	8.59	48.880			
1,800.0	1,769.3	1,673.3	1,621.7	5.8	6.4	118.17	-323.0	-176.6	463.6	454.2	9.33	49.677			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	-146.81	-26.3	-17.2	31.4						
100.0	100.0	100.0	100.0	0.1	0.1	-146.81	-26.3	-17.2	31.4	31.2	0.23	134.430			
200.0	200.0	200.0	200.0	0.3	0.3	-146.81	-26.3	-17.2	31.4	30.9	0.58	53.933			
300.0	300.0	300.0	300.0	0.5	0.5	-146.81	-26.3	-17.2	31.4	30.5	0.93	33.733			
400.0	400.0	400.0	400.0	0.6	0.6	-148.01	-26.6	-16.6	31.4	30.1	1.28	24.518			
427.5	427.5	427.5	427.5	0.7	0.7	-149.68	-27.1	-15.9	31.4	30.0	1.38	22.782	CC, ES		
500.0	500.0	499.8	499.7	0.8	0.8	-157.48	-29.3	-12.1	31.7	30.1	1.64	19.370			
600.0	600.0	599.1	598.4	1.0	1.1	67.02	-34.5	-3.2	33.6	31.5	2.05	16.422			
700.0	699.6	697.9	696.0	1.2	1.4	55.57	-42.3	10.1	36.9	34.4	2.49	14.826			
800.0	798.8	796.4	792.4	1.4	1.7	46.23	-52.5	27.6	41.2	38.3	2.96	13.935			
900.0	897.1	894.5	887.2	1.8	2.2	38.73	-65.2	49.3	46.3	42.9	3.44	13.464			
1,000.0	994.3	992.2	980.2	2.2	2.8	32.67	-80.3	75.1	51.9	48.0	3.91	13.286	SF		
1,100.0	1,091.2	1,089.2	1,070.8	2.6	3.4	26.31	-97.6	104.7	61.0	56.7	4.30	14.196			
1,200.0	1,188.1	1,184.8	1,158.4	3.0	4.1	20.19	-117.0	137.8	75.3	70.7	4.59	16.389			
1,300.0	1,284.9	1,278.6	1,242.5	3.5	4.9	15.20	-138.0	173.9	94.8	90.0	4.85	19.557			
1,400.0	1,381.8	1,370.3	1,322.4	3.9	5.8	11.43	-160.6	212.5	119.5	114.4	5.10	23.423			
1,500.0	1,478.7	1,459.5	1,398.1	4.4	6.7	8.66	-184.5	253.2	149.0	143.6	5.36	27.777			
1,600.0	1,575.6	1,545.9	1,469.3	4.9	7.7	6.62	-209.2	295.6	183.0	177.4	5.64	32.472			
1,700.0	1,672.4	1,629.3	1,535.8	5.3	8.7	5.11	-234.7	339.0	221.3	215.4	5.92	37.417			
1,800.0	1,769.3	1,716.1	1,603.1	5.8	9.8	3.91	-262.3	386.4	263.0	256.8	6.21	42.355			
1,900.0	1,866.2	1,806.8	1,673.1	6.3	10.9	2.98	-291.4	436.0	305.1	298.6	6.52	46.804			
2,000.0	1,963.0	1,897.4	1,743.2	6.7	12.1	2.28	-320.4	485.6	347.2	340.4	6.83	50.808			
2,100.0	2,059.9	1,988.0	1,813.2	7.2	13.2	1.73	-349.4	535.3	389.4	382.2	7.15	54.429			
2,200.0	2,156.8	2,078.6	1,883.3	7.7	14.4	1.29	-378.4	584.9	431.6	424.1	7.48	57.722			
2,300.0	2,253.6	2,169.3	1,953.3	8.1	15.5	0.92	-407.4	634.5	473.8	466.0	7.80	60.729			

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 UWF12A-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:	UWF12A-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													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	-156.50	-64.8	-28.2	70.6						
100.0	100.0	100.0	100.0	0.1	0.1	-156.50	-64.8	-28.2	70.6	70.4	0.23	301.917			
200.0	200.0	200.0	200.0	0.3	0.3	-156.50	-64.8	-28.2	70.6	70.0	0.58	121.129			
300.0	300.0	300.0	300.0	0.5	0.5	-156.50	-64.8	-28.2	70.6	69.7	0.93	75.762	CC, ES		
400.0	400.0	396.5	396.5	0.6	0.6	-155.95	-66.6	-29.7	73.0	71.8	1.28	57.158			
500.0	500.0	492.5	492.2	0.8	0.8	-154.50	-72.2	-34.4	80.3	78.7	1.64	49.066			
600.0	600.0	587.5	586.4	1.0	1.1	86.41	-81.2	-42.1	92.3	90.4	1.97	46.914	SF		
700.0	699.6	680.6	678.1	1.2	1.4	91.50	-93.6	-52.6	109.5	107.2	2.33	46.959			
800.0	798.8	771.1	766.4	1.4	1.8	97.00	-108.9	-65.5	132.8	130.0	2.73	48.559			
900.0	897.1	858.5	850.6	1.8	2.2	101.96	-126.7	-80.5	162.8	159.5	3.20	50.849			
1,000.0	994.3	942.2	930.1	2.2	2.7	106.23	-146.4	-97.2	199.5	195.7	3.73	53.419			
1,100.0	1,091.2	1,027.8	1,010.5	2.6	3.2	109.90	-169.6	-115.6	241.0	236.6	4.33	55.708			
1,200.0	1,188.1	1,115.2	1,091.7	3.0	3.8	111.75	-196.8	-133.1	284.0	279.1	4.97	57.098			
1,300.0	1,284.9	1,202.8	1,172.1	3.5	4.4	112.37	-227.5	-149.1	328.0	322.4	5.67	57.853			
1,400.0	1,381.8	1,292.4	1,254.0	3.9	5.1	112.62	-260.3	-165.0	372.3	365.9	6.39	58.247			
1,500.0	1,478.7	1,382.1	1,336.0	4.4	5.7	112.81	-293.0	-180.8	416.6	409.4	7.13	58.434			
1,600.0	1,575.6	1,471.7	1,417.9	4.9	6.4	112.97	-325.8	-196.6	460.9	453.0	7.88	58.505			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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													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	-158.18	-84.0	-33.6	90.5						
100.0	100.0	100.0	100.0	0.1	0.1	-158.18	-84.0	-33.6	90.5	90.2	0.23	386.890			
200.0	200.0	200.0	200.0	0.3	0.3	-158.18	-84.0	-33.6	90.5	89.9	0.58	155.219			
300.0	300.0	300.0	300.0	0.5	0.5	-158.18	-84.0	-33.6	90.5	89.6	0.93	97.085			
400.0	400.0	400.0	400.0	0.6	0.6	-158.18	-84.0	-33.6	90.5	89.2	1.28	70.631			
433.3	433.3	433.3	433.3	0.7	0.7	-158.18	-84.0	-33.6	90.5	89.1	1.40	64.751	CC, ES		
500.0	500.0	497.7	497.7	0.8	0.8	-158.17	-84.5	-33.9	91.1	89.5	1.63	56.019			
600.0	600.0	592.9	592.8	1.0	1.0	81.07	-88.9	-35.8	95.7	93.7	1.97	48.532			
700.0	699.6	687.3	686.7	1.2	1.2	84.84	-97.5	-39.5	104.7	102.3	2.34	44.760			
800.0	798.8	780.3	778.6	1.4	1.5	89.86	-110.1	-44.9	118.9	116.2	2.76	43.148			
900.0	897.1	871.3	867.9	1.8	1.8	95.06	-126.5	-52.0	139.1	135.8	3.25	42.792	SF		
1,000.0	994.3	959.8	953.8	2.2	2.2	99.87	-146.1	-60.5	165.6	161.7	3.83	43.226			
1,100.0	1,091.2	1,046.3	1,036.6	2.6	2.6	103.72	-168.7	-70.3	197.5	193.0	4.45	44.334			
1,200.0	1,188.1	1,130.6	1,116.3	3.0	3.1	106.05	-194.1	-81.3	233.8	228.7	5.11	45.758			
1,300.0	1,284.9	1,212.9	1,192.7	3.5	3.6	107.32	-222.0	-93.2	273.8	268.0	5.80	47.238			
1,400.0	1,381.8	1,292.6	1,265.6	3.9	4.2	107.88	-252.0	-105.8	317.1	310.6	6.50	48.758			
1,500.0	1,478.7	1,369.8	1,334.7	4.4	4.8	108.00	-283.7	-119.0	363.5	356.2	7.23	50.264			
1,600.0	1,575.6	1,450.5	1,405.6	4.9	5.5	107.83	-319.3	-133.6	412.4	404.5	7.97	51.718			
1,700.0	1,672.4	1,537.4	1,481.8	5.3	6.2	107.66	-358.0	-149.5	461.8	453.1	8.75	52.783			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF12A-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:	UWF12A-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

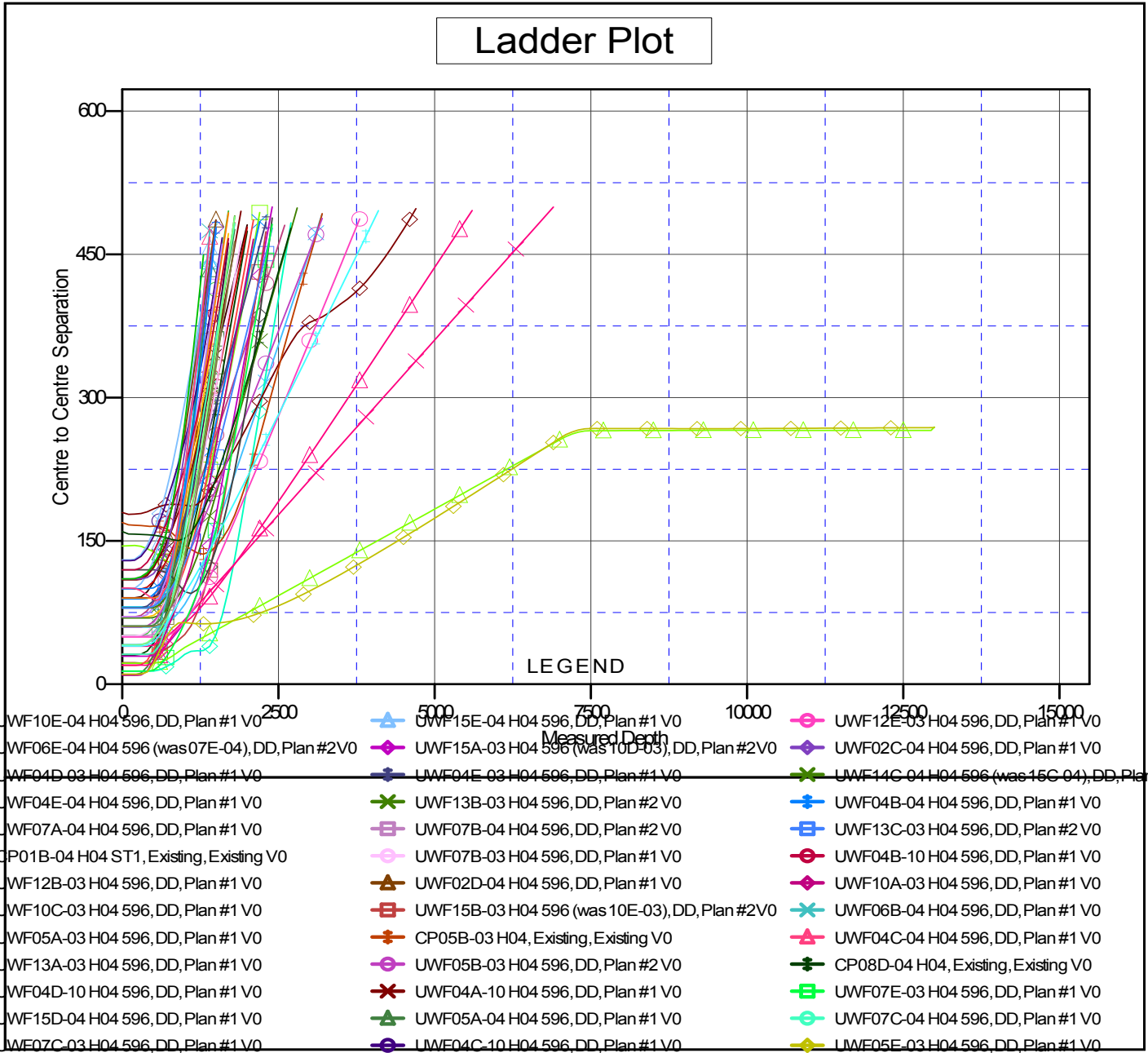
Offset Design													Offset Site Error:	0.0 ft		
Survey Program: 0-MWD													H04 596 Pad - UWF15E-04 H04 596 - DD - Plan #1		Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	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	0.0	0.0	0.0	0.0	-158.87	-93.1	-36.0	99.8							
100.0	100.0	100.0	100.0	0.1	0.1	-158.87	-93.1	-36.0	99.8	99.6	0.23	426.709				
133.3	133.3	133.3	133.3	0.2	0.2	-158.87	-93.1	-36.0	99.8	99.4	0.35	284.941	CC, ES			
200.0	200.0	197.5	197.5	0.3	0.3	-158.81	-93.6	-36.3	100.4	99.8	0.58	173.383				
300.0	300.0	292.4	292.2	0.5	0.5	-158.42	-97.7	-38.6	105.3	104.4	0.93	112.864				
400.0	400.0	386.5	385.9	0.6	0.7	-157.74	-105.7	-43.3	115.1	113.8	1.32	87.435				
500.0	500.0	479.5	477.9	0.8	1.0	-156.91	-117.6	-50.2	129.8	128.0	1.74	74.518				
600.0	600.0	570.9	567.5	1.0	1.4	82.13	-133.1	-59.1	148.8	146.9	1.94	76.761				
700.0	699.6	660.3	654.2	1.2	1.8	84.51	-151.8	-69.9	172.1	169.8	2.29	75.017				
800.0	798.8	747.0	737.3	1.4	2.3	87.37	-173.2	-82.3	200.1	197.4	2.69	74.300				
900.0	897.1	830.6	816.3	1.8	2.8	90.23	-197.0	-96.0	233.1	229.9	3.16	73.689				
1,000.0	994.3	910.9	890.9	2.2	3.3	93.06	-222.6	-110.8	271.1	267.4	3.71	73.029				
1,100.0	1,091.2	988.6	961.9	2.6	3.9	96.07	-250.0	-126.6	314.0	309.7	4.31	72.852				
1,200.0	1,188.1	1,070.4	1,035.5	3.0	4.6	98.17	-281.7	-143.1	360.0	355.1	4.97	72.398				
1,300.0	1,284.9	1,151.4	1,107.2	3.5	5.3	99.30	-316.0	-158.2	407.8	402.2	5.67	71.895				
1,400.0	1,381.8	1,234.4	1,179.7	3.9	6.0	99.81	-354.0	-172.4	457.0	450.6	6.40	71.425	SF			

Cathedral Energy Services

Anticollision Report

Company: EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference: Well UWF12A-03 H04 596	Well UWF12A-03 H04 596
Project: North Piceance	TVD Reference: WELL @ 8293.0ft (Original Well Elev)	WELL @ 8293.0ft (Original Well Elev)
Reference Site: H04 596 Pad	MD Reference: WELL @ 8293.0ft (Original Well Elev)	WELL @ 8293.0ft (Original Well Elev)
Site Error: 0.0ft	North Reference: True	True
Reference Well: UWF12A-03 H04 596	Survey Calculation Method: Minimum Curvature	Minimum Curvature
Well Error: 0.0ft	Output errors are at 2.00 sigma	2.00 sigma
Reference Wellbore DD	Database: USA EDM 5000 Multi Users DB	USA EDM 5000 Multi Users DB
Reference Design: Plan #2	Offset TVD Reference: Offset Datum	Offset Datum

Reference Depths are relative to WELL @ 8293.0ft (Original Well Elev) Coordinates are relative to: UWF12A-03 H04 596
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Central Zone
 Central Meridian is 105° 30' 0.00 W ° Grid Convergence at Surface is: -1.68°



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