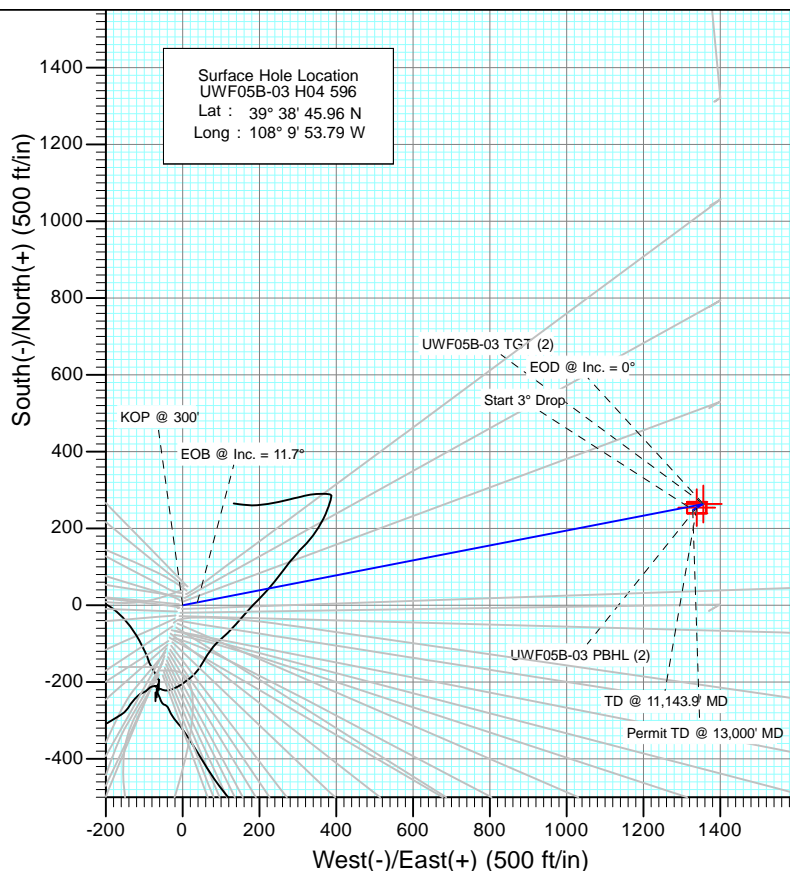


SECTION DETAILS

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	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	689.9	11.70	78.98	687.2	7.6	38.9	3.00	78.98	39.7	
4	7112.9	11.70	78.98	6976.8	256.4	1317.2	0.00	0.00	1341.9	
5	7502.8	0.00	0.00	7364.0	264.0	1356.1	3.00	180.00	1381.5	UWF05B-03 TGT (2)
6	8786.0	0.38	239.50	8647.2	261.9	1352.5	0.03	239.50	1377.6	
7	11143.9	0.38	239.50	11005.0	254.0	1339.1	0.00	0.00	1363.0	UWF05B-03 PBHL (2)
8	13000.0	0.38	239.50	12861.1	247.8	1328.7	0.00	0.00	1351.6	



Azimuths to True North
Magnetic North: 10.34°

Magnetic Field
Strength: 52206.1snT
Dip Angle: 65.81°
Date: 4/18/2012
Model: IGRF2010

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1100.0	1111.5	A GROOVE
1258.0	1272.8	B GROOVE
1298.0	1313.7	B GROOVE BASE
2146.0	2179.6	GARDEN GULCH
3215.0	3271.3	WASATCH FM
5331.0	5432.2	WASATCH G
7364.0	7502.8	WILLIAMS FORK
11005.0	11143.9	ROLLINS
11237.0	11375.9	COZZETTE
11412.0	11550.9	CORCORAN
11705.0	11843.9	UPPER SEGO

Plan #2
UWF05B-03 H04 596
125XXX; SC
KBE @ 8293.0ft (Original Well Elev)
North American Datum 1983
Well UWF05B-03 H04 596, True North

Type	Target	Azimuth	Origin	Type	N/S	E/W	From
TD	No Target (Freehand)	79.43	Slot		0.0	0.0	0.0
Name	TVD	+N/-S	+E/-W	Latitude	Longitude		
UWF05B-03 TGT (2)	7364.0	264.0	1356.1	39° 38' 48.57 N	108° 9' 36.45 W		
UWF05B-03 PBHL (2)	11005.0	254.0	1339.1	39° 38' 48.47 N	108° 9' 36.67 W		

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF05B-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	UWF05B-03 H04 596					
Well Position	+N/-S	0.0 ft	Northing:	1,671,230.02 ft	Latitude:	39° 38' 45.96 N
	+E/-W	0.0 ft	Easting:	2,249,668.16 ft	Longitude:	108° 9' 53.79 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	8,260.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/18/2012	10.34	65.81	52,206

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	79.43

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	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
689.9	11.70	78.98	687.2	7.6	38.9	3.00	3.00	0.00	78.98	
7,112.9	11.70	78.98	6,976.8	256.4	1,317.2	0.00	0.00	0.00	0.00	
7,502.8	0.00	0.00	7,364.0	264.0	1,356.1	3.00	-3.00	0.00	180.00	UWF05B-03 TGT (2)
8,786.0	0.38	239.50	8,647.2	261.9	1,352.5	0.03	0.03	-9.39	239.50	
11,143.9	0.38	239.50	11,005.0	254.0	1,339.1	0.00	0.00	0.00	0.00	UWF05B-03 PBHL (2)
13,000.0	0.38	239.50	12,861.1	247.8	1,328.7	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 UWF05B-03 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF05B-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	KOP @ 300'
400.0	3.00	78.98	400.0	0.5	2.6	2.6	3.00	3.00	
500.0	6.00	78.98	499.6	2.0	10.3	10.5	3.00	3.00	
600.0	9.00	78.98	598.8	4.5	23.1	23.5	3.00	3.00	
689.9	11.70	78.98	687.2	7.6	38.9	39.7	3.00	3.00	EOB @ Inc. = 11.7°
700.0	11.70	78.98	697.1	8.0	40.9	41.7	0.00	0.00	
800.0	11.70	78.98	795.0	11.8	60.8	62.0	0.00	0.00	
900.0	11.70	78.98	892.9	15.7	80.7	82.3	0.00	0.00	
1,000.0	11.70	78.98	990.9	19.6	100.6	102.5	0.00	0.00	
1,100.0	11.70	78.98	1,088.8	23.5	120.5	122.8	0.00	0.00	
1,111.5	11.70	78.98	1,100.0	23.9	122.8	125.1	0.00	0.00	A GROOVE
1,200.0	11.70	78.98	1,186.7	27.3	140.4	143.1	0.00	0.00	
1,272.8	11.70	78.98	1,258.0	30.2	154.9	157.8	0.00	0.00	B GROOVE
1,300.0	11.70	78.98	1,284.6	31.2	160.3	163.4	0.00	0.00	
1,313.7	11.70	78.98	1,298.0	31.7	163.1	166.1	0.00	0.00	B GROOVE BASE
1,400.0	11.70	78.98	1,382.5	35.1	180.2	183.6	0.00	0.00	
1,500.0	11.70	78.98	1,480.5	39.0	200.1	203.9	0.00	0.00	
1,600.0	11.70	78.98	1,578.4	42.8	220.0	224.2	0.00	0.00	
1,700.0	11.70	78.98	1,676.3	46.7	240.0	244.4	0.00	0.00	
1,800.0	11.70	78.98	1,774.2	50.6	259.9	264.7	0.00	0.00	
1,900.0	11.70	78.98	1,872.2	54.5	279.8	285.0	0.00	0.00	
2,000.0	11.70	78.98	1,970.1	58.3	299.7	305.3	0.00	0.00	
2,100.0	11.70	78.98	2,068.0	62.2	319.6	325.5	0.00	0.00	
2,179.6	11.70	78.98	2,146.0	65.3	335.4	341.7	0.00	0.00	GARDEN GULCH
2,200.0	11.70	78.98	2,165.9	66.1	339.5	345.8	0.00	0.00	
2,300.0	11.70	78.98	2,263.9	70.0	359.4	366.1	0.00	0.00	
2,400.0	11.70	78.98	2,361.8	73.8	379.3	386.4	0.00	0.00	
2,500.0	11.70	78.98	2,459.7	77.7	399.2	406.6	0.00	0.00	
2,600.0	11.70	78.98	2,557.6	81.6	419.1	426.9	0.00	0.00	
2,700.0	11.70	78.98	2,655.6	85.5	439.0	447.2	0.00	0.00	
2,800.0	11.70	78.98	2,753.5	89.3	458.9	467.5	0.00	0.00	
2,900.0	11.70	78.98	2,851.4	93.2	478.8	487.7	0.00	0.00	
3,000.0	11.70	78.98	2,949.3	97.1	498.7	508.0	0.00	0.00	
3,100.0	11.70	78.98	3,047.2	101.0	518.6	528.3	0.00	0.00	
3,200.0	11.70	78.98	3,145.2	104.8	538.5	548.6	0.00	0.00	
3,271.3	11.70	78.98	3,215.0	107.6	552.7	563.0	0.00	0.00	WASATCH FM
3,300.0	11.70	78.98	3,243.1	108.7	558.4	568.8	0.00	0.00	
3,400.0	11.70	78.98	3,341.0	112.6	578.3	589.1	0.00	0.00	
3,500.0	11.70	78.98	3,438.9	116.4	598.2	609.4	0.00	0.00	
3,600.0	11.70	78.98	3,536.9	120.3	618.1	629.7	0.00	0.00	
3,700.0	11.70	78.98	3,634.8	124.2	638.0	649.9	0.00	0.00	
3,800.0	11.70	78.98	3,732.7	128.1	657.9	670.2	0.00	0.00	
3,900.0	11.70	78.98	3,830.6	131.9	677.8	690.5	0.00	0.00	
4,000.0	11.70	78.98	3,928.6	135.8	697.7	710.7	0.00	0.00	
4,100.0	11.70	78.98	4,026.5	139.7	717.6	731.0	0.00	0.00	
4,200.0	11.70	78.98	4,124.4	143.6	737.5	751.3	0.00	0.00	
4,300.0	11.70	78.98	4,222.3	147.4	757.4	771.6	0.00	0.00	
4,400.0	11.70	78.98	4,320.2	151.3	777.3	791.8	0.00	0.00	
4,500.0	11.70	78.98	4,418.2	155.2	797.2	812.1	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,600.0	11.70	78.98	4,516.1	159.1	817.1	832.4	0.00	0.00	
4,700.0	11.70	78.98	4,614.0	162.9	837.0	852.7	0.00	0.00	
4,800.0	11.70	78.98	4,711.9	166.8	856.9	872.9	0.00	0.00	
4,900.0	11.70	78.98	4,809.9	170.7	876.8	893.2	0.00	0.00	
5,000.0	11.70	78.98	4,907.8	174.6	896.7	913.5	0.00	0.00	
5,100.0	11.70	78.98	5,005.7	178.4	916.6	933.8	0.00	0.00	
5,200.0	11.70	78.98	5,103.6	182.3	936.5	954.0	0.00	0.00	
5,300.0	11.70	78.98	5,201.6	186.2	956.4	974.3	0.00	0.00	
5,400.0	11.70	78.98	5,299.5	190.1	976.3	994.6	0.00	0.00	
5,432.2	11.70	78.98	5,331.0	191.3	982.7	1,001.1	0.00	0.00	WASATCH G
5,500.0	11.70	78.98	5,397.4	193.9	996.2	1,014.9	0.00	0.00	
5,600.0	11.70	78.98	5,495.3	197.8	1,016.1	1,035.1	0.00	0.00	
5,700.0	11.70	78.98	5,593.2	201.7	1,036.0	1,055.4	0.00	0.00	
5,800.0	11.70	78.98	5,691.2	205.6	1,055.9	1,075.7	0.00	0.00	
5,900.0	11.70	78.98	5,789.1	209.4	1,075.8	1,096.0	0.00	0.00	
6,000.0	11.70	78.98	5,887.0	213.3	1,095.7	1,116.2	0.00	0.00	
6,100.0	11.70	78.98	5,984.9	217.2	1,115.6	1,136.5	0.00	0.00	
6,200.0	11.70	78.98	6,082.9	221.1	1,135.5	1,156.8	0.00	0.00	
6,300.0	11.70	78.98	6,180.8	224.9	1,155.4	1,177.0	0.00	0.00	
6,400.0	11.70	78.98	6,278.7	228.8	1,175.3	1,197.3	0.00	0.00	
6,500.0	11.70	78.98	6,376.6	232.7	1,195.2	1,217.6	0.00	0.00	
6,600.0	11.70	78.98	6,474.6	236.6	1,215.1	1,237.9	0.00	0.00	
6,700.0	11.70	78.98	6,572.5	240.4	1,235.0	1,258.1	0.00	0.00	
6,800.0	11.70	78.98	6,670.4	244.3	1,254.9	1,278.4	0.00	0.00	
6,900.0	11.70	78.98	6,768.3	248.2	1,274.8	1,298.7	0.00	0.00	
7,000.0	11.70	78.98	6,866.2	252.0	1,294.7	1,319.0	0.00	0.00	
7,100.0	11.70	78.98	6,964.2	255.9	1,314.6	1,339.2	0.00	0.00	
7,112.9	11.70	78.98	6,976.8	256.4	1,317.2	1,341.9	0.00	0.00	Start 3° Drop
7,200.0	9.08	78.98	7,062.5	259.4	1,332.6	1,357.6	3.00	-3.00	
7,300.0	6.08	78.98	7,161.6	261.9	1,345.5	1,370.8	3.00	-3.00	
7,400.0	3.08	78.98	7,261.2	263.5	1,353.4	1,378.7	3.00	-3.00	
7,502.8	0.00	0.00	7,364.0	264.0	1,356.1	1,381.5	3.00	-3.00	EOD @ Inc. = 0° - WILLIAMS FORK
7,600.0	0.03	239.50	7,461.2	264.0	1,356.1	1,381.5	0.03	0.03	
7,700.0	0.06	239.50	7,561.2	263.9	1,356.0	1,381.4	0.03	0.03	
7,800.0	0.09	239.50	7,661.2	263.9	1,355.9	1,381.3	0.03	0.03	
7,900.0	0.12	239.50	7,761.2	263.8	1,355.8	1,381.1	0.03	0.03	
8,000.0	0.15	239.50	7,861.2	263.7	1,355.6	1,380.9	0.03	0.03	
8,100.0	0.17	239.50	7,961.2	263.5	1,355.3	1,380.7	0.03	0.03	
8,200.0	0.20	239.50	8,061.2	263.4	1,355.0	1,380.3	0.03	0.03	
8,300.0	0.23	239.50	8,161.2	263.2	1,354.7	1,380.0	0.03	0.03	
8,400.0	0.26	239.50	8,261.2	263.0	1,354.3	1,379.6	0.03	0.03	
8,500.0	0.29	239.50	8,361.2	262.7	1,353.9	1,379.1	0.03	0.03	
8,600.0	0.32	239.50	8,461.2	262.4	1,353.4	1,378.6	0.03	0.03	
8,700.0	0.35	239.50	8,561.2	262.1	1,352.9	1,378.1	0.03	0.03	
8,786.0	0.38	239.50	8,647.2	261.9	1,352.5	1,377.6	0.03	0.03	
8,800.0	0.38	239.50	8,661.2	261.8	1,352.4	1,377.5	0.00	0.00	
8,900.0	0.38	239.50	8,761.2	261.5	1,351.8	1,376.9	0.00	0.00	
9,000.0	0.38	239.50	8,861.2	261.2	1,351.3	1,376.2	0.00	0.00	
9,100.0	0.38	239.50	8,961.2	260.8	1,350.7	1,375.6	0.00	0.00	
9,200.0	0.38	239.50	9,061.2	260.5	1,350.1	1,375.0	0.00	0.00	
9,300.0	0.38	239.50	9,161.2	260.2	1,349.6	1,374.4	0.00	0.00	
9,400.0	0.38	239.50	9,261.2	259.8	1,349.0	1,373.8	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
9,500.0	0.38	239.50	9,361.2	259.5	1,348.4	1,373.2	0.00	0.00	
9,600.0	0.38	239.50	9,461.2	259.2	1,347.9	1,372.5	0.00	0.00	
9,700.0	0.38	239.50	9,561.2	258.8	1,347.3	1,371.9	0.00	0.00	
9,800.0	0.38	239.50	9,661.2	258.5	1,346.7	1,371.3	0.00	0.00	
9,900.0	0.38	239.50	9,761.2	258.2	1,346.2	1,370.7	0.00	0.00	
10,000.0	0.38	239.50	9,861.2	257.8	1,345.6	1,370.1	0.00	0.00	
10,100.0	0.38	239.50	9,961.2	257.5	1,345.0	1,369.5	0.00	0.00	
10,200.0	0.38	239.50	10,061.2	257.2	1,344.5	1,368.8	0.00	0.00	
10,300.0	0.38	239.50	10,161.2	256.8	1,343.9	1,368.2	0.00	0.00	
10,400.0	0.38	239.50	10,261.2	256.5	1,343.4	1,367.6	0.00	0.00	
10,500.0	0.38	239.50	10,361.2	256.2	1,342.8	1,367.0	0.00	0.00	
10,600.0	0.38	239.50	10,461.1	255.8	1,342.2	1,366.4	0.00	0.00	
10,700.0	0.38	239.50	10,561.1	255.5	1,341.7	1,365.8	0.00	0.00	
10,800.0	0.38	239.50	10,661.1	255.2	1,341.1	1,365.1	0.00	0.00	
10,900.0	0.38	239.50	10,761.1	254.8	1,340.5	1,364.5	0.00	0.00	
11,000.0	0.38	239.50	10,861.1	254.5	1,340.0	1,363.9	0.00	0.00	
11,100.0	0.38	239.50	10,961.1	254.2	1,339.4	1,363.3	0.00	0.00	
11,143.9	0.38	239.50	11,005.0	254.0	1,339.1	1,363.0	0.00	0.00	TD @ 11,143.9' MD - ROLLINS
11,200.0	0.38	239.50	11,061.1	253.8	1,338.8	1,362.7	0.00	0.00	
11,300.0	0.38	239.50	11,161.1	253.5	1,338.3	1,362.1	0.00	0.00	
11,375.9	0.38	239.50	11,237.0	253.2	1,337.8	1,361.6	0.00	0.00	COZZETTE
11,400.0	0.38	239.50	11,261.1	253.2	1,337.7	1,361.4	0.00	0.00	
11,500.0	0.38	239.50	11,361.1	252.8	1,337.1	1,360.8	0.00	0.00	
11,550.9	0.38	239.50	11,412.0	252.7	1,336.8	1,360.5	0.00	0.00	CORCORAN
11,600.0	0.38	239.50	11,461.1	252.5	1,336.6	1,360.2	0.00	0.00	
11,700.0	0.38	239.50	11,561.1	252.2	1,336.0	1,359.6	0.00	0.00	
11,800.0	0.38	239.50	11,661.1	251.8	1,335.4	1,359.0	0.00	0.00	
11,843.9	0.38	239.50	11,705.0	251.7	1,335.2	1,358.7	0.00	0.00	UPPER SEGO
11,900.0	0.38	239.50	11,761.1	251.5	1,334.9	1,358.4	0.00	0.00	
12,000.0	0.38	239.50	11,861.1	251.2	1,334.3	1,357.7	0.00	0.00	
12,100.0	0.38	239.50	11,961.1	250.8	1,333.7	1,357.1	0.00	0.00	
12,200.0	0.38	239.50	12,061.1	250.5	1,333.2	1,356.5	0.00	0.00	
12,300.0	0.38	239.50	12,161.1	250.2	1,332.6	1,355.9	0.00	0.00	
12,400.0	0.38	239.50	12,261.1	249.8	1,332.0	1,355.3	0.00	0.00	
12,500.0	0.38	239.50	12,361.1	249.5	1,331.5	1,354.7	0.00	0.00	
12,600.0	0.38	239.50	12,461.1	249.2	1,330.9	1,354.0	0.00	0.00	
12,700.0	0.38	239.50	12,561.1	248.8	1,330.4	1,353.4	0.00	0.00	
12,800.0	0.38	239.50	12,661.1	248.5	1,329.8	1,352.8	0.00	0.00	
12,900.0	0.38	239.50	12,761.1	248.2	1,329.2	1,352.2	0.00	0.00	
13,000.0	0.38	239.50	12,861.1	247.8	1,328.7	1,351.6	0.00	0.00	Permit TD @ 13,000' MD

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
UWF05B-03 PBHL	0.00	0.00	11,005.0	256.0	1,382.2	1,671,445.41	2,251,057.25	39° 38' 48.49 N	108° 9' 36.12 W
- plan misses target center by 43.1ft at 11143.6ft MD (11004.8 TVD, 254.0 N, 1339.1 E)									
- Rectangle (sides W30.0 H50.0 D0.0)									
UWF05B-03 PBHL (2)	0.00	0.00	11,005.0	254.0	1,339.1	1,671,444.65	2,251,014.18	39° 38' 48.47 N	108° 9' 36.67 W
- plan hits target center									
- Rectangle (sides W30.0 H50.0 D0.0)									
UWF05B-03 TGT (2)	0.00	0.00	7,364.0	264.0	1,356.1	1,671,454.13	2,251,031.42	39° 38' 48.57 N	108° 9' 36.45 W
- plan hits target center									
- Point									
UWF05B-03 TGT	0.00	0.00	7,364.0	266.0	1,399.2	1,671,454.87	2,251,074.56	39° 38' 48.59 N	108° 9' 35.90 W
- plan misses target center by 43.1ft at 7502.8ft MD (7364.0 TVD, 264.0 N, 1356.1 E)									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,111.5	1,100.0	A GROOVE				
1,272.8	1,258.0	B GROOVE				
1,313.7	1,298.0	B GROOVE BASE				
2,179.6	2,146.0	GARDEN GULCH				
3,271.3	3,215.0	WASATCH FM				
5,432.2	5,331.0	WASATCH G				
7,502.8	7,364.0	WILLIAMS FORK				
11,143.9	11,005.0	ROLLINS				
11,375.9	11,237.0	COZZETTE				
11,550.9	11,412.0	CORCORAN				
11,843.9	11,705.0	UPPER SEGO				

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
300.0	300.0	0.0	0.0	KOP @ 300'
689.9	687.2	7.6	38.9	EOB @ Inc. = 11.7°
7,112.9	6,976.8	256.4	1,317.2	Start 3° Drop
7,502.8	7,364.0	264.0	1,356.1	EOD @ Inc. = 0°
11,143.9	11,005.0	254.0	1,339.1	TD @ 11,143.9' MD
13,000.0	12,861.1	247.8	1,328.7	Permit TD @ 13,000' MD

EnCana Oil & Gas (USA) Inc

North Piceance

H04 596 Pad

UWF05B-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 UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

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

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
			Between Centres (ft)	Between Ellipses (ft)		
H04 596 Pad						
CP01B-04 H04 ST1 - Existing - Existing	416.0	452.0	203.0	201.6	140.602	CC, ES
CP01B-04 H04 ST1 - Existing - Existing	1,600.0	1,611.3	358.6	352.3	57.057	SF
CP05B-03 H04 - Existing - Existing	311.3	321.6	226.0	225.0	220.846	CC, ES
CP05B-03 H04 - Existing - Existing	3,800.0	3,811.3	496.7	483.0	36.249	SF
CP08D-04 H04 - Existing - Existing	313.3	323.8	216.8	215.7	211.489	CC, ES
CP08D-04 H04 - Existing - Existing	2,200.0	2,175.3	494.1	485.8	59.742	SF
CP12D-03 H04 - Existing - Existing	100.0	108.0	237.7	237.4	862.974	CC, ES
CP12D-03 H04 - Existing - Existing	2,000.0	1,970.6	482.2	473.3	54.424	SF
UWF02A-09 H04 596 - DD - Plan #1	133.7	133.7	170.2	169.8	484.399	CC
UWF02A-09 H04 596 - DD - Plan #1	200.0	198.6	170.4	169.8	293.466	ES
UWF02A-09 H04 596 - DD - Plan #1	700.0	658.4	239.4	236.6	85.898	SF
UWF02B-09 H04 596 - DD - Plan #1	300.0	300.0	179.6	178.6	192.673	CC, ES
UWF02B-09 H04 596 - DD - Plan #1	1,400.0	1,352.9	294.5	288.2	46.746	SF
UWF02C-04 H04 596 - DD - Plan #1	300.0	300.0	50.4	49.4	54.029	CC
UWF02C-04 H04 596 - DD - Plan #1	304.1	304.0	50.4	49.4	53.200	ES
UWF02C-04 H04 596 - DD - Plan #1	600.0	590.6	65.6	63.5	30.906	SF
UWF02D-04 H04 596 - DD - Plan #1	200.0	200.0	50.7	50.2	87.038	CC, ES
UWF02D-04 H04 596 - DD - Plan #1	500.0	491.9	67.5	65.8	39.603	SF
UWF02E-04 H04 596 - DD - Plan #1	412.5	412.3	31.1	29.8	23.291	CC, ES
UWF02E-04 H04 596 - DD - Plan #1	500.0	498.7	33.1	31.4	19.780	SF
UWF04A-10 H04 596 - DD - Plan #1	233.4	233.4	169.3	168.6	242.063	CC, ES
UWF04A-10 H04 596 - DD - Plan #1	1,400.0	1,232.5	484.9	477.6	65.915	SF
UWF04B-04 H04 596 - DD - Plan #1	477.7	476.7	37.8	36.2	23.799	CC, ES
UWF04B-04 H04 596 - DD - Plan #1	600.0	595.1	44.7	42.6	21.176	SF
UWF04B-10 H04 596 - DD - Plan #1	200.0	200.0	179.7	179.1	308.249	CC, ES
UWF04B-10 H04 596 - DD - Plan #1	1,300.0	1,139.9	470.3	463.7	70.716	SF
UWF04C-04 H04 596 - DD - Plan #1	371.3	371.9	38.7	37.4	30.417	CC, ES
UWF04C-04 H04 596 - DD - Plan #1	500.0	496.8	48.1	46.2	26.107	SF
UWF04C-10 H04 596 - DD - Plan #1	133.4	133.4	189.3	189.0	540.300	CC, ES
UWF04C-10 H04 596 - DD - Plan #1	1,200.0	1,048.1	454.9	448.9	76.289	SF
UWF04D-03 H04 596 - DD - Plan #1	200.0	200.0	30.6	30.0	52.449	CC, ES
UWF04D-03 H04 596 - DD - Plan #1	4,700.0	4,665.6	497.5	464.0	14.846	SF
UWF04D-10 H04 596 - DD - Plan #1	133.3	133.3	190.2	189.8	542.964	CC, ES
UWF04D-10 H04 596 - DD - Plan #1	1,100.0	952.0	460.6	456.5	112.298	SF
UWF04E-03 H04 596 - DD - Plan #1	300.0	300.0	20.0	19.1	21.448	CC, ES
UWF04E-03 H04 596 - DD - Plan #1	6,900.0	6,878.7	497.1	446.4	9.807	SF
UWF04E-04 H04 596 - DD - Plan #1	300.0	300.0	22.6	21.7	24.250	CC, ES
UWF04E-04 H04 596 - DD - Plan #1	400.0	399.4	23.9	22.6	18.544	SF
UWF05A-03 H04 596 - DD - Plan #1	200.0	200.0	10.6	10.0	18.168	CC, ES
UWF05A-03 H04 596 - DD - Plan #1	12,963.0	12,984.3	269.0	205.1	4.208	SF
UWF05A-04 H04 596 - DD - Plan #1	300.0	300.0	9.9	8.9	10.584	CC, ES, SF
UWF05C-03 H04 596 - DD - Plan #1	300.0	300.0	20.0	19.1	21.448	CC, ES
UWF05C-03 H04 596 - DD - Plan #1	13,000.0	13,000.0	266.1	199.9	4.021	SF
UWF05D-03 H04 596 - DD - Plan #1	300.0	300.0	40.0	39.0	42.895	CC, ES
UWF05D-03 H04 596 - DD - Plan #1	6,900.0	6,884.5	499.1	446.8	9.544	SF
UWF05E-03 H04 596 - DD - Plan #1	200.0	200.0	49.4	48.8	84.709	CC
UWF05E-03 H04 596 - DD - Plan #1	300.0	299.7	49.6	48.7	53.286	ES
UWF05E-03 H04 596 - DD - Plan #1	3,900.0	3,868.6	487.8	459.6	17.333	SF
UWF06B-04 H04 596 - DD - Plan #1	200.0	200.0	22.0	21.4	37.700	CC, ES
UWF06B-04 H04 596 - DD - Plan #1	400.0	397.5	32.2	30.9	24.914	SF
UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2	200.0	200.0	40.8	40.3	70.075	CC, ES
UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2	400.0	395.6	51.5	50.2	39.975	SF
UWF07A-04 H04 596 - DD - Plan #1	300.0	300.0	14.0	13.1	15.059	CC, ES

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
			Between Centres (ft)	Between Ellipses (ft)		
H04 596 Pad						
UWF07A-04 H04 596 - DD - Plan #1	400.0	400.0	15.1	13.8	11.740	SF
UWF07B-03 H04 596 - DD - Plan #1	300.5	300.6	9.0	8.1	9.565	CC, ES
UWF07B-03 H04 596 - DD - Plan #1	400.0	399.8	10.8	9.5	8.109	SF
UWF07B-04 H04 596 - DD - Plan #2	300.0	300.0	14.4	13.4	15.430	CC, ES
UWF07B-04 H04 596 - DD - Plan #2	500.0	500.0	20.1	18.5	12.331	SF
UWF07C-03 H04 596 - DD - Plan #1	338.8	339.1	28.7	27.6	26.166	CC, ES
UWF07C-03 H04 596 - DD - Plan #1	800.0	796.6	49.5	45.6	12.663	SF
UWF07C-04 H04 596 - DD - Plan #1	300.0	300.0	31.9	30.9	34.200	CC, ES
UWF07C-04 H04 596 - DD - Plan #1	400.0	398.7	35.6	34.3	27.707	SF
UWF07E-03 H04 596 - DD - Plan #1	300.0	300.0	50.9	49.9	54.590	CC, ES
UWF07E-03 H04 596 - DD - Plan #1	1,300.0	1,305.8	71.4	63.2	8.685	SF
UWF10A-03 H04 596 - DD - Plan #1	309.5	309.7	69.2	68.2	70.671	CC, ES
UWF10A-03 H04 596 - DD - Plan #1	1,000.0	987.0	125.7	119.9	21.483	SF
UWF10A-04 H04 596 - DD - Plan #1	200.0	200.0	60.4	59.9	103.677	CC, ES
UWF10A-04 H04 596 - DD - Plan #1	500.0	488.1	88.3	86.7	53.737	SF
UWF10B-03 H04 596 - DD - Plan #1	300.0	300.0	70.6	69.7	75.775	CC, ES
UWF10B-03 H04 596 - DD - Plan #1	1,600.0	1,600.0	173.9	163.3	16.408	SF
UWF10C-03 H04 596 - DD - Plan #1	305.7	306.0	79.4	78.4	80.666	CC, ES
UWF10C-03 H04 596 - DD - Plan #1	1,000.0	976.5	152.3	146.4	25.892	SF
UWF10C-04 H04 596 - DD - Plan #1	233.4	233.4	100.1	99.4	143.102	CC, ES
UWF10C-04 H04 596 - DD - Plan #1	700.0	680.5	153.1	150.7	63.077	SF
UWF10E-04 H04 596 - DD - Plan #1	300.0	300.0	110.4	109.4	118.429	CC, ES
UWF10E-04 H04 596 - DD - Plan #1	600.0	579.4	145.3	143.3	71.591	SF
UWF12A-03 H04 596 - DD - Plan #2	300.0	300.0	60.0	59.0	64.352	CC, ES
UWF12A-03 H04 596 - DD - Plan #2	3,200.0	3,162.5	488.4	466.3	22.111	SF
UWF12B-03 H04 596 - DD - Plan #1	300.0	300.0	80.2	79.3	86.078	CC, ES
UWF12B-03 H04 596 - DD - Plan #1	2,600.0	2,553.4	480.0	462.4	27.249	SF
UWF12C-03 H04 596 - DD - Plan #1	300.0	300.0	99.7	98.8	107.020	CC, ES
UWF12C-03 H04 596 - DD - Plan #1	2,300.0	2,237.8	494.5	479.5	32.827	SF
UWF12E-03 H04 596 - DD - Plan #1	300.0	300.0	109.4	108.4	117.334	CC, ES
UWF12E-03 H04 596 - DD - Plan #1	2,000.0	1,914.8	482.6	470.4	39.542	SF
UWF13A-03 H04 596 - DD - Plan #1	300.0	300.0	119.7	118.8	128.472	CC, ES
UWF13A-03 H04 596 - DD - Plan #1	1,800.0	1,703.2	465.2	454.6	43.901	SF
UWF13B-03 H04 596 - DD - Plan #2	300.0	300.0	129.3	128.4	138.777	CC, ES
UWF13B-03 H04 596 - DD - Plan #2	1,700.0	1,586.8	471.5	461.7	48.213	SF
UWF13C-03 H04 596 - DD - Plan #2	300.0	300.0	139.7	138.8	149.910	CC, ES
UWF13C-03 H04 596 - DD - Plan #2	1,600.0	1,470.0	473.1	464.2	52.949	SF
UWF13D-03 H04 596 - DD - Plan #1	300.0	300.0	149.3	148.4	160.229	CC, ES
UWF13D-03 H04 596 - DD - Plan #1	1,400.0	1,271.4	420.3	413.0	56.979	SF
UWF13E-03 H04 596 - DD - Plan #1	300.0	300.0	159.7	158.8	171.357	CC, ES
UWF13E-03 H04 596 - DD - Plan #1	1,400.0	1,252.0	452.7	445.4	61.394	SF
UWF14C-04 H04 596 (was 15C-04) - DD - Plan #2	300.0	300.0	139.7	138.7	149.857	CC, ES
UWF14C-04 H04 596 (was 15C-04) - DD - Plan #2	800.0	766.2	202.8	199.9	70.154	SF
UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2	300.0	300.0	89.4	88.4	95.891	CC, ES
UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2	1,200.0	1,170.3	192.5	185.2	26.398	SF
UWF15A-04 H04 596 - DD - Plan #1	300.0	300.0	120.0	119.1	128.752	CC, ES
UWF15A-04 H04 596 - DD - Plan #1	700.0	682.6	155.6	153.2	63.304	SF
UWF15B-03 H04 596 (was 10E-03) - DD - Plan #2	300.0	300.0	90.5	89.5	97.080	CC, ES
UWF15B-03 H04 596 (was 10E-03) - DD - Plan #2	1,300.0	1,264.4	230.4	222.4	28.777	SF
UWF15B-04 H04 596 - DD - Plan #1	300.0	300.0	130.3	129.4	139.807	CC, ES
UWF15B-04 H04 596 - DD - Plan #1	700.0	662.9	193.6	191.1	79.582	SF
UWF15D-04 H04 596 - DD - Plan #1	300.0	300.0	150.3	149.3	161.229	CC, ES
UWF15D-04 H04 596 - DD - Plan #1	800.0	761.8	217.0	214.1	75.137	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 UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-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						
UWF15E-04 H04 596 - DD - Plan #1	133.3	133.3	159.6	159.3	455.742	CC, ES
UWF15E-04 H04 596 - DD - Plan #1	800.0	717.3	294.4	291.6	104.475	SF
S33-T4S-R96W (E34 496)						
UWF03B-03 E34 596 - DD - Plan #1						Out of range
UWF03C-03 E34 596 - DD - Plan #1						Out of range

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - CP01B-04 H04 ST1 - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 17-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	37.0	4.3	0.0	0.0	-162.50	-195.0	-61.5	204.6					
100.0	100.0	128.6	95.9	0.1	0.2	-162.73	-195.6	-60.8	204.9	204.5	0.31	656.988		
200.0	200.0	229.9	197.2	0.3	0.4	-162.66	-195.9	-61.2	205.2	204.5	0.66	309.406		
300.0	300.0	333.2	300.5	0.5	0.6	-162.26	-194.6	-62.2	204.3	203.3	1.02	200.597		
400.0	400.0	436.0	403.2	0.6	0.7	120.28	-191.1	-64.2	203.0	201.7	1.38	146.888		
416.0	415.9	452.0	419.2	0.7	0.8	120.65	-190.5	-64.6	203.0	201.6	1.44	140.602 CC, ES		
500.0	499.6	537.1	504.2	0.9	0.9	123.13	-186.8	-66.3	203.9	202.1	1.77	115.250		
600.0	598.8	637.8	604.6	1.1	1.1	127.54	-180.8	-69.5	207.4	205.2	2.20	94.391		
700.0	697.1	735.0	701.6	1.5	1.3	132.60	-174.6	-72.6	215.1	212.5	2.65	81.183		
800.0	795.0	833.0	799.3	1.8	1.5	138.01	-168.2	-76.5	226.6	223.5	3.10	73.090		
900.0	892.9	931.0	896.9	2.2	1.8	143.15	-160.5	-80.8	239.2	235.6	3.54	67.541		
1,000.0	990.9	1,030.3	995.7	2.6	2.0	148.02	-151.9	-85.5	253.2	249.2	3.95	64.027		
1,100.0	1,088.8	1,128.0	1,093.1	3.0	2.2	151.99	-143.9	-88.4	267.8	263.4	4.35	61.580		
1,200.0	1,186.7	1,227.0	1,191.6	3.4	2.5	155.77	-134.9	-91.8	283.4	278.6	4.75	59.702		
1,300.0	1,284.6	1,321.3	1,285.2	3.8	2.7	159.35	-124.8	-96.0	300.1	295.0	5.13	58.479		
1,400.0	1,382.5	1,418.1	1,381.3	4.2	3.0	162.70	-114.5	-101.0	318.6	313.0	5.51	57.806		
1,500.0	1,480.5	1,512.5	1,475.1	4.6	3.2	165.60	-104.5	-106.0	338.1	332.2	5.89	57.392		
1,600.0	1,578.4	1,611.3	1,573.1	5.0	3.5	168.46	-93.3	-111.7	358.6	352.3	6.29	57.057 SF		
1,700.0	1,676.3	1,701.8	1,662.9	5.4	3.7	170.79	-83.2	-117.2	380.2	373.5	6.66	57.123		
1,800.0	1,774.2	1,801.6	1,762.0	5.8	4.0	172.91	-73.4	-123.4	402.9	395.9	7.04	57.225		
1,900.0	1,872.2	1,891.6	1,851.4	6.2	4.2	174.61	-64.7	-129.0	426.1	418.7	7.42	57.438		
2,000.0	1,970.1	1,983.1	1,942.1	6.6	4.5	176.35	-54.8	-136.3	451.1	443.3	7.82	57.704		
2,100.0	2,068.0	2,076.7	2,034.6	7.0	4.8	178.08	-44.0	-144.9	477.4	469.2	8.22	58.057		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - CP05B-03 H04 - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 17-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	37.0	24.3	0.0	0.0	-162.76	-216.7	-67.3	228.6					
100.0	100.0	110.6	97.9	0.1	0.2	-162.80	-216.7	-67.1	226.8	226.5	0.28	810.207		
200.0	200.0	210.5	197.9	0.3	0.3	-162.90	-216.4	-66.6	226.4	225.8	0.63	359.827		
300.0	300.0	310.2	297.5	0.5	0.5	-163.48	-216.7	-64.3	226.0	225.1	0.98	231.023		
311.3	311.3	321.6	308.9	0.5	0.5	117.44	-216.8	-63.9	226.0	225.0	1.02	220.846 CC, ES		
400.0	400.0	411.9	399.1	0.6	0.7	117.06	-217.3	-60.1	226.6	225.3	1.35	167.815		
500.0	499.6	508.1	495.2	0.9	0.9	117.58	-218.4	-56.0	230.2	228.4	1.74	132.591		
600.0	598.8	609.2	596.2	1.1	1.1	119.11	-219.9	-51.5	236.5	234.3	2.18	108.630		
700.0	697.1	708.8	695.6	1.5	1.3	121.45	-221.5	-46.7	245.7	243.0	2.67	92.151		
800.0	795.0	811.0	797.7	1.8	1.5	124.27	-221.8	-41.2	255.0	251.8	3.16	80.592		
900.0	892.9	911.7	898.3	2.2	1.7	126.87	-221.8	-35.8	264.7	261.0	3.65	72.523		
1,000.0	990.9	1,012.4	998.8	2.6	1.9	129.56	-219.8	-30.8	273.3	269.2	4.11	66.425		
1,100.0	1,088.8	1,116.6	1,102.8	3.0	2.1	132.08	-217.7	-25.1	282.2	277.7	4.58	61.633		
1,200.0	1,186.7	1,221.0	1,206.9	3.4	2.3	134.18	-213.9	-16.7	288.9	283.8	5.04	57.331		
1,300.0	1,284.6	1,320.6	1,306.0	3.8	2.5	136.10	-209.6	-8.4	295.1	289.6	5.47	53.898		
1,400.0	1,382.5	1,422.3	1,407.3	4.2	2.8	138.16	-204.5	-0.4	301.4	295.5	5.89	51.206		
1,500.0	1,480.5	1,524.0	1,508.4	4.6	3.0	140.21	-198.5	7.7	307.2	300.9	6.28	48.913		
1,600.0	1,578.4	1,628.3	1,612.1	5.0	3.2	142.21	-191.3	17.1	312.0	305.4	6.66	46.836		
1,700.0	1,676.3	1,726.1	1,709.2	5.4	3.5	144.11	-183.9	25.8	316.8	309.7	7.02	45.150		
1,800.0	1,774.2	1,823.2	1,805.7	5.8	3.7	146.13	-176.2	33.3	322.5	315.1	7.34	43.927		
1,900.0	1,872.2	1,920.5	1,902.6	6.2	3.9	148.20	-168.6	39.8	329.3	321.7	7.65	43.056		
2,000.0	1,970.1	2,019.0	2,000.5	6.6	4.2	150.29	-160.4	46.1	336.5	328.6	7.94	42.368		
2,100.0	2,068.0	2,112.2	2,093.2	7.0	4.4	152.29	-153.0	50.7	345.5	337.3	8.22	42.028		
2,200.0	2,165.9	2,207.1	2,187.9	7.4	4.6	154.25	-146.1	54.3	356.3	347.8	8.50	41.924		
2,300.0	2,263.9	2,311.8	2,292.2	7.8	4.8	156.27	-138.1	58.9	366.8	358.0	8.78	41.761		
2,400.0	2,361.8	2,409.6	2,389.6	8.2	5.0	157.98	-130.9	63.6	377.5	368.4	9.07	41.619		
2,500.0	2,459.7	2,514.3	2,493.7	8.6	5.3	159.74	-122.5	69.5	387.4	378.1	9.36	41.372		
2,600.0	2,557.6	2,616.5	2,595.4	9.0	5.5	161.40	-113.7	75.9	397.0	387.3	9.66	41.090		
2,700.0	2,655.6	2,721.2	2,699.3	9.4	5.8	163.00	-104.1	83.7	405.4	395.4	9.96	40.681		
2,800.0	2,753.5	2,823.5	2,800.8	9.8	6.1	164.40	-94.8	92.6	413.0	402.8	10.28	40.197		
2,900.0	2,851.4	2,928.2	2,904.6	10.2	6.4	165.69	-85.5	102.8	420.0	409.4	10.60	39.635		
3,000.0	2,949.3	3,030.6	3,005.9	10.6	6.7	166.97	-75.6	113.7	426.0	415.1	10.92	39.008		
3,100.0	3,047.2	3,127.7	3,101.9	11.0	7.0	168.23	-65.5	123.9	432.2	421.0	11.24	38.444		
3,200.0	3,145.2	3,225.8	3,199.1	11.4	7.3	169.51	-55.2	133.6	439.1	427.5	11.57	37.939		
3,300.0	3,243.1	3,323.1	3,295.4	11.8	7.5	170.75	-45.1	142.9	446.5	434.5	11.91	37.492		
3,400.0	3,341.0	3,417.5	3,388.9	12.2	7.8	171.88	-35.7	151.4	454.8	442.5	12.25	37.126		
3,500.0	3,438.9	3,513.1	3,483.7	12.6	8.1	172.95	-26.8	159.1	464.3	451.7	12.60	36.855		
3,600.0	3,536.9	3,607.7	3,577.8	13.0	8.3	173.89	-18.8	166.3	474.7	461.8	12.95	36.659		
3,700.0	3,634.8	3,705.4	3,675.0	13.4	8.5	174.78	-11.0	173.2	486.0	472.7	13.31	36.504		
3,800.0	3,732.7	3,811.3	3,780.1	13.8	8.8	175.74	-2.2	181.2	496.7	483.0	13.70	36.249 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - CP08D-04 H04 - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 17-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance					Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis			
0.0	0.0	37.0	24.3	0.0	0.0	-162.64	-207.5	-64.9	219.2					
100.0	100.0	110.0	97.3	0.1	0.2	-162.62	-207.3	-64.9	217.2	217.0	0.28	778.540		
200.0	200.0	210.2	197.5	0.3	0.3	-162.58	-207.1	-65.0	217.1	216.4	0.63	345.185		
300.0	300.0	310.4	297.7	0.5	0.5	-162.59	-206.8	-64.9	216.8	215.8	0.98	221.523		
313.3	313.3	323.8	311.0	0.5	0.5	118.43	-206.8	-64.8	216.8	215.7	1.02	211.489 CC, ES		
400.0	400.0	410.6	397.8	0.6	0.7	118.95	-206.6	-64.5	217.7	216.3	1.33	163.345		
500.0	499.6	510.4	497.7	0.9	0.9	120.53	-206.3	-64.0	221.1	219.4	1.71	129.299		
600.0	598.8	608.9	596.2	1.1	1.0	123.14	-206.0	-63.8	227.7	225.6	2.12	107.234		
700.0	697.1	706.8	694.0	1.5	1.2	126.46	-206.1	-63.5	238.2	235.6	2.57	92.514		
800.0	795.0	805.0	792.3	1.8	1.4	130.19	-205.9	-63.7	250.9	247.8	3.02	82.999		
900.0	892.9	903.1	890.4	2.2	1.5	133.50	-205.8	-63.5	264.3	260.9	3.46	76.411		
1,000.0	990.9	1,001.1	988.4	2.6	1.7	136.54	-205.6	-63.6	278.7	274.8	3.88	71.812		
1,100.0	1,088.8	1,097.4	1,084.7	3.0	1.9	139.12	-205.7	-63.2	293.7	289.4	4.29	68.465		
1,200.0	1,186.7	1,193.1	1,180.3	3.4	2.1	141.44	-206.6	-63.5	310.4	305.7	4.69	66.238		
1,300.0	1,284.6	1,289.9	1,277.1	3.8	2.2	143.48	-207.9	-63.7	327.7	322.6	5.08	64.561		
1,400.0	1,382.5	1,387.4	1,374.6	4.2	2.4	145.43	-209.2	-64.6	345.9	340.5	5.45	63.416		
1,500.0	1,480.5	1,484.9	1,472.1	4.6	2.6	147.20	-210.2	-65.4	364.1	358.3	5.83	62.508		
1,600.0	1,578.4	1,584.0	1,571.3	5.0	2.7	148.95	-210.7	-66.9	382.9	376.8	6.19	61.894		
1,700.0	1,676.3	1,681.8	1,669.0	5.4	2.9	150.49	-211.0	-67.7	401.4	394.8	6.54	61.341		
1,800.0	1,774.2	1,781.7	1,768.9	5.8	3.1	151.91	-211.5	-68.7	420.3	413.4	6.90	60.927		
1,900.0	1,872.2	1,881.0	1,868.2	6.2	3.3	153.18	-211.6	-68.9	438.6	431.3	7.25	60.500		
2,000.0	1,970.1	1,979.8	1,967.0	6.6	3.4	154.42	-211.1	-69.5	457.0	449.4	7.59	60.186		
2,100.0	2,068.0	2,078.6	2,065.8	7.0	3.6	155.60	-210.5	-70.2	475.7	467.8	7.93	59.967		
2,200.0	2,165.9	2,175.3	2,162.5	7.4	3.8	156.61	-209.9	-70.3	494.1	485.8	8.27	59.742 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-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
H04 596 Pad - CP12D-03 H04 - Existing - Existing												Offset Well Error:	0.0 ft
Survey Program: 17-MWD													
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	37.0	24.3	0.0	0.0	-162.78	-226.8	-70.3	239.2				
100.0	100.0	108.0	95.3	0.1	0.2	-162.98	-227.3	-69.6	237.7	237.4	0.28	862.974 CC, ES	
200.0	200.0	207.7	195.0	0.3	0.3	-163.32	-228.1	-68.3	238.1	237.5	0.62	381.381	
300.0	300.0	306.4	293.7	0.5	0.5	-163.83	-229.3	-66.5	238.7	237.8	0.97	245.781	
400.0	400.0	402.1	389.4	0.6	0.7	116.94	-231.7	-64.2	241.7	240.4	1.34	181.040	
500.0	499.6	501.1	488.2	0.9	0.9	117.61	-235.4	-61.8	248.2	246.5	1.72	144.250	
600.0	598.8	598.6	585.6	1.1	1.1	119.18	-239.4	-59.7	257.8	255.6	2.15	120.003	
700.0	697.1	696.1	683.1	1.5	1.3	121.57	-243.8	-58.1	270.7	268.1	2.62	103.227	
800.0	795.0	794.0	780.8	1.8	1.4	124.32	-248.5	-56.2	285.6	282.5	3.11	91.885	
900.0	892.9	894.1	880.8	2.2	1.6	126.83	-253.1	-54.1	300.9	297.3	3.60	83.680	
1,000.0	990.9	997.8	984.4	2.6	1.8	129.03	-257.0	-50.7	315.3	311.2	4.09	77.110	
1,100.0	1,088.8	1,101.8	1,088.1	3.0	2.0	130.92	-259.6	-45.6	328.3	323.7	4.58	71.670	
1,200.0	1,186.7	1,191.5	1,177.7	3.4	2.2	132.34	-262.4	-41.0	341.9	336.9	5.05	67.759	
1,300.0	1,284.6	1,283.9	1,269.9	3.8	2.4	133.68	-267.4	-37.4	358.4	352.9	5.51	65.055	
1,400.0	1,382.5	1,381.0	1,366.7	4.2	2.6	135.04	-273.1	-34.6	375.8	369.9	5.97	62.956	
1,500.0	1,480.5	1,478.4	1,464.0	4.6	2.8	136.25	-278.9	-31.6	393.6	387.1	6.43	61.184	
1,600.0	1,578.4	1,574.9	1,560.1	5.0	3.0	137.21	-285.5	-28.0	411.8	404.9	6.90	59.643	
1,700.0	1,676.3	1,676.5	1,661.4	5.4	3.3	137.94	-293.4	-23.1	430.2	422.8	7.40	58.151	
1,800.0	1,774.2	1,776.8	1,761.3	5.8	3.5	138.58	-300.4	-17.5	447.5	439.6	7.89	56.735	
1,900.0	1,872.2	1,876.5	1,860.5	6.2	3.7	139.16	-307.4	-11.9	464.8	456.4	8.38	55.483	
2,000.0	1,970.1	1,970.6	1,954.3	6.6	3.9	139.64	-314.1	-6.3	482.2	473.3	8.86	54.424 SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF02A-09 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft
Survey Program:													0-MWD		Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
0.0	0.0	0.0	0.0	0.0	0.0	-160.96	-160.9	-55.5	170.2								
100.0	100.0	100.0	100.0	0.1	0.1	-160.96	-160.9	-55.5	170.2	170.0	0.23	727.745					
133.7	133.7	133.7	133.7	0.2	0.2	-160.96	-160.9	-55.5	170.2	169.8	0.35	484.399	CC				
200.0	200.0	198.6	198.6	0.3	0.3	-160.76	-160.9	-56.2	170.4	169.8	0.58	293.466	ES				
300.0	300.0	295.5	295.3	0.5	0.5	-159.21	-160.9	-61.1	172.2	171.2	0.93	184.831					
400.0	400.0	391.3	390.6	0.6	0.7	125.29	-160.9	-70.8	177.5	176.2	1.36	130.950					
500.0	499.6	484.5	482.8	0.9	1.0	130.71	-160.9	-84.8	189.3	187.5	1.82	104.287					
600.0	598.8	573.9	570.5	1.1	1.4	137.01	-160.9	-102.4	209.5	207.2	2.31	90.885					
700.0	697.1	658.4	652.4	1.5	1.8	143.23	-160.9	-122.8	239.4	236.6	2.79	85.898	SF				
800.0	795.0	738.6	729.3	1.8	2.2	149.09	-160.9	-145.5	277.0	273.8	3.22	85.966					
900.0	892.9	815.2	801.8	2.2	2.7	153.88	-160.9	-170.2	320.1	316.5	3.62	88.526					
1,000.0	990.9	888.2	870.0	2.6	3.2	157.79	-160.9	-196.4	368.0	364.0	3.98	92.468					
1,100.0	1,088.8	957.7	933.8	3.0	3.8	160.98	-160.9	-223.8	420.2	415.9	4.32	97.200					
1,200.0	1,186.7	1,023.7	993.5	3.4	4.4	163.61	-160.9	-251.9	476.1	471.5	4.64	102.549					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF02B-09 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-161.20	-170.0	-57.9	179.6					
100.0	100.0	100.0	100.0	0.1	0.1	-161.20	-170.0	-57.9	179.6	179.3	0.23	767.814		
200.0	200.0	200.0	200.0	0.3	0.3	-161.20	-170.0	-57.9	179.6	179.0	0.58	308.046		
300.0	300.0	300.0	300.0	0.5	0.5	-161.20	-170.0	-57.9	179.6	178.6	0.93	192.673	CC, ES	
400.0	400.0	400.0	400.0	0.6	0.6	120.51	-170.0	-57.9	180.9	179.6	1.29	140.709		
500.0	499.6	499.6	499.6	0.9	0.8	122.49	-170.0	-57.9	185.0	183.3	1.66	111.417		
600.0	598.8	598.8	598.8	1.1	1.0	125.57	-170.0	-57.9	192.4	190.3	2.07	92.942		
700.0	697.1	702.3	702.2	1.5	1.2	129.03	-170.0	-55.1	202.3	199.8	2.52	80.128		
800.0	795.0	807.1	806.7	1.8	1.4	131.50	-170.0	-46.7	211.6	208.6	3.01	70.316		
900.0	892.9	913.0	911.6	2.2	1.6	132.49	-170.0	-32.3	218.2	214.7	3.54	61.628		
1,000.0	990.9	1,005.7	1,003.0	2.6	1.9	132.55	-171.2	-17.0	224.4	220.4	4.08	54.984		
1,100.0	1,088.8	1,094.4	1,090.7	3.0	2.1	132.55	-175.8	-4.3	235.2	230.6	4.63	50.799		
1,200.0	1,186.7	1,182.1	1,177.4	3.4	2.4	132.54	-183.9	6.1	250.5	245.3	5.18	48.319		
1,300.0	1,284.6	1,268.4	1,262.5	3.8	2.6	132.51	-195.3	14.4	270.3	264.6	5.74	47.075		
1,400.0	1,382.5	1,352.9	1,345.6	4.2	2.8	132.46	-209.6	20.5	294.5	288.2	6.30	46.746	SF	
1,500.0	1,480.5	1,435.5	1,426.2	4.6	3.1	132.41	-226.6	24.6	322.9	316.1	6.85	47.108		
1,600.0	1,578.4	1,515.8	1,504.1	5.0	3.4	132.36	-246.0	26.8	355.4	348.0	7.40	47.995		
1,700.0	1,676.3	1,600.0	1,585.1	5.4	3.7	132.30	-269.3	27.1	391.8	383.8	7.97	49.185		
1,800.0	1,774.2	1,669.1	1,650.8	5.8	4.0	132.25	-290.7	25.9	431.8	423.3	8.48	50.910		
1,900.0	1,872.2	1,741.8	1,719.1	6.2	4.3	132.20	-315.4	23.3	475.4	466.4	9.01	52.776		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF02C-04 H04 596 - DD - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	15.31	48.6	13.3	50.4				
100.0	100.0	100.0	100.0	0.1	0.1	15.31	48.6	13.3	50.4	50.1	0.23	215.309	
200.0	200.0	200.0	200.0	0.3	0.3	15.31	48.6	13.3	50.4	49.8	0.58	86.381	
300.0	300.0	300.0	300.0	0.5	0.5	15.31	48.6	13.3	50.4	49.4	0.93	54.029 CC	
304.1	304.1	304.0	304.0	0.5	0.5	-63.68	48.6	13.3	50.4	49.4	0.95	53.200 ES	
400.0	400.0	398.5	398.4	0.6	0.6	-68.75	50.4	11.5	50.7	49.4	1.29	39.358	
500.0	499.6	495.7	495.4	0.9	0.9	-82.80	55.7	6.3	54.0	52.4	1.69	32.058	
600.0	598.8	590.6	589.5	1.1	1.1	-100.44	64.3	-2.1	65.6	63.5	2.12	30.906 SF	
700.0	697.1	682.1	679.6	1.5	1.4	-115.04	75.8	-13.4	88.6	86.1	2.56	34.599	
800.0	795.0	770.3	765.6	1.8	1.8	-124.43	89.7	-27.0	121.0	118.1	2.98	40.685	
900.0	892.9	858.9	851.1	2.2	2.2	-129.78	106.2	-43.2	159.1	155.7	3.40	46.846	
1,000.0	990.9	950.3	939.2	2.6	2.6	-133.18	123.6	-60.2	198.4	194.6	3.83	51.766	
1,100.0	1,088.8	1,041.7	1,027.3	3.0	3.1	-135.46	141.0	-77.3	238.2	233.9	4.28	55.632	
1,200.0	1,186.7	1,133.1	1,115.3	3.4	3.5	-137.08	158.5	-94.3	278.2	273.5	4.74	58.711	
1,300.0	1,284.6	1,224.5	1,203.4	3.8	4.0	-138.30	175.9	-111.4	318.4	313.2	5.20	61.205	
1,400.0	1,382.5	1,315.9	1,291.5	4.2	4.4	-139.25	193.3	-128.4	358.6	352.9	5.67	63.256	
1,500.0	1,480.5	1,407.3	1,379.6	4.6	4.9	-140.01	210.7	-145.5	398.9	392.8	6.14	64.968	
1,600.0	1,578.4	1,498.7	1,467.7	5.0	5.3	-140.62	228.1	-162.5	439.3	432.6	6.61	66.416	
1,700.0	1,676.3	1,590.1	1,555.8	5.4	5.8	-141.14	245.5	-179.6	479.6	472.6	7.09	67.655	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-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		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	4.42	50.6	3.9	50.7					
100.0	100.0	100.0	100.0	0.1	0.1	4.42	50.6	3.9	50.7	50.5	0.23	216.945		
200.0	200.0	200.0	200.0	0.3	0.3	4.42	50.6	3.9	50.7	50.2	0.58	87.038 CC, ES		
300.0	300.0	298.4	298.4	0.5	0.5	2.13	52.2	1.9	52.2	51.3	0.93	56.122		
400.0	400.0	396.1	395.8	0.6	0.7	-85.30	56.9	-3.9	57.0	55.7	1.31	43.539		
500.0	499.6	491.9	490.7	0.9	1.0	-98.81	64.6	-13.4	67.5	65.8	1.71	39.603 SF		
600.0	598.8	584.5	581.9	1.1	1.3	-111.96	74.9	-26.0	87.5	85.4	2.11	41.469		
700.0	697.1	674.3	669.5	1.5	1.7	-122.05	87.5	-41.5	117.8	115.3	2.52	46.799		
800.0	795.0	766.4	759.0	1.8	2.1	-129.32	101.2	-58.3	153.2	150.2	2.92	52.444		
900.0	892.9	858.6	848.6	2.2	2.5	-133.89	114.8	-75.1	189.9	186.6	3.33	56.982		
1,000.0	990.9	950.7	938.1	2.6	2.9	-136.98	128.5	-91.9	227.4	223.6	3.75	60.568		
1,100.0	1,088.8	1,042.8	1,027.7	3.0	3.3	-139.20	142.2	-108.7	265.3	261.1	4.18	63.428		
1,200.0	1,186.7	1,134.9	1,117.2	3.4	3.7	-140.86	155.8	-125.5	303.4	298.8	4.61	65.744		
1,300.0	1,284.6	1,227.1	1,206.7	3.8	4.1	-142.16	169.5	-142.3	341.7	336.7	5.05	67.649		
1,400.0	1,382.5	1,319.2	1,296.3	4.2	4.5	-143.20	183.2	-159.1	380.1	374.7	5.49	69.240		
1,500.0	1,480.5	1,411.3	1,385.8	4.6	4.9	-144.04	196.9	-175.9	418.7	412.7	5.93	70.585		
1,600.0	1,578.4	1,503.4	1,475.4	5.0	5.3	-144.75	210.5	-192.7	457.2	450.9	6.37	71.737		
1,700.0	1,676.3	1,595.6	1,564.9	5.4	5.8	-145.34	224.2	-209.5	495.9	489.1	6.82	72.733		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF02E-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-2.86	31.4	-1.6	31.4					
100.0	100.0	100.0	100.0	0.1	0.1	-2.86	31.4	-1.6	31.4	31.2	0.23	134.284		
200.0	200.0	200.0	200.0	0.3	0.3	-2.86	31.4	-1.6	31.4	30.8	0.58	53.875		
300.0	300.0	300.0	300.0	0.5	0.5	-2.86	31.4	-1.6	31.4	30.5	0.93	33.697		
400.0	400.0	400.0	400.0	0.6	0.6	-86.62	31.4	-1.6	31.1	29.9	1.29	24.189		
412.5	412.4	412.3	412.3	0.7	0.7	-87.95	31.4	-1.6	31.1	29.8	1.34	23.291 CC, ES		
500.0	499.6	498.7	498.6	0.9	0.8	-104.43	31.8	-4.1	33.1	31.4	1.67	19.780 SF		
600.0	598.8	595.1	594.8	1.1	1.0	-128.31	33.1	-11.4	45.0	42.9	2.07	21.768		
700.0	697.1	688.0	687.0	1.5	1.3	-143.40	36.2	-22.4	70.1	67.7	2.41	29.018		
800.0	795.0	778.0	775.7	1.8	1.5	-150.06	42.1	-36.2	103.4	100.7	2.76	37.497		
900.0	892.9	868.1	863.9	2.2	1.9	-152.76	50.5	-52.7	140.9	137.8	3.12	45.176		
1,000.0	990.9	960.5	954.2	2.6	2.2	-154.29	59.5	-70.0	179.0	175.5	3.49	51.267		
1,100.0	1,088.8	1,052.9	1,044.5	3.0	2.6	-155.27	68.6	-87.3	217.2	213.4	3.87	56.120		
1,200.0	1,186.7	1,145.2	1,134.7	3.4	2.9	-155.97	77.6	-104.6	255.5	251.2	4.25	60.056		
1,300.0	1,284.6	1,237.6	1,225.0	3.8	3.3	-156.48	86.6	-121.9	293.7	289.1	4.64	63.304		
1,400.0	1,382.5	1,330.0	1,315.3	4.2	3.7	-156.87	95.6	-139.2	332.0	327.0	5.03	66.024		
1,500.0	1,480.5	1,422.3	1,405.6	4.6	4.0	-157.18	104.7	-156.5	370.3	364.9	5.42	68.332		
1,600.0	1,578.4	1,514.7	1,495.8	5.0	4.4	-157.44	113.7	-173.8	408.6	402.8	5.81	70.312		
1,700.0	1,676.3	1,607.1	1,586.1	5.4	4.8	-157.65	122.7	-191.1	446.9	440.7	6.20	72.029		
1,800.0	1,774.2	1,699.4	1,676.4	5.8	5.2	-157.83	131.8	-208.4	485.2	478.6	6.60	73.531		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												H04 596 Pad - UWF04A-10 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft	
Survey Program: 0-MWD														Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
0.0	0.0	0.0	0.0	0.0	0.0	-164.18	-162.9	-46.2	169.3								
100.0	100.0	100.0	100.0	0.1	0.1	-164.18	-162.9	-46.2	169.3	169.1	0.23	723.976					
200.0	200.0	200.0	200.0	0.3	0.3	-164.18	-162.9	-46.2	169.3	168.7	0.58	290.458					
233.4	233.4	233.4	233.4	0.3	0.3	-164.18	-162.9	-46.2	169.3	168.6	0.70	242.063	CC, ES				
300.0	300.0	296.8	296.8	0.5	0.5	-164.30	-163.4	-45.9	169.8	168.9	0.93	183.252					
400.0	400.0	390.0	389.9	0.6	0.6	116.36	-167.6	-44.1	174.8	173.5	1.28	137.050					
500.0	499.6	482.6	482.0	0.9	0.9	116.34	-175.9	-40.6	185.9	184.2	1.66	111.710					
600.0	598.8	573.9	572.3	1.1	1.1	116.57	-188.1	-35.5	203.0	200.9	2.12	95.688					
700.0	697.1	663.4	660.2	1.5	1.5	116.99	-203.9	-28.7	226.1	223.4	2.67	84.826					
800.0	795.0	751.2	745.5	1.8	1.9	117.56	-223.1	-20.6	253.6	250.3	3.26	77.722					
900.0	892.9	837.2	828.0	2.2	2.3	117.46	-245.4	-11.2	284.3	280.4	3.90	72.937					
1,000.0	990.9	921.2	907.5	2.6	2.8	116.91	-270.4	-0.6	318.2	313.7	4.56	69.756					
1,100.0	1,088.8	1,000.0	980.9	3.0	3.3	116.10	-296.7	10.6	355.3	350.1	5.23	67.904					
1,200.0	1,186.7	1,082.1	1,056.0	3.4	4.0	115.05	-327.2	23.5	395.5	389.5	5.95	66.499					
1,300.0	1,284.6	1,158.7	1,124.8	3.8	4.6	113.95	-358.2	36.7	438.7	432.1	6.65	65.935					
1,400.0	1,382.5	1,232.5	1,189.8	4.2	5.2	112.82	-390.5	50.4	484.9	477.6	7.36	65.915	SF				

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04B-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	15.90	38.4	11.0	40.0					
100.0	100.0	100.0	100.0	0.1	0.1	15.90	38.4	11.0	40.0	39.7	0.23	170.904		
200.0	200.0	200.0	200.0	0.3	0.3	15.90	38.4	11.0	40.0	39.4	0.58	68.567		
300.0	300.0	300.0	300.0	0.5	0.5	15.90	38.4	11.0	40.0	39.0	0.93	42.886		
400.0	400.0	400.0	400.0	0.6	0.6	-66.55	38.4	11.0	38.9	37.6	1.29	30.207		
477.7	477.5	476.7	476.7	0.8	0.8	-76.53	39.3	9.7	37.8	36.2	1.59	23.799 CC, ES		
500.0	499.6	498.5	498.5	0.9	0.8	-80.96	39.9	8.9	37.9	36.3	1.67	22.657		
600.0	598.8	595.1	594.7	1.1	1.0	-105.10	44.1	2.8	44.7	42.6	2.11	21.176 SF		
700.0	697.1	688.5	687.4	1.5	1.3	-125.02	50.9	-6.9	65.0	62.5	2.52	25.779		
800.0	795.0	778.8	776.3	1.8	1.5	-136.04	59.7	-19.8	95.6	92.8	2.89	33.115		
900.0	892.9	866.0	861.4	2.2	1.9	-141.91	69.5	-36.1	132.4	129.1	3.25	40.704		
1,000.0	990.9	949.8	942.4	2.6	2.3	-145.37	79.8	-55.2	174.0	170.3	3.61	48.123		
1,100.0	1,088.8	1,030.2	1,019.0	3.0	2.7	-147.57	90.5	-76.8	219.8	215.8	3.98	55.267		
1,200.0	1,186.7	1,107.0	1,091.3	3.4	3.2	-149.05	101.6	-100.3	269.4	265.0	4.34	62.135		
1,300.0	1,284.6	1,180.2	1,159.2	3.8	3.7	-150.08	112.8	-125.3	322.5	317.8	4.69	68.720		
1,400.0	1,382.5	1,250.0	1,222.9	4.2	4.3	-150.82	124.0	-151.5	378.8	373.7	5.05	75.067		
1,500.0	1,480.5	1,316.3	1,282.4	4.6	4.8	-151.37	135.3	-178.4	438.0	432.6	5.39	81.213		
1,600.0	1,578.4	1,379.2	1,338.0	5.0	5.4	-151.79	146.4	-205.9	500.0	494.2	5.74	87.151		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF04B-10 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft
Survey Program:													0-MWD		Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
0.0	0.0	0.0	0.0	0.0	0.0	-164.34	-173.0	-48.5	179.7								
100.0	100.0	100.0	100.0	0.1	0.1	-164.34	-173.0	-48.5	179.7	179.5	0.23	768.322					
200.0	200.0	200.0	200.0	0.3	0.3	-164.34	-173.0	-48.5	179.7	179.1	0.58	308.249	CC, ES				
300.0	300.0	293.0	292.9	0.5	0.5	-164.77	-175.1	-47.7	181.6	180.7	0.92	196.667					
400.0	400.0	385.5	385.2	0.6	0.7	115.49	-181.4	-45.2	188.6	187.4	1.28	147.608					
500.0	499.6	477.1	476.1	0.9	0.9	115.12	-191.7	-41.1	201.8	200.1	1.68	120.396					
600.0	598.8	567.2	564.9	1.1	1.2	115.06	-205.7	-35.6	220.9	218.7	2.14	103.047					
700.0	697.1	655.3	651.0	1.5	1.6	115.26	-223.3	-28.6	245.8	243.1	2.70	91.185					
800.0	795.0	741.6	734.4	1.8	2.0	115.77	-244.0	-20.5	275.2	271.9	3.30	83.396					
900.0	892.9	826.0	814.8	2.2	2.5	115.72	-267.6	-11.1	307.9	304.0	3.94	78.219					
1,000.0	990.9	908.2	892.1	2.6	3.0	115.28	-293.7	-0.8	343.8	339.2	4.60	74.821					
1,100.0	1,088.8	988.0	965.8	3.0	3.6	114.59	-322.1	10.4	382.9	377.7	5.27	72.614					
1,200.0	1,186.7	1,065.3	1,036.0	3.4	4.2	113.75	-352.2	22.3	425.1	419.2	5.96	71.304					
1,300.0	1,284.6	1,139.9	1,102.4	3.8	4.8	112.83	-383.8	34.8	470.3	463.7	6.65	70.716	SF				

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04C-04 H04 596 - DD - Plan #1												Offset Site Error: 0.0 ft	
Survey Program: 0-MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	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	177.507	
200.0	200.0	200.4	200.4	0.3	0.3	1.30	41.3	0.9	41.3	40.7	0.58	70.677	
300.0	300.0	300.9	300.8	0.5	0.5	-5.84	39.4	-4.0	39.7	38.7	0.94	42.248	
371.3	371.2	371.9	371.4	0.6	0.7	-96.81	37.1	-10.5	38.7	37.4	1.27	30.417	CC, ES
400.0	400.0	400.2	399.5	0.6	0.8	-103.78	35.9	-13.8	39.0	37.6	1.40	27.930	
500.0	499.6	496.8	494.8	0.9	1.1	-131.41	30.7	-27.9	48.1	46.2	1.84	26.107	SF
600.0	598.8	589.1	585.2	1.1	1.5	-151.81	24.3	-45.7	72.8	70.6	2.18	33.408	
700.0	697.1	676.2	669.6	1.5	1.9	-162.95	17.0	-66.1	110.9	108.4	2.45	45.170	
800.0	795.0	759.7	749.7	1.8	2.3	-168.23	11.3	-88.8	156.3	153.6	2.73	57.363	
900.0	892.9	840.4	826.5	2.2	2.8	-170.46	7.8	-113.5	205.4	202.4	3.00	68.395	
1,000.0	990.9	918.3	899.8	2.6	3.3	-171.31	6.3	-139.8	257.5	254.2	3.28	78.390	
1,100.0	1,088.8	993.2	969.4	3.0	3.8	-171.45	6.6	-167.4	312.2	308.6	3.57	87.561	
1,200.0	1,186.7	1,065.2	1,035.4	3.4	4.4	-171.23	8.4	-196.0	369.4	365.6	3.85	96.036	
1,300.0	1,284.6	1,134.1	1,097.7	3.8	4.9	-170.80	11.7	-225.3	429.0	424.9	4.13	103.876	
1,400.0	1,382.5	1,200.0	1,156.4	4.2	5.5	-170.26	16.1	-255.0	490.9	486.4	4.41	111.241	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF04C-10 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft
Survey Program:													0-MWD		Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation	Warning				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor					
0.0	0.0	0.0	0.0	0.0	0.0	-164.17	-182.1	-51.6	189.3								
100.0	100.0	100.0	100.0	0.1	0.1	-164.17	-182.1	-51.6	189.3	189.1	0.23	809.428					
133.4	133.4	133.4	133.4	0.2	0.2	-164.17	-182.1	-51.6	189.3	189.0	0.35	540.300	CC, ES				
200.0	200.0	196.3	196.3	0.3	0.3	-164.27	-182.7	-51.4	189.8	189.2	0.58	329.017					
300.0	300.0	288.6	288.5	0.5	0.5	-165.05	-186.8	-49.9	193.7	192.8	0.92	209.678					
400.0	400.0	380.3	379.8	0.6	0.7	114.88	-195.1	-46.8	202.8	201.5	1.28	158.186					
500.0	499.6	470.9	469.4	0.9	1.0	114.22	-207.4	-42.3	218.0	216.3	1.69	129.192					
600.0	598.8	559.9	556.7	1.1	1.3	113.92	-223.2	-36.4	239.1	236.9	2.16	110.621					
700.0	697.1	646.7	641.1	1.5	1.7	113.92	-242.4	-29.4	266.0	263.3	2.72	97.830					
800.0	795.0	731.4	722.5	1.8	2.2	114.38	-264.5	-21.2	297.2	293.9	3.33	89.368					
900.0	892.9	814.2	800.9	2.2	2.7	114.36	-289.4	-12.0	331.9	327.9	3.96	83.784					
1,000.0	990.9	900.0	880.9	2.6	3.2	113.97	-318.5	-1.2	369.8	365.2	4.64	79.772					
1,100.0	1,088.8	972.7	947.4	3.0	3.8	113.42	-345.8	8.9	410.8	405.5	5.29	77.691					
1,200.0	1,186.7	1,048.1	1,015.3	3.4	4.4	112.71	-376.6	20.3	454.9	448.9	5.96	76.289	SF				

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04D-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	16.35	29.3	8.6	30.6					
100.0	100.0	100.0	100.0	0.1	0.1	16.35	29.3	8.6	30.6	30.3	0.23	130.730		
200.0	200.0	200.0	200.0	0.3	0.3	16.35	29.3	8.6	30.6	30.0	0.58	52.449 CC, ES		
300.0	300.0	299.0	299.0	0.5	0.5	20.33	29.7	11.0	31.7	30.8	0.93	34.036		
400.0	400.0	397.4	397.1	0.6	0.7	-54.24	33.0	17.4	35.9	34.6	1.30	27.642		
500.0	499.6	495.4	494.3	0.9	0.9	-53.65	39.5	27.7	41.7	40.0	1.70	24.559		
600.0	598.8	593.0	590.4	1.1	1.3	-55.54	49.2	41.6	49.1	46.9	2.17	22.603		
700.0	697.1	690.1	685.1	1.5	1.7	-58.77	62.0	59.2	58.3	55.5	2.77	21.059		
800.0	795.0	789.4	781.2	1.8	2.2	-61.68	76.8	79.1	68.9	65.4	3.44	20.031		
900.0	892.9	888.8	877.5	2.2	2.6	-63.81	91.6	99.0	79.6	75.4	4.14	19.208		
1,000.0	990.9	988.2	973.7	2.6	3.1	-65.43	106.4	119.0	90.3	85.5	4.87	18.559		
1,100.0	1,088.8	1,087.6	1,070.0	3.0	3.5	-66.71	121.2	138.9	101.2	95.6	5.61	18.043		
1,200.0	1,186.7	1,187.0	1,166.2	3.4	4.0	-67.73	136.0	158.9	112.1	105.7	6.36	17.627		
1,300.0	1,284.6	1,286.4	1,262.4	3.8	4.5	-68.58	150.7	178.8	123.0	115.9	7.11	17.288		
1,400.0	1,382.5	1,385.8	1,358.7	4.2	4.9	-69.29	165.5	198.8	133.9	126.0	7.87	17.006		
1,500.0	1,480.5	1,485.2	1,454.9	4.6	5.4	-69.89	180.3	218.7	144.9	136.2	8.64	16.768		
1,600.0	1,578.4	1,584.5	1,551.1	5.0	5.9	-70.41	195.1	238.7	155.8	146.4	9.41	16.566		
1,700.0	1,676.3	1,683.9	1,647.4	5.4	6.4	-70.86	209.9	258.6	166.8	156.6	10.17	16.393		
1,800.0	1,774.2	1,783.3	1,743.6	5.8	6.8	-71.25	224.7	278.6	177.8	166.8	10.95	16.241		
1,900.0	1,872.2	1,882.7	1,839.8	6.2	7.3	-71.60	239.5	298.5	188.8	177.0	11.72	16.109		
2,000.0	1,970.1	1,982.1	1,936.1	6.6	7.8	-71.91	254.3	318.5	199.8	187.3	12.49	15.992		
2,100.0	2,068.0	2,081.5	2,032.3	7.0	8.3	-72.19	269.1	338.4	210.8	197.5	13.27	15.888		
2,200.0	2,165.9	2,180.9	2,128.5	7.4	8.7	-72.44	283.9	358.4	221.8	207.7	14.04	15.795		
2,300.0	2,263.9	2,280.3	2,224.8	7.8	9.2	-72.66	298.7	378.3	232.8	218.0	14.82	15.711		
2,400.0	2,361.8	2,379.7	2,321.0	8.2	9.7	-72.87	313.4	398.3	243.8	228.2	15.59	15.635		
2,500.0	2,459.7	2,479.0	2,417.2	8.6	10.2	-73.06	328.2	418.2	254.8	238.4	16.37	15.566		
2,600.0	2,557.6	2,578.4	2,513.5	9.0	10.6	-73.23	343.0	438.2	265.8	248.7	17.15	15.503		
2,700.0	2,655.6	2,677.8	2,609.7	9.4	11.1	-73.39	357.8	458.1	276.9	258.9	17.92	15.446		
2,800.0	2,753.5	2,777.2	2,706.0	9.8	11.6	-73.53	372.6	478.1	287.9	269.2	18.70	15.393		
2,900.0	2,851.4	2,876.6	2,802.2	10.2	12.1	-73.67	387.4	498.0	298.9	279.4	19.48	15.344		
3,000.0	2,949.3	2,976.0	2,898.4	10.6	12.5	-73.80	402.2	518.0	309.9	289.7	20.26	15.298		
3,100.0	3,047.2	3,075.4	2,994.7	11.0	13.0	-73.91	417.0	537.9	321.0	299.9	21.04	15.256		
3,200.0	3,145.2	3,174.8	3,090.9	11.4	13.5	-74.02	431.8	557.9	332.0	310.2	21.82	15.217		
3,300.0	3,243.1	3,274.1	3,187.1	11.8	13.9	-74.12	446.6	577.8	343.0	320.4	22.59	15.181		
3,400.0	3,341.0	3,373.5	3,283.4	12.2	14.4	-74.22	461.3	597.8	354.0	330.7	23.37	15.147		
3,500.0	3,438.9	3,472.9	3,379.6	12.6	14.9	-74.31	476.1	617.7	365.1	340.9	24.15	15.115		
3,600.0	3,536.9	3,572.3	3,475.8	13.0	15.4	-74.40	490.9	637.7	376.1	351.2	24.93	15.085		
3,700.0	3,634.8	3,671.7	3,572.1	13.4	15.8	-74.48	505.7	657.6	387.1	361.4	25.71	15.057		
3,800.0	3,732.7	3,771.1	3,668.3	13.8	16.3	-74.55	520.5	677.6	398.2	371.7	26.49	15.030		
3,900.0	3,830.6	3,870.5	3,764.5	14.2	16.8	-74.62	535.3	697.5	409.2	381.9	27.27	15.005		
4,000.0	3,928.6	3,969.9	3,860.8	14.6	17.3	-74.69	550.1	717.5	420.2	392.2	28.05	14.981		
4,100.0	4,026.5	4,069.2	3,957.0	15.0	17.7	-74.76	564.9	737.4	431.3	402.5	28.83	14.959		
4,200.0	4,124.4	4,168.6	4,053.3	15.4	18.2	-74.82	579.7	757.4	442.3	412.7	29.61	14.938		
4,300.0	4,222.3	4,268.0	4,149.5	15.8	18.7	-74.88	594.5	777.3	453.4	423.0	30.39	14.918		
4,400.0	4,320.2	4,367.4	4,245.7	16.2	19.2	-74.93	609.3	797.3	464.4	433.2	31.17	14.898		
4,500.0	4,418.2	4,466.8	4,342.0	16.6	19.6	-74.98	624.0	817.2	475.4	443.5	31.95	14.880		
4,600.0	4,516.1	4,566.2	4,438.2	17.0	20.1	-75.03	638.8	837.1	486.5	453.7	32.73	14.863		
4,700.0	4,614.0	4,665.6	4,534.4	17.4	20.6	-75.08	653.6	857.1	497.5	464.0	33.51	14.846 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 UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												H04 596 Pad - UWF04D-10 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft
Survey Program: 0-MWD														Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor				
0.0	0.0	0.0	0.0	0.0	0.0	-161.29	-180.1	-61.0	190.2							
100.0	100.0	100.0	100.0	0.1	0.1	-161.29	-180.1	-61.0	190.2	189.9	0.23	813.100				
133.3	133.3	133.3	133.3	0.2	0.2	-161.29	-180.1	-61.0	190.2	189.8	0.35	542.964	CC, ES			
200.0	200.0	195.5	195.5	0.3	0.3	-161.25	-180.6	-61.3	190.7	190.2	0.58	331.184				
300.0	300.0	286.4	286.3	0.5	0.5	-161.01	-184.3	-63.4	195.4	194.5	0.93	209.893				
400.0	400.0	376.5	375.9	0.6	0.7	120.76	-191.7	-67.7	206.1	204.8	1.25	165.117				
500.0	499.6	464.6	463.2	0.9	1.0	122.42	-202.5	-73.9	224.1	222.5	1.60	139.681				
600.0	598.8	549.9	547.0	1.1	1.3	124.54	-216.2	-81.9	249.8	247.8	1.99	125.478				
700.0	697.1	631.5	626.4	1.5	1.6	126.81	-232.4	-91.2	283.3	280.8	2.41	117.578				
800.0	795.0	709.8	701.9	1.8	2.1	129.46	-250.7	-101.7	322.5	319.7	2.82	114.291				
900.0	892.9	785.3	773.7	2.2	2.5	131.50	-270.8	-113.4	366.0	362.8	3.23	113.283				
1,000.0	990.9	865.9	849.4	2.6	3.0	133.14	-294.8	-126.5	412.9	409.2	3.65	113.115				
1,100.0	1,088.8	952.0	929.9	3.0	3.5	134.05	-323.0	-138.1	460.6	456.5	4.10	112.298	SF			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04E-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 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		
0.0	0.0	0.0	0.0	0.0	0.0	15.90	19.2	5.5	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	15.90	19.2	5.5	20.0	19.8	0.23	85.470		
200.0	200.0	200.0	200.0	0.3	0.3	15.90	19.2	5.5	20.0	19.4	0.58	34.290		
300.0	300.0	300.0	300.0	0.5	0.5	15.90	19.2	5.5	20.0	19.1	0.93	21.448 CC, ES		
400.0	400.0	399.3	399.2	0.6	0.6	-64.43	20.5	7.7	20.6	19.4	1.29	16.026		
500.0	499.6	498.5	498.1	0.9	0.9	-67.99	24.2	14.5	22.7	21.0	1.69	13.399		
600.0	598.8	597.6	596.4	1.1	1.1	-72.63	30.5	25.7	26.2	24.0	2.20	11.907		
700.0	697.1	696.7	693.8	1.5	1.5	-77.27	39.2	41.4	31.4	28.5	2.86	10.961		
800.0	795.0	795.9	790.5	1.8	1.9	-77.65	50.1	61.0	38.5	34.9	3.58	10.756		
900.0	892.9	895.7	887.5	2.2	2.3	-77.09	61.4	81.4	46.0	41.7	4.31	10.664		
1,000.0	990.9	995.4	984.4	2.6	2.7	-76.68	72.7	101.7	53.5	48.4	5.06	10.573		
1,100.0	1,088.8	1,095.1	1,081.4	3.0	3.2	-76.38	84.0	122.1	61.0	55.2	5.82	10.492		
1,200.0	1,186.7	1,194.8	1,178.3	3.4	3.6	-76.14	95.3	142.5	68.5	62.0	6.58	10.422		
1,300.0	1,284.6	1,294.5	1,275.3	3.8	4.0	-75.95	106.6	162.8	76.0	68.7	7.34	10.362		
1,400.0	1,382.5	1,394.2	1,372.3	4.2	4.5	-75.79	118.0	183.2	83.6	75.5	8.10	10.310		
1,500.0	1,480.5	1,494.0	1,469.2	4.6	4.9	-75.66	129.3	203.6	91.1	82.2	8.87	10.266		
1,600.0	1,578.4	1,593.7	1,566.2	5.0	5.4	-75.55	140.6	224.0	98.6	88.9	9.64	10.227		
1,700.0	1,676.3	1,693.4	1,663.1	5.4	5.8	-75.46	151.9	244.3	106.1	95.7	10.41	10.192		
1,800.0	1,774.2	1,793.1	1,760.1	5.8	6.3	-75.37	163.2	264.7	113.6	102.4	11.18	10.162		
1,900.0	1,872.2	1,892.8	1,857.0	6.2	6.7	-75.30	174.5	285.1	121.1	109.2	11.95	10.135		
2,000.0	1,970.1	1,992.5	1,954.0	6.6	7.2	-75.24	185.9	305.4	128.7	115.9	12.72	10.111		
2,100.0	2,068.0	2,092.3	2,050.9	7.0	7.6	-75.18	197.2	325.8	136.2	122.7	13.50	10.090		
2,200.0	2,165.9	2,192.0	2,147.9	7.4	8.1	-75.13	208.5	346.2	143.7	129.4	14.27	10.070		
2,300.0	2,263.9	2,291.7	2,244.9	7.8	8.5	-75.08	219.8	366.6	151.2	136.2	15.04	10.053		
2,400.0	2,361.8	2,391.4	2,341.8	8.2	9.0	-75.04	231.1	386.9	158.7	142.9	15.82	10.037		
2,500.0	2,459.7	2,491.1	2,438.8	8.6	9.4	-75.00	242.4	407.3	166.2	149.7	16.59	10.022		
2,600.0	2,557.6	2,590.8	2,535.7	9.0	9.9	-74.97	253.7	427.7	173.8	156.4	17.36	10.008		
2,700.0	2,655.6	2,690.6	2,632.7	9.4	10.3	-74.94	265.1	448.0	181.3	163.1	18.14	9.996		
2,800.0	2,753.5	2,790.3	2,729.6	9.8	10.8	-74.91	276.4	468.4	188.8	169.9	18.91	9.984		
2,900.0	2,851.4	2,890.0	2,826.6	10.2	11.2	-74.88	287.7	488.8	196.3	176.6	19.68	9.974		
3,000.0	2,949.3	2,989.7	2,923.5	10.6	11.7	-74.86	299.0	509.2	203.8	183.4	20.46	9.964		
3,100.0	3,047.2	3,089.4	3,020.5	11.0	12.1	-74.83	310.3	529.5	211.4	190.1	21.23	9.954		
3,200.0	3,145.2	3,189.1	3,117.5	11.4	12.6	-74.81	321.6	549.9	218.9	196.9	22.01	9.946		
3,300.0	3,243.1	3,288.9	3,214.4	11.8	13.0	-74.79	333.0	570.3	226.4	203.6	22.78	9.938		
3,400.0	3,341.0	3,388.6	3,311.4	12.2	13.5	-74.77	344.3	590.6	233.9	210.4	23.56	9.930		
3,500.0	3,438.9	3,488.3	3,408.3	12.6	13.9	-74.76	355.6	611.0	241.4	217.1	24.33	9.923		
3,600.0	3,536.9	3,588.0	3,505.3	13.0	14.3	-74.74	366.9	631.4	248.9	223.8	25.10	9.916		
3,700.0	3,634.8	3,687.7	3,602.2	13.4	14.8	-74.72	378.2	651.8	256.5	230.6	25.88	9.910		
3,800.0	3,732.7	3,787.5	3,699.2	13.8	15.2	-74.71	389.5	672.1	264.0	237.3	26.65	9.904		
3,900.0	3,830.6	3,887.2	3,796.2	14.2	15.7	-74.70	400.8	692.5	271.5	244.1	27.43	9.898		
4,000.0	3,928.6	3,986.9	3,893.1	14.6	16.1	-74.68	412.2	712.9	279.0	250.8	28.20	9.893		
4,100.0	4,026.5	4,086.6	3,990.1	15.0	16.6	-74.67	423.5	733.2	286.5	257.6	28.98	9.888		
4,200.0	4,124.4	4,186.3	4,087.0	15.4	17.0	-74.66	434.8	753.6	294.1	264.3	29.75	9.883		
4,300.0	4,222.3	4,286.0	4,184.0	15.8	17.5	-74.65	446.1	774.0	301.6	271.0	30.53	9.879		
4,400.0	4,320.2	4,385.8	4,280.9	16.2	17.9	-74.64	457.4	794.4	309.1	277.8	31.30	9.874		
4,500.0	4,418.2	4,485.5	4,377.9	16.6	18.4	-74.63	468.7	814.7	316.6	284.5	32.08	9.870		
4,600.0	4,516.1	4,585.2	4,474.8	17.0	18.8	-74.62	480.1	835.1	324.1	291.3	32.85	9.866		
4,700.0	4,614.0	4,684.9	4,571.8	17.4	19.3	-74.61	491.4	855.5	331.7	298.0	33.63	9.862		
4,800.0	4,711.9	4,784.6	4,668.8	17.8	19.7	-74.60	502.7	875.8	339.2	304.8	34.40	9.859		
4,900.0	4,809.9	4,884.3	4,765.7	18.2	20.2	-74.59	514.0	896.2	346.7	311.5	35.18	9.855		
5,000.0	4,907.8	4,984.1	4,862.7	18.6	20.6	-74.58	525.3	916.6	354.2	318.3	35.95	9.852		
5,100.0	5,005.7	5,083.8	4,959.6	19.0	21.1	-74.57	536.6	937.0	361.7	325.0	36.73	9.849		

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 UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04E-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,103.6	5,183.5	5,056.6	19.4	21.5	-74.57	548.0	957.3	369.2	331.7	37.50	9.845		
5,300.0	5,201.6	5,283.2	5,153.5	19.8	22.0	-74.56	559.3	977.7	376.8	338.5	38.28	9.842		
5,400.0	5,299.5	5,382.9	5,250.5	20.2	22.4	-74.55	570.6	998.1	384.3	345.2	39.05	9.840		
5,500.0	5,397.4	5,482.6	5,347.4	20.6	22.9	-74.55	581.9	1,018.4	391.8	352.0	39.83	9.837		
5,600.0	5,495.3	5,582.4	5,444.4	21.0	23.3	-74.54	593.2	1,038.8	399.3	358.7	40.60	9.834		
5,700.0	5,593.2	5,682.1	5,541.4	21.4	23.8	-74.53	604.5	1,059.2	406.8	365.5	41.38	9.832		
5,800.0	5,691.2	5,781.8	5,638.3	21.8	24.2	-74.53	615.8	1,079.5	414.4	372.2	42.16	9.829		
5,900.0	5,789.1	5,881.5	5,735.3	22.2	24.7	-74.52	627.2	1,099.9	421.9	378.9	42.93	9.827		
6,000.0	5,887.0	5,981.2	5,832.2	22.6	25.1	-74.52	638.5	1,120.3	429.4	385.7	43.71	9.825		
6,100.0	5,984.9	6,080.9	5,929.2	23.0	25.6	-74.51	649.8	1,140.7	436.9	392.4	44.48	9.822		
6,200.0	6,082.9	6,180.7	6,026.1	23.4	26.0	-74.51	661.1	1,161.0	444.4	399.2	45.26	9.820		
6,300.0	6,180.8	6,280.4	6,123.1	23.8	26.5	-74.50	672.4	1,181.4	452.0	405.9	46.03	9.818		
6,400.0	6,278.7	6,380.1	6,220.0	24.2	26.9	-74.50	683.7	1,201.8	459.5	412.7	46.81	9.816		
6,500.0	6,376.6	6,479.8	6,317.0	24.6	27.4	-74.49	695.1	1,222.1	467.0	419.4	47.58	9.814		
6,600.0	6,474.6	6,579.5	6,414.0	25.0	27.8	-74.49	706.4	1,242.5	474.5	426.1	48.36	9.812		
6,700.0	6,572.5	6,679.2	6,510.9	25.4	28.3	-74.48	717.7	1,262.9	482.0	432.9	49.13	9.811		
6,800.0	6,670.4	6,779.0	6,607.9	25.8	28.7	-74.48	729.0	1,283.3	489.5	439.6	49.91	9.809		
6,900.0	6,768.3	6,878.7	6,704.8	26.2	29.2	-74.47	740.3	1,303.6	497.1	446.4	50.68	9.807 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04E-04 H04 596 - DD - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	-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	96.638	
200.0	200.0	200.0	200.0	0.3	0.3	-9.97	22.3	-3.9	22.6	22.0	0.58	38.771	
300.0	300.0	300.0	300.0	0.5	0.5	-9.97	22.3	-3.9	22.6	21.7	0.93	24.250 CC, ES	
400.0	400.0	399.4	399.3	0.6	0.6	-101.07	22.7	-6.5	23.9	22.6	1.29	18.544 SF	
500.0	499.6	497.2	496.8	0.9	0.9	-126.38	23.8	-14.0	32.7	31.1	1.67	19.645	
600.0	598.8	591.9	590.8	1.1	1.1	-144.45	25.7	-25.9	54.0	52.0	2.02	26.779	
700.0	697.1	682.4	679.9	1.5	1.4	-153.71	28.2	-41.6	86.7	84.4	2.34	36.983	
800.0	795.0	768.9	764.2	1.8	1.8	-158.47	31.1	-60.5	126.7	124.0	2.67	47.423	
900.0	892.9	851.9	844.2	2.2	2.2	-160.90	34.5	-82.1	171.0	168.0	3.00	57.103	
1,000.0	990.9	931.2	919.8	2.6	2.7	-162.26	38.3	-106.0	219.3	216.0	3.32	66.129	
1,100.0	1,088.8	1,007.0	990.9	3.0	3.2	-163.07	42.3	-131.7	271.2	267.6	3.63	74.619	
1,200.0	1,186.7	1,079.1	1,057.7	3.4	3.7	-163.57	46.5	-158.7	326.4	322.4	3.95	82.659	
1,300.0	1,284.6	1,147.7	1,120.1	3.8	4.3	-163.89	50.9	-186.7	384.6	380.3	4.26	90.322	
1,400.0	1,382.5	1,212.8	1,178.5	4.2	4.8	-164.09	55.4	-215.4	445.6	441.0	4.56	97.667	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05A-03 H04 596 - DD - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	17.18	10.1	3.1	10.6						
100.0	100.0	100.0	100.0	0.1	0.1	17.18	10.1	3.1	10.6	10.4	0.23	45.285			
200.0	200.0	200.0	200.0	0.3	0.3	17.18	10.1	3.1	10.6	10.0	0.58	18.168 CC, ES			
300.0	300.0	299.6	299.5	0.5	0.5	26.77	11.0	5.6	12.4	11.4	0.94	13.177			
400.0	400.0	398.8	398.5	0.6	0.7	-41.07	13.7	12.8	16.8	15.5	1.30	12.947			
500.0	499.6	497.8	496.6	0.9	1.0	-36.66	18.2	24.8	22.0	20.3	1.68	13.106			
600.0	598.8	596.5	593.7	1.1	1.3	-35.50	24.4	41.6	27.7	25.6	2.10	13.180			
700.0	697.1	696.2	691.0	1.5	1.7	-37.40	31.9	61.6	32.2	29.6	2.59	12.414			
800.0	795.0	796.1	788.6	1.8	2.1	-40.99	39.4	81.7	35.1	32.0	3.17	11.084			
900.0	892.9	896.0	886.2	2.2	2.5	-44.01	46.9	101.8	38.2	34.4	3.80	10.067			
1,000.0	990.9	996.0	983.8	2.6	3.0	-46.57	54.4	122.0	41.4	36.9	4.46	9.283			
1,100.0	1,088.8	1,095.9	1,081.4	3.0	3.4	-48.76	61.9	142.1	44.7	39.5	5.15	8.672			
1,200.0	1,186.7	1,195.8	1,179.0	3.4	3.8	-50.65	69.4	162.3	48.0	42.1	5.86	8.187			
1,300.0	1,284.6	1,295.8	1,276.6	3.8	4.2	-52.30	76.9	182.4	51.3	44.7	6.58	7.797			
1,400.0	1,382.5	1,395.7	1,374.2	4.2	4.6	-53.74	84.4	202.5	54.7	47.4	7.32	7.478			
1,500.0	1,480.5	1,495.6	1,471.8	4.6	5.0	-55.02	91.8	222.7	58.1	50.1	8.06	7.214			
1,600.0	1,578.4	1,595.6	1,569.4	5.0	5.5	-56.15	99.3	242.8	61.6	52.8	8.81	6.992			
1,700.0	1,676.3	1,695.5	1,667.0	5.4	5.9	-57.16	106.8	262.9	65.1	55.5	9.56	6.803			
1,800.0	1,774.2	1,795.4	1,764.6	5.8	6.3	-58.07	114.3	283.1	68.5	58.2	10.32	6.641			
1,900.0	1,872.2	1,895.4	1,862.1	6.2	6.7	-58.89	121.8	303.2	72.0	61.0	11.08	6.501			
2,000.0	1,970.1	1,995.3	1,959.7	6.6	7.1	-59.64	129.3	323.4	75.6	63.7	11.85	6.378			
2,100.0	2,068.0	2,095.2	2,057.3	7.0	7.6	-60.32	136.8	343.5	79.1	66.5	12.61	6.271			
2,200.0	2,165.9	2,195.2	2,154.9	7.4	8.0	-60.94	144.3	363.6	82.6	69.3	13.38	6.175			
2,300.0	2,263.9	2,295.1	2,252.5	7.8	8.4	-61.51	151.8	383.8	86.2	72.0	14.15	6.090			
2,400.0	2,361.8	2,395.0	2,350.1	8.2	8.8	-62.03	159.3	403.9	89.7	74.8	14.92	6.014			
2,500.0	2,459.7	2,495.0	2,447.7	8.6	9.2	-62.52	166.8	424.1	93.3	77.6	15.69	5.945			
2,600.0	2,557.6	2,594.9	2,545.3	9.0	9.7	-62.96	174.3	444.2	96.9	80.4	16.46	5.883			
2,700.0	2,655.6	2,694.8	2,642.9	9.4	10.1	-63.38	181.8	464.3	100.4	83.2	17.24	5.827			
2,800.0	2,753.5	2,794.8	2,740.5	9.8	10.5	-63.77	189.3	484.5	104.0	86.0	18.01	5.775			
2,900.0	2,851.4	2,894.7	2,838.1	10.2	10.9	-64.13	196.8	504.6	107.6	88.8	18.79	5.728			
3,000.0	2,949.3	2,994.6	2,935.7	10.6	11.3	-64.47	204.3	524.7	111.2	91.6	19.56	5.685			
3,100.0	3,047.2	3,094.6	3,033.3	11.0	11.8	-64.79	211.8	544.9	114.8	94.4	20.33	5.644			
3,200.0	3,145.2	3,194.5	3,130.9	11.4	12.2	-65.09	219.3	565.0	118.4	97.3	21.11	5.607			
3,300.0	3,243.1	3,294.4	3,228.5	11.8	12.6	-65.37	226.8	585.2	122.0	100.1	21.89	5.573			
3,400.0	3,341.0	3,394.4	3,326.1	12.2	13.0	-65.63	234.3	605.3	125.6	102.9	22.66	5.541			
3,500.0	3,438.9	3,494.3	3,423.7	12.6	13.4	-65.88	241.8	625.4	129.2	105.7	23.44	5.511			
3,600.0	3,536.9	3,594.2	3,521.3	13.0	13.9	-66.12	249.3	645.6	132.8	108.6	24.21	5.484			
3,700.0	3,634.8	3,694.2	3,618.9	13.4	14.3	-66.34	256.8	665.7	136.4	111.4	24.99	5.458			
3,800.0	3,732.7	3,794.1	3,716.5	13.8	14.7	-66.55	264.3	685.8	140.0	114.2	25.77	5.433			
3,900.0	3,830.6	3,894.0	3,814.1	14.2	15.1	-66.76	271.8	706.0	143.6	117.1	26.54	5.410			
4,000.0	3,928.6	3,994.0	3,911.7	14.6	15.5	-66.95	279.3	726.1	147.2	119.9	27.32	5.389			
4,100.0	4,026.5	4,093.9	4,009.3	15.0	16.0	-67.13	286.8	746.3	150.8	122.7	28.10	5.368			
4,200.0	4,124.4	4,193.8	4,106.9	15.4	16.4	-67.30	294.3	766.4	154.4	125.6	28.87	5.349			
4,300.0	4,222.3	4,293.8	4,204.5	15.8	16.8	-67.47	301.8	786.5	158.1	128.4	29.65	5.331			
4,400.0	4,320.2	4,393.7	4,302.0	16.2	17.2	-67.63	309.3	806.7	161.7	131.3	30.43	5.313			
4,500.0	4,418.2	4,493.6	4,399.6	16.6	17.6	-67.78	316.8	826.8	165.3	134.1	31.21	5.297			
4,600.0	4,516.1	4,593.6	4,497.2	17.0	18.1	-67.93	324.3	846.9	168.9	136.9	31.98	5.282			
4,700.0	4,614.0	4,693.5	4,594.8	17.4	18.5	-68.07	331.8	867.1	172.5	139.8	32.76	5.267			
4,800.0	4,711.9	4,793.4	4,692.4	17.8	18.9	-68.20	339.2	887.2	176.2	142.6	33.54	5.253			
4,900.0	4,809.9	4,893.4	4,790.0	18.2	19.3	-68.33	346.7	907.4	179.8	145.5	34.32	5.239			
5,000.0	4,907.8	4,993.3	4,887.6	18.6	19.7	-68.45	354.2	927.5	183.4	148.3	35.09	5.226			
5,100.0	5,005.7	5,093.2	4,985.2	19.0	20.2	-68.57	361.7	947.6	187.0	151.2	35.87	5.214			

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 UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05A-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,103.6	5,193.2	5,082.8	19.4	20.6	-68.68	369.2	967.8	190.7	154.0	36.65	5.203		
5,300.0	5,201.6	5,293.1	5,180.4	19.8	21.0	-68.79	376.7	987.9	194.3	156.9	37.43	5.191		
5,400.0	5,299.5	5,393.0	5,278.0	20.2	21.4	-68.90	384.2	1,008.0	197.9	159.7	38.20	5.181		
5,500.0	5,397.4	5,493.0	5,375.6	20.6	21.8	-69.00	391.7	1,028.2	201.5	162.6	38.98	5.170		
5,600.0	5,495.3	5,592.9	5,473.2	21.0	22.3	-69.10	399.2	1,048.3	205.2	165.4	39.76	5.160		
5,700.0	5,593.2	5,692.8	5,570.8	21.4	22.7	-69.19	406.7	1,068.5	208.8	168.3	40.54	5.151		
5,800.0	5,691.2	5,792.8	5,668.4	21.8	23.1	-69.28	414.2	1,088.6	212.4	171.1	41.31	5.142		
5,900.0	5,789.1	5,892.7	5,766.0	22.2	23.5	-69.37	421.7	1,108.7	216.1	174.0	42.09	5.133		
6,000.0	5,887.0	5,992.6	5,863.6	22.6	23.9	-69.46	429.2	1,128.9	219.7	176.8	42.87	5.125		
6,100.0	5,984.9	6,092.6	5,961.2	23.0	24.4	-69.54	436.7	1,149.0	223.3	179.7	43.65	5.117		
6,200.0	6,082.9	6,192.5	6,058.8	23.4	24.8	-69.62	444.2	1,169.1	227.0	182.5	44.43	5.109		
6,300.0	6,180.8	6,292.4	6,156.4	23.8	25.2	-69.70	451.7	1,189.3	230.6	185.4	45.20	5.101		
6,400.0	6,278.7	6,392.4	6,254.0	24.2	25.6	-69.77	459.2	1,209.4	234.2	188.2	45.98	5.094		
6,500.0	6,376.6	6,492.3	6,351.6	24.6	26.0	-69.84	466.7	1,229.6	237.9	191.1	46.76	5.087		
6,600.0	6,474.6	6,592.2	6,449.2	25.0	26.5	-69.92	474.2	1,249.7	241.5	193.9	47.54	5.080		
6,700.0	6,572.5	6,692.2	6,546.8	25.4	26.9	-69.98	481.7	1,269.8	245.1	196.8	48.31	5.073		
6,800.0	6,670.4	6,792.1	6,644.4	25.8	27.3	-70.05	489.2	1,290.0	248.8	199.7	49.09	5.067		
6,900.0	6,768.3	6,892.0	6,741.9	26.2	27.7	-70.11	496.7	1,310.1	252.4	202.5	49.87	5.061		
7,000.0	6,866.2	6,992.0	6,839.5	26.6	28.1	-70.18	504.2	1,330.2	256.0	205.4	50.65	5.055		
7,100.0	6,964.2	7,091.9	6,937.1	27.0	28.6	-70.24	511.7	1,350.4	259.7	208.2	51.43	5.049		
7,200.0	7,062.5	7,196.2	7,039.3	27.3	29.0	-70.18	519.1	1,370.4	263.4	211.4	52.08	5.059		
7,300.0	7,161.6	7,303.4	7,145.2	27.6	29.3	-70.04	524.8	1,385.8	266.5	213.9	52.53	5.073		
7,400.0	7,261.2	7,410.8	7,252.0	27.7	29.5	-69.86	528.5	1,395.6	268.5	215.7	52.81	5.085		
7,500.0	7,361.2	7,518.3	7,359.4	27.8	29.6	-69.66	530.1	1,399.8	269.6	216.7	52.93	5.094		
7,600.0	7,461.2	7,620.1	7,461.3	27.9	29.7	129.86	530.1	1,399.9	269.7	216.6	53.09	5.080		
7,700.0	7,561.2	7,720.2	7,561.3	28.0	29.7	129.86	530.1	1,399.9	269.7	216.5	53.27	5.064		
7,800.0	7,661.2	7,820.3	7,661.4	28.1	29.8	129.87	530.0	1,399.8	269.8	216.3	53.44	5.048		
7,900.0	7,761.2	7,920.3	7,761.5	28.1	29.9	129.88	530.0	1,399.7	269.8	216.2	53.61	5.032		
8,000.0	7,861.2	8,020.4	7,861.5	28.2	30.0	129.89	529.9	1,399.5	269.8	216.0	53.78	5.017		
8,100.0	7,961.2	8,120.5	7,961.6	28.3	30.0	129.90	529.8	1,399.4	269.9	215.9	53.95	5.002		
8,200.0	8,061.2	8,220.5	8,061.7	28.4	30.1	129.91	529.7	1,399.1	269.9	215.8	54.12	4.987		
8,300.0	8,161.2	8,320.6	8,161.7	28.5	30.2	129.93	529.5	1,398.9	270.0	215.7	54.30	4.972		
8,400.0	8,261.2	8,420.7	8,261.8	28.5	30.3	129.94	529.3	1,398.6	270.0	215.6	54.47	4.958		
8,500.0	8,361.2	8,520.8	8,361.9	28.6	30.4	129.96	529.2	1,398.3	270.1	215.5	54.64	4.944		
8,600.0	8,461.2	8,620.8	8,461.9	28.7	30.4	129.98	529.0	1,397.9	270.2	215.4	54.81	4.930		
8,700.0	8,561.2	8,720.9	8,562.0	28.8	30.5	130.01	528.7	1,397.6	270.3	215.3	54.98	4.916		
8,800.0	8,661.2	8,821.0	8,662.1	28.9	30.6	130.03	528.5	1,397.1	270.4	215.2	55.16	4.902		
8,900.0	8,761.2	8,921.0	8,762.1	29.0	30.7	130.05	528.2	1,396.7	270.5	215.1	55.33	4.888		
9,000.0	8,861.2	9,021.1	8,862.2	29.0	30.8	130.06	527.9	1,396.2	270.5	215.0	55.51	4.874		
9,100.0	8,961.2	9,121.2	8,962.3	29.1	30.8	130.07	527.6	1,395.7	270.6	214.9	55.69	4.858		
9,200.0	9,061.2	9,221.2	9,062.3	29.2	30.9	130.07	527.3	1,395.1	270.6	214.7	55.88	4.842		
9,300.0	9,161.2	9,321.3	9,162.4	29.3	31.0	130.07	526.9	1,394.5	270.5	214.5	56.06	4.826		
9,400.0	9,261.2	9,421.3	9,262.4	29.4	31.1	130.06	526.6	1,393.9	270.5	214.3	56.25	4.809		
9,500.0	9,361.2	9,521.3	9,362.4	29.5	31.2	130.05	526.2	1,393.3	270.5	214.0	56.45	4.792		
9,600.0	9,461.2	9,621.3	9,462.4	29.6	31.2	130.04	525.8	1,392.7	270.4	213.8	56.64	4.774		
9,700.0	9,561.2	9,721.3	9,562.4	29.7	31.3	130.03	525.5	1,392.0	270.4	213.5	56.84	4.757		
9,800.0	9,661.2	9,821.3	9,662.4	29.8	31.4	130.02	525.1	1,391.4	270.3	213.3	57.03	4.740		
9,900.0	9,761.2	9,921.3	9,762.4	29.8	31.5	130.01	524.7	1,390.8	270.3	213.1	57.23	4.723		
10,000.0	9,861.2	10,021.3	9,862.4	29.9	31.6	129.99	524.4	1,390.2	270.3	212.8	57.43	4.706		
10,100.0	9,961.2	10,121.3	9,962.4	30.0	31.7	129.98	524.0	1,389.5	270.2	212.6	57.63	4.689		
10,200.0	10,061.2	10,221.3	10,062.4	30.1	31.8	129.97	523.6	1,388.9	270.2	212.3	57.84	4.671		
10,300.0	10,161.2	10,321.3	10,162.4	30.2	31.8	129.96	523.3	1,388.3	270.1	212.1	58.04	4.654		

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 UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												H04 596 Pad - UWF05A-03 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft	
Survey Program: 0-MWD														Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance										
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				
10,400.0	10,261.2	10,421.3	10,262.4	30.3	31.9	129.95	522.9	1,387.7	270.1	211.8	58.24	4.637					
10,500.0	10,361.2	10,521.3	10,362.4	30.4	32.0	129.94	522.6	1,387.1	270.1	211.6	58.45	4.620					
10,600.0	10,461.1	10,621.3	10,462.4	30.5	32.1	129.93	522.2	1,386.4	270.0	211.4	58.66	4.603					
10,700.0	10,561.1	10,721.3	10,562.4	30.6	32.2	129.92	521.8	1,385.8	270.0	211.1	58.87	4.586					
10,800.0	10,661.1	10,821.3	10,662.4	30.7	32.3	129.91	521.5	1,385.2	269.9	210.8	59.08	4.569					
10,900.0	10,761.1	10,921.3	10,762.4	30.8	32.4	129.90	521.1	1,384.6	269.9	210.6	59.29	4.552					
11,000.0	10,861.1	11,021.3	10,862.4	30.9	32.5	129.89	520.7	1,384.0	269.8	210.3	59.50	4.535					
11,100.0	10,961.1	11,121.3	10,962.4	31.0	32.6	129.88	520.4	1,383.3	269.8	210.1	59.72	4.518					
11,200.0	11,061.1	11,221.3	11,062.4	31.1	32.7	129.87	520.0	1,382.7	269.8	209.8	59.94	4.501					
11,300.0	11,161.1	11,321.3	11,162.4	31.2	32.8	129.86	519.6	1,382.1	269.7	209.6	60.15	4.484					
11,400.0	11,261.1	11,421.3	11,262.4	31.3	32.9	129.85	519.3	1,381.5	269.7	209.3	60.37	4.467					
11,500.0	11,361.1	11,521.3	11,362.4	31.4	33.0	129.83	518.9	1,380.8	269.6	209.0	60.59	4.450					
11,600.0	11,461.1	11,621.3	11,462.4	31.5	33.1	129.82	518.5	1,380.2	269.6	208.8	60.81	4.433					
11,700.0	11,561.1	11,721.3	11,562.4	31.6	33.1	129.81	518.2	1,379.6	269.6	208.5	61.03	4.417					
11,800.0	11,661.1	11,821.3	11,662.4	31.7	33.2	129.80	517.8	1,379.0	269.5	208.3	61.26	4.400					
11,900.0	11,761.1	11,921.3	11,762.4	31.8	33.3	129.79	517.4	1,378.4	269.5	208.0	61.48	4.383					
12,000.0	11,861.1	12,021.3	11,862.4	31.9	33.4	129.78	517.1	1,377.7	269.4	207.7	61.71	4.366					
12,100.0	11,961.1	12,121.3	11,962.4	32.0	33.5	129.77	516.7	1,377.1	269.4	207.5	61.93	4.350					
12,200.0	12,061.1	12,221.3	12,062.4	32.1	33.6	129.76	516.3	1,376.5	269.4	207.2	62.16	4.333					
12,300.0	12,161.1	12,321.3	12,162.4	32.3	33.7	129.75	516.0	1,375.9	269.3	206.9	62.39	4.317					
12,400.0	12,261.1	12,421.3	12,262.4	32.4	33.8	129.74	515.6	1,375.3	269.3	206.6	62.62	4.300					
12,500.0	12,361.1	12,521.3	12,362.3	32.5	34.0	129.73	515.2	1,374.6	269.2	206.4	62.85	4.284					
12,600.0	12,461.1	12,621.3	12,462.3	32.6	34.1	129.72	514.9	1,374.0	269.2	206.1	63.08	4.267					
12,700.0	12,561.1	12,721.3	12,562.3	32.7	34.2	129.71	514.5	1,373.4	269.1	205.8	63.32	4.251					
12,800.0	12,661.1	12,821.3	12,662.3	32.8	34.3	129.70	514.1	1,372.8	269.1	205.6	63.55	4.234					
12,900.0	12,761.1	12,921.3	12,762.3	32.9	34.4	129.68	513.8	1,372.1	269.1	205.3	63.79	4.218					
12,963.0	12,824.1	12,984.3	12,825.3	33.0	34.4	129.68	513.5	1,371.8	269.0	205.1	63.93	4.208 SF					
13,000.0	12,861.1	13,000.0	12,841.0	33.0	34.4	129.68	513.5	1,371.7	269.9	205.9	64.00	4.217					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05A-04 H04 596 - DD - Plan #1												Offset Site Error: 0.0 ft			
Survey Program: 0-MWD														Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	-72.10	3.0	-9.4	9.9						
100.0	100.0	100.0	100.0	0.1	0.1	-72.10	3.0	-9.4	9.9	9.6	0.23	42.176			
200.0	200.0	200.0	200.0	0.3	0.3	-72.10	3.0	-9.4	9.9	9.3	0.58	16.921			
300.0	300.0	300.0	300.0	0.5	0.5	-72.10	3.0	-9.4	9.9	8.9	0.93	10.584	CC, ES, SF		
400.0	400.0	399.2	399.2	0.6	0.6	-158.09	3.3	-12.0	14.8	13.5	1.28	11.568			
500.0	499.6	496.9	496.6	0.9	0.9	-164.94	4.0	-19.5	30.0	28.4	1.62	18.477			
600.0	598.8	591.5	590.4	1.1	1.1	-167.91	5.1	-31.5	55.2	53.3	1.96	28.222			
700.0	697.1	681.9	679.3	1.5	1.4	-169.23	6.6	-47.3	90.0	87.7	2.28	39.445			
800.0	795.0	768.1	763.4	1.8	1.8	-169.84	8.4	-66.2	131.0	128.4	2.61	50.153			
900.0	892.9	850.9	843.3	2.2	2.2	-170.00	10.4	-87.9	175.9	173.0	2.94	59.905			
1,000.0	990.9	930.0	918.6	2.6	2.7	-169.97	12.6	-111.9	224.6	221.3	3.26	68.960			
1,100.0	1,088.8	1,000.0	984.4	3.0	3.1	-169.87	14.9	-135.7	276.8	273.2	3.56	77.704			
1,200.0	1,186.7	1,077.4	1,056.1	3.4	3.7	-169.72	17.6	-164.7	332.1	328.2	3.88	85.569			
1,300.0	1,284.6	1,145.7	1,118.4	3.8	4.2	-169.57	20.2	-192.8	390.5	386.3	4.19	93.303			
1,400.0	1,382.5	1,210.6	1,176.5	4.2	4.8	-169.41	22.9	-221.5	451.6	447.2	4.48	100.736			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05C-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			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	-164.10	-19.2	-5.5	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	-164.10	-19.2	-5.5	20.0	19.8	0.23	85.470		
200.0	200.0	200.0	200.0	0.3	0.3	-164.10	-19.2	-5.5	20.0	19.4	0.58	34.290		
300.0	300.0	300.0	300.0	0.5	0.5	-164.10	-19.2	-5.5	20.0	19.1	0.93	21.448	CC, ES	
400.0	400.0	400.3	400.3	0.6	0.6	116.40	-19.2	-2.8	20.4	19.1	1.29	15.794		
500.0	499.6	500.6	500.2	0.9	0.9	114.97	-19.1	5.0	21.7	20.0	1.71	12.694		
600.0	598.8	600.8	599.6	1.1	1.1	112.93	-18.9	18.2	23.9	21.6	2.24	10.667		
700.0	697.1	701.1	698.1	1.5	1.5	110.59	-18.6	36.5	27.0	24.0	2.92	9.239		
800.0	795.0	801.0	795.9	1.8	1.9	108.04	-18.3	57.1	30.4	26.7	3.65	8.313		
900.0	892.9	900.9	893.7	2.2	2.2	106.01	-18.0	77.8	33.8	29.4	4.42	7.660		
1,000.0	990.9	1,000.9	991.5	2.6	2.6	104.36	-17.7	98.4	37.3	32.1	5.20	7.184		
1,100.0	1,088.8	1,100.8	1,089.2	3.0	3.0	102.99	-17.3	119.0	40.8	34.9	5.98	6.827		
1,200.0	1,186.7	1,200.7	1,187.0	3.4	3.4	101.84	-17.0	139.7	44.4	37.6	6.78	6.550		
1,300.0	1,284.6	1,300.7	1,284.8	3.8	3.8	100.86	-16.7	160.3	47.9	40.4	7.57	6.331		
1,400.0	1,382.5	1,400.6	1,382.6	4.2	4.2	100.02	-16.4	181.0	51.5	43.1	8.37	6.153		
1,500.0	1,480.5	1,500.5	1,480.3	4.6	4.6	99.29	-16.1	201.6	55.1	45.9	9.17	6.006		
1,600.0	1,578.4	1,600.5	1,578.1	5.0	5.0	98.64	-15.8	222.2	58.7	48.7	9.97	5.883		
1,700.0	1,676.3	1,700.4	1,675.9	5.4	5.4	98.07	-15.5	242.9	62.3	51.5	10.77	5.778		
1,800.0	1,774.2	1,800.3	1,773.7	5.8	5.8	97.56	-15.2	263.5	65.9	54.3	11.58	5.689		
1,900.0	1,872.2	1,900.3	1,871.5	6.2	6.3	97.11	-14.9	284.2	69.5	57.1	12.38	5.611		
2,000.0	1,970.1	2,000.2	1,969.2	6.6	6.7	96.69	-14.5	304.8	73.1	59.9	13.18	5.543		
2,100.0	2,068.0	2,100.1	2,067.0	7.0	7.1	96.32	-14.2	325.4	76.7	62.7	13.99	5.482		
2,200.0	2,165.9	2,200.1	2,164.8	7.4	7.5	95.98	-13.9	346.1	80.3	65.5	14.79	5.429		
2,300.0	2,263.9	2,300.0	2,262.6	7.8	7.9	95.67	-13.6	366.7	83.9	68.3	15.59	5.381		
2,400.0	2,361.8	2,399.9	2,360.3	8.2	8.3	95.39	-13.3	387.4	87.5	71.1	16.39	5.338		
2,500.0	2,459.7	2,499.9	2,458.1	8.6	8.7	95.13	-13.0	408.0	91.1	73.9	17.20	5.299		
2,600.0	2,557.6	2,599.8	2,555.9	9.0	9.1	94.89	-12.7	428.7	94.8	76.8	18.00	5.264		
2,700.0	2,655.6	2,699.7	2,653.7	9.4	9.5	94.66	-12.4	449.3	98.4	79.6	18.80	5.232		
2,800.0	2,753.5	2,799.7	2,751.5	9.8	9.9	94.46	-12.0	469.9	102.0	82.4	19.61	5.203		
2,900.0	2,851.4	2,899.6	2,849.2	10.2	10.3	94.26	-11.7	490.6	105.6	85.2	20.41	5.176		
3,000.0	2,949.3	2,999.5	2,947.0	10.6	10.7	94.08	-11.4	511.2	109.3	88.0	21.21	5.151		
3,100.0	3,047.2	3,099.5	3,044.8	11.0	11.1	93.91	-11.1	531.9	112.9	90.9	22.01	5.127		
3,200.0	3,145.2	3,199.4	3,142.6	11.4	11.5	93.75	-10.8	552.5	116.5	93.7	22.82	5.106		
3,300.0	3,243.1	3,299.3	3,240.4	11.8	11.9	93.60	-10.5	573.1	120.1	96.5	23.62	5.086		
3,400.0	3,341.0	3,399.3	3,338.1	12.2	12.3	93.46	-10.2	593.8	123.8	99.3	24.42	5.068		
3,500.0	3,438.9	3,499.2	3,435.9	12.6	12.7	93.33	-9.9	614.4	127.4	102.2	25.23	5.050		
3,600.0	3,536.9	3,599.1	3,533.7	13.0	13.2	93.21	-9.6	635.1	131.0	105.0	26.03	5.034		
3,700.0	3,634.8	3,699.1	3,631.5	13.4	13.6	93.09	-9.2	655.7	134.7	107.8	26.83	5.019		
3,800.0	3,732.7	3,799.0	3,729.2	13.8	14.0	92.98	-8.9	676.3	138.3	110.7	27.63	5.005		
3,900.0	3,830.6	3,898.9	3,827.0	14.2	14.4	92.87	-8.6	697.0	141.9	113.5	28.44	4.991		
4,000.0	3,928.6	3,998.9	3,924.8	14.6	14.8	92.77	-8.3	717.6	145.6	116.3	29.24	4.978		
4,100.0	4,026.5	4,098.8	4,022.6	15.0	15.2	92.67	-8.0	738.3	149.2	119.1	30.04	4.966		
4,200.0	4,124.4	4,198.7	4,120.4	15.4	15.6	92.58	-7.7	758.9	152.8	122.0	30.84	4.955		
4,300.0	4,222.3	4,298.7	4,218.1	15.8	16.0	92.50	-7.4	779.5	156.5	124.8	31.64	4.944		
4,400.0	4,320.2	4,398.6	4,315.9	16.2	16.4	92.41	-7.1	800.2	160.1	127.6	32.45	4.934		
4,500.0	4,418.2	4,498.5	4,413.7	16.6	16.8	92.33	-6.8	820.8	163.7	130.5	33.25	4.924		
4,600.0	4,516.1	4,598.5	4,511.5	17.0	17.2	92.26	-6.4	841.5	167.4	133.3	34.05	4.915		
4,700.0	4,614.0	4,698.4	4,609.2	17.4	17.6	92.18	-6.1	862.1	171.0	136.1	34.85	4.906		
4,800.0	4,711.9	4,798.3	4,707.0	17.8	18.0	92.11	-5.8	882.8	174.6	139.0	35.66	4.898		
4,900.0	4,809.9	4,898.3	4,804.8	18.2	18.4	92.05	-5.5	903.4	178.3	141.8	36.46	4.890		
5,000.0	4,907.8	4,998.2	4,902.6	18.6	18.9	91.98	-5.2	924.0	181.9	144.6	37.26	4.882		
5,100.0	5,005.7	5,098.1	5,000.4	19.0	19.3	91.92	-4.9	944.7	185.5	147.5	38.06	4.875		

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 UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05C-03 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: O-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,103.6	5,198.1	5,098.1	19.4	19.7	91.86	-4.6	965.3	189.2	150.3	38.86	4.868		
5,300.0	5,201.6	5,298.0	5,195.9	19.8	20.1	91.80	-4.3	986.0	192.8	153.1	39.67	4.861		
5,400.0	5,299.5	5,397.9	5,293.7	20.2	20.5	91.75	-4.0	1,006.6	196.4	156.0	40.47	4.854		
5,500.0	5,397.4	5,497.9	5,391.5	20.6	20.9	91.70	-3.6	1,027.2	200.1	158.8	41.27	4.848		
5,600.0	5,495.3	5,597.8	5,489.3	21.0	21.3	91.65	-3.3	1,047.9	203.7	161.7	42.07	4.842		
5,700.0	5,593.2	5,697.7	5,587.0	21.4	21.7	91.60	-3.0	1,068.5	207.4	164.5	42.87	4.836		
5,800.0	5,691.2	5,797.7	5,684.8	21.8	22.1	91.55	-2.7	1,089.2	211.0	167.3	43.68	4.831		
5,900.0	5,789.1	5,897.6	5,782.6	22.2	22.5	91.50	-2.4	1,109.8	214.6	170.2	44.48	4.826		
6,000.0	5,887.0	5,997.5	5,880.4	22.6	22.9	91.46	-2.1	1,130.4	218.3	173.0	45.28	4.821		
6,100.0	5,984.9	6,097.5	5,978.1	23.0	23.3	91.41	-1.8	1,151.1	221.9	175.8	46.08	4.816		
6,200.0	6,082.9	6,197.4	6,075.9	23.4	23.7	91.37	-1.5	1,171.7	225.5	178.7	46.88	4.811		
6,300.0	6,180.8	6,297.3	6,173.7	23.8	24.1	91.33	-1.1	1,192.4	229.2	181.5	47.69	4.806		
6,400.0	6,278.7	6,397.3	6,271.5	24.2	24.5	91.29	-0.8	1,213.0	232.8	184.3	48.49	4.802		
6,500.0	6,376.6	6,497.2	6,369.3	24.6	25.0	91.26	-0.5	1,233.7	236.5	187.2	49.29	4.797		
6,600.0	6,474.6	6,597.1	6,467.0	25.0	25.4	91.22	-0.2	1,254.3	240.1	190.0	50.09	4.793		
6,700.0	6,572.5	6,697.1	6,564.8	25.4	25.8	91.18	0.1	1,274.9	243.7	192.8	50.89	4.789		
6,800.0	6,670.4	6,797.0	6,662.6	25.8	26.2	91.15	0.4	1,295.6	247.4	195.7	51.70	4.785		
6,900.0	6,768.3	6,896.9	6,760.4	26.2	26.6	91.12	0.7	1,316.2	251.0	198.5	52.50	4.782		
7,000.0	6,866.2	6,996.9	6,858.1	26.6	27.0	91.08	1.0	1,336.9	254.7	201.4	53.30	4.778		
7,100.0	6,964.2	7,096.8	6,955.9	27.0	27.4	91.05	1.3	1,357.5	258.3	204.2	54.10	4.774		
7,200.0	7,062.5	7,198.8	7,056.2	27.3	27.7	91.22	1.6	1,376.0	261.5	206.7	54.78	4.774		
7,300.0	7,161.6	7,301.0	7,157.5	27.6	28.0	91.39	1.8	1,389.2	263.8	208.5	55.27	4.773		
7,400.0	7,261.2	7,403.1	7,259.3	27.7	28.1	91.54	1.9	1,396.9	265.1	209.5	55.60	4.769		
7,500.0	7,361.2	7,505.0	7,361.2	27.8	28.2	91.67	2.0	1,399.2	265.6	209.8	55.77	4.761		
7,600.0	7,461.2	7,605.0	7,461.2	27.9	28.3	-68.84	2.0	1,399.2	265.5	209.6	55.93	4.748		
7,700.0	7,561.2	7,704.9	7,561.1	28.0	28.4	-68.84	1.9	1,399.2	265.5	209.4	56.10	4.734		
7,800.0	7,661.2	7,804.9	7,661.1	28.1	28.5	-68.85	1.9	1,399.1	265.5	209.3	56.26	4.720		
7,900.0	7,761.2	7,904.8	7,761.0	28.1	28.5	-68.86	1.8	1,398.9	265.5	209.1	56.42	4.706		
8,000.0	7,861.2	8,004.8	7,861.0	28.2	28.6	-68.87	1.7	1,398.8	265.5	208.9	56.59	4.692		
8,100.0	7,961.2	8,104.8	7,961.0	28.3	28.7	-68.88	1.6	1,398.6	265.5	208.7	56.75	4.678		
8,200.0	8,061.2	8,204.7	8,060.9	28.4	28.8	-68.89	1.5	1,398.4	265.5	208.5	56.92	4.664		
8,300.0	8,161.2	8,304.7	8,160.9	28.5	28.9	-68.91	1.3	1,398.1	265.4	208.4	57.08	4.650		
8,400.0	8,261.2	8,404.7	8,260.9	28.5	28.9	-68.93	1.1	1,397.8	265.4	208.2	57.25	4.636		
8,500.0	8,361.2	8,504.6	8,360.8	28.6	29.0	-68.95	0.9	1,397.5	265.4	207.9	57.41	4.622		
8,600.0	8,461.2	8,604.6	8,460.8	28.7	29.1	-68.97	0.7	1,397.1	265.3	207.7	57.58	4.608		
8,700.0	8,561.2	8,704.5	8,560.7	28.8	29.2	-68.99	0.5	1,396.7	265.3	207.5	57.74	4.594		
8,800.0	8,661.2	8,804.5	8,660.7	28.9	29.3	-69.02	0.2	1,396.3	265.2	207.3	57.91	4.580		
8,900.0	8,761.2	8,904.5	8,760.7	29.0	29.4	-69.04	0.0	1,395.8	265.2	207.1	58.08	4.566		
9,000.0	8,861.2	9,004.4	8,860.6	29.0	29.5	-69.06	-0.3	1,395.3	265.2	206.9	58.25	4.552		
9,100.0	8,961.2	9,104.4	8,960.6	29.1	29.5	-69.07	-0.6	1,394.8	265.1	206.7	58.42	4.539		
9,142.6	9,003.8	9,147.0	9,003.2	29.2	29.6	-69.07	-0.8	1,394.6	265.1	206.7	58.49	4.533		
9,200.0	9,061.2	9,204.4	9,060.5	29.2	29.6	-69.07	-1.0	1,394.2	265.1	206.6	58.59	4.525		
9,300.0	9,161.2	9,304.3	9,160.5	29.3	29.7	-69.06	-1.3	1,393.6	265.2	206.4	58.76	4.512		
9,400.0	9,261.2	9,404.3	9,260.5	29.4	29.8	-69.04	-1.7	1,393.0	265.2	206.2	58.94	4.499		
9,500.0	9,361.2	9,504.3	9,360.5	29.5	29.9	-69.03	-2.1	1,392.4	265.2	206.1	59.12	4.486		
9,600.0	9,461.2	9,604.3	9,460.5	29.6	30.0	-69.02	-2.4	1,391.7	265.2	205.9	59.29	4.473		
9,700.0	9,561.2	9,704.3	9,560.5	29.7	30.1	-69.00	-2.8	1,391.1	265.3	205.8	59.47	4.460		
9,800.0	9,661.2	9,804.3	9,660.5	29.8	30.1	-68.99	-3.2	1,390.5	265.3	205.6	59.65	4.447		
9,900.0	9,761.2	9,904.3	9,760.5	29.8	30.2	-68.98	-3.5	1,389.9	265.3	205.5	59.84	4.434		
10,000.0	9,861.2	10,004.3	9,860.5	29.9	30.3	-68.96	-3.9	1,389.3	265.3	205.3	60.02	4.421		
10,100.0	9,961.2	10,104.3	9,960.5	30.0	30.4	-68.95	-4.3	1,388.6	265.4	205.1	60.21	4.407		
10,200.0	10,061.2	10,204.3	10,060.5	30.1	30.5	-68.93	-4.6	1,388.0	265.4	205.0	60.39	4.394		

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 UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05C-03 H04 596 - DD - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			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	
10,300.0	10,161.2	10,304.3	10,160.5	30.2	30.6	-68.92	-5.0	1,387.4	265.4	204.8	60.58	4.381	
10,400.0	10,261.2	10,404.3	10,260.5	30.3	30.7	-68.91	-5.4	1,386.8	265.4	204.6	60.77	4.367	
10,500.0	10,361.2	10,504.3	10,360.5	30.4	30.8	-68.89	-5.7	1,386.1	265.4	204.5	60.97	4.354	
10,600.0	10,461.1	10,604.3	10,460.5	30.5	30.9	-68.88	-6.1	1,385.5	265.5	204.3	61.16	4.341	
10,700.0	10,561.1	10,704.3	10,560.5	30.6	31.0	-68.87	-6.5	1,384.9	265.5	204.1	61.35	4.327	
10,800.0	10,661.1	10,804.3	10,660.5	30.7	31.1	-68.85	-6.8	1,384.3	265.5	204.0	61.55	4.314	
10,900.0	10,761.1	10,904.3	10,760.5	30.8	31.2	-68.84	-7.2	1,383.6	265.5	203.8	61.74	4.301	
11,000.0	10,861.1	11,004.3	10,860.4	30.9	31.3	-68.83	-7.6	1,383.0	265.6	203.6	61.94	4.287	
11,100.0	10,961.1	11,104.3	10,960.4	31.0	31.4	-68.81	-7.9	1,382.4	265.6	203.4	62.14	4.274	
11,200.0	11,061.1	11,204.3	11,060.4	31.1	31.5	-68.80	-8.3	1,381.8	265.6	203.3	62.34	4.260	
11,300.0	11,161.1	11,304.3	11,160.4	31.2	31.6	-68.78	-8.7	1,381.1	265.6	203.1	62.55	4.247	
11,400.0	11,261.1	11,404.3	11,260.4	31.3	31.7	-68.77	-9.0	1,380.5	265.7	202.9	62.75	4.234	
11,500.0	11,361.1	11,504.3	11,360.4	31.4	31.8	-68.76	-9.4	1,379.9	265.7	202.7	62.95	4.220	
11,600.0	11,461.1	11,604.3	11,460.4	31.5	31.9	-68.74	-9.8	1,379.3	265.7	202.5	63.16	4.207	
11,700.0	11,561.1	11,704.3	11,560.4	31.6	32.0	-68.73	-10.1	1,378.7	265.7	202.4	63.37	4.193	
11,800.0	11,661.1	11,804.3	11,660.4	31.7	32.1	-68.72	-10.5	1,378.0	265.8	202.2	63.58	4.180	
11,900.0	11,761.1	11,904.3	11,760.4	31.8	32.2	-68.70	-10.9	1,377.4	265.8	202.0	63.79	4.167	
12,000.0	11,861.1	12,004.3	11,860.4	31.9	32.3	-68.69	-11.2	1,376.8	265.8	201.8	64.00	4.153	
12,100.0	11,961.1	12,104.3	11,960.4	32.0	32.4	-68.68	-11.6	1,376.2	265.8	201.6	64.21	4.140	
12,200.0	12,061.1	12,204.3	12,060.4	32.1	32.5	-68.66	-12.0	1,375.5	265.9	201.4	64.42	4.127	
12,300.0	12,161.1	12,304.3	12,160.4	32.3	32.6	-68.65	-12.3	1,374.9	265.9	201.2	64.64	4.113	
12,400.0	12,261.1	12,404.3	12,260.4	32.4	32.7	-68.64	-12.7	1,374.3	265.9	201.0	64.86	4.100	
12,500.0	12,361.1	12,504.3	12,360.4	32.5	32.8	-68.62	-13.1	1,373.7	265.9	200.9	65.07	4.087	
12,600.0	12,461.1	12,604.3	12,460.4	32.6	32.9	-68.61	-13.4	1,373.0	265.9	200.7	65.29	4.073	
12,700.0	12,561.1	12,704.3	12,560.4	32.7	33.0	-68.59	-13.8	1,372.4	266.0	200.5	65.51	4.060	
12,800.0	12,661.1	12,804.3	12,660.4	32.8	33.2	-68.58	-14.2	1,371.8	266.0	200.3	65.73	4.047	
12,900.0	12,761.1	12,904.3	12,760.4	32.9	33.3	-68.57	-14.5	1,371.2	266.0	200.1	65.95	4.034	
12,958.8	12,819.9	12,963.1	12,819.2	33.0	33.3	-68.56	-14.7	1,370.8	266.0	200.0	66.08	4.026	
13,000.0	12,861.1	13,000.0	12,856.1	33.0	33.4	-68.55	-14.9	1,370.6	266.1	199.9	66.17	4.021 SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05D-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 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	-164.10	-38.4	-11.0	40.0					
100.0	100.0	100.0	100.0	0.1	0.1	-164.10	-38.4	-11.0	40.0	39.7	0.23	170.940		
200.0	200.0	200.0	200.0	0.3	0.3	-164.10	-38.4	-11.0	40.0	39.4	0.58	68.581		
300.0	300.0	300.0	300.0	0.5	0.5	-164.10	-38.4	-11.0	40.0	39.0	0.93	42.895 CC, ES		
400.0	400.0	399.8	399.8	0.6	0.6	116.50	-39.3	-8.5	41.4	40.1	1.29	32.000		
500.0	499.6	500.1	499.8	0.9	0.9	115.42	-41.4	-1.0	44.8	43.1	1.71	26.191		
600.0	598.8	600.4	599.2	1.1	1.1	113.95	-43.9	11.8	49.7	47.5	2.24	22.193		
700.0	697.1	700.5	697.6	1.5	1.5	112.28	-46.9	29.7	56.0	53.1	2.92	19.192		
800.0	795.0	800.3	795.2	1.8	1.9	110.21	-50.2	50.4	62.9	59.2	3.65	17.223		
900.0	892.9	900.0	892.7	2.2	2.3	108.54	-53.4	71.1	69.8	65.4	4.41	15.828		
1,000.0	990.9	999.8	990.2	2.6	2.6	107.18	-56.7	91.8	76.8	71.6	5.18	14.810		
1,100.0	1,088.8	1,099.5	1,087.7	3.0	3.0	106.04	-59.9	112.5	83.8	77.8	5.97	14.042		
1,200.0	1,186.7	1,199.2	1,185.2	3.4	3.5	105.07	-63.2	133.2	90.8	84.1	6.76	13.445		
1,300.0	1,284.6	1,299.0	1,282.7	3.8	3.9	104.25	-66.4	154.0	97.9	90.3	7.55	12.970		
1,400.0	1,382.5	1,398.7	1,380.2	4.2	4.3	103.53	-69.7	174.7	105.0	96.6	8.34	12.583		
1,500.0	1,480.5	1,498.5	1,477.7	4.6	4.7	102.91	-73.0	195.4	112.1	102.9	9.14	12.264		
1,600.0	1,578.4	1,598.2	1,575.3	5.0	5.1	102.36	-76.2	216.1	119.2	109.2	9.93	11.995		
1,700.0	1,676.3	1,697.9	1,672.8	5.4	5.5	101.87	-79.5	236.8	126.3	115.5	10.73	11.766		
1,800.0	1,774.2	1,797.7	1,770.3	5.8	5.9	101.44	-82.7	257.5	133.4	121.9	11.53	11.569		
1,900.0	1,872.2	1,897.4	1,867.8	6.2	6.3	101.05	-86.0	278.2	140.5	128.2	12.33	11.398		
2,000.0	1,970.1	1,997.2	1,965.3	6.6	6.7	100.69	-89.2	298.9	147.6	134.5	13.13	11.247		
2,100.0	2,068.0	2,096.9	2,062.8	7.0	7.1	100.37	-92.5	319.7	154.8	140.9	13.93	11.115		
2,200.0	2,165.9	2,196.7	2,160.3	7.4	7.5	100.08	-95.7	340.4	161.9	147.2	14.73	10.996		
2,300.0	2,263.9	2,296.4	2,257.9	7.8	8.0	99.81	-99.0	361.1	169.1	153.5	15.52	10.890		
2,400.0	2,361.8	2,396.1	2,355.4	8.2	8.4	99.57	-102.3	381.8	176.2	159.9	16.32	10.795		
2,500.0	2,459.7	2,495.9	2,452.9	8.6	8.8	99.34	-105.5	402.5	183.4	166.2	17.12	10.709		
2,600.0	2,557.6	2,595.6	2,550.4	9.0	9.2	99.13	-108.8	423.2	190.5	172.6	17.92	10.630		
2,700.0	2,655.6	2,695.4	2,647.9	9.4	9.6	98.93	-112.0	443.9	197.7	179.0	18.72	10.559		
2,800.0	2,753.5	2,795.1	2,745.4	9.8	10.0	98.75	-115.3	464.6	204.8	185.3	19.52	10.493		
2,900.0	2,851.4	2,894.8	2,842.9	10.2	10.4	98.58	-118.5	485.4	212.0	191.7	20.32	10.432		
3,000.0	2,949.3	2,994.6	2,940.4	10.6	10.8	98.43	-121.8	506.1	219.2	198.0	21.12	10.377		
3,100.0	3,047.2	3,094.3	3,038.0	11.0	11.2	98.28	-125.0	526.8	226.3	204.4	21.92	10.325		
3,200.0	3,145.2	3,194.1	3,135.5	11.4	11.7	98.14	-128.3	547.5	233.5	210.8	22.72	10.277		
3,300.0	3,243.1	3,293.8	3,233.0	11.8	12.1	98.01	-131.5	568.2	240.7	217.1	23.52	10.232		
3,400.0	3,341.0	3,393.6	3,330.5	12.2	12.5	97.89	-134.8	588.9	247.8	223.5	24.32	10.191		
3,500.0	3,438.9	3,493.3	3,428.0	12.6	12.9	97.77	-138.1	609.6	255.0	229.9	25.12	10.152		
3,600.0	3,536.9	3,593.0	3,525.5	13.0	13.3	97.66	-141.3	630.3	262.2	236.3	25.92	10.115		
3,700.0	3,634.8	3,692.8	3,623.0	13.4	13.7	97.56	-144.6	651.1	269.3	242.6	26.72	10.081		
3,800.0	3,732.7	3,792.5	3,720.5	13.8	14.1	97.46	-147.8	671.8	276.5	249.0	27.52	10.049		
3,900.0	3,830.6	3,892.3	3,818.1	14.2	14.5	97.37	-151.1	692.5	283.7	255.4	28.32	10.019		
4,000.0	3,928.6	3,992.0	3,915.6	14.6	14.9	97.28	-154.3	713.2	290.9	261.7	29.12	9.990		
4,100.0	4,026.5	4,091.7	4,013.1	15.0	15.4	97.19	-157.6	733.9	298.0	268.1	29.92	9.963		
4,200.0	4,124.4	4,191.5	4,110.6	15.4	15.8	97.11	-160.8	754.6	305.2	274.5	30.71	9.937		
4,300.0	4,222.3	4,291.2	4,208.1	15.8	16.2	97.03	-164.1	775.3	312.4	280.9	31.51	9.913		
4,400.0	4,320.2	4,391.0	4,305.6	16.2	16.6	96.96	-167.4	796.0	319.6	287.2	32.31	9.890		
4,500.0	4,418.2	4,490.7	4,403.1	16.6	17.0	96.89	-170.6	816.8	326.7	293.6	33.11	9.868		
4,600.0	4,516.1	4,590.4	4,500.6	17.0	17.4	96.82	-173.9	837.5	333.9	300.0	33.91	9.847		
4,700.0	4,614.0	4,690.2	4,598.2	17.4	17.8	96.76	-177.1	858.2	341.1	306.4	34.71	9.827		
4,800.0	4,711.9	4,789.9	4,695.7	17.8	18.2	96.70	-180.4	878.9	348.3	312.8	35.51	9.808		
4,900.0	4,809.9	4,889.7	4,793.2	18.2	18.7	96.64	-183.6	899.6	355.4	319.1	36.31	9.789		
5,000.0	4,907.8	4,989.4	4,890.7	18.6	19.1	96.58	-186.9	920.3	362.6	325.5	37.11	9.772		
5,100.0	5,005.7	5,089.2	4,988.2	19.0	19.5	96.53	-190.1	941.0	369.8	331.9	37.91	9.755		

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 UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05D-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,103.6	5,188.9	5,085.7	19.4	19.9	96.47	-193.4	961.7	377.0	338.3	38.71	9.739		
5,300.0	5,201.6	5,288.6	5,183.2	19.8	20.3	96.42	-196.7	982.5	384.2	344.7	39.51	9.724		
5,400.0	5,299.5	5,388.4	5,280.7	20.2	20.7	96.37	-199.9	1,003.2	391.3	351.0	40.31	9.710		
5,500.0	5,397.4	5,488.1	5,378.3	20.6	21.1	96.33	-203.2	1,023.9	398.5	357.4	41.10	9.695		
5,600.0	5,495.3	5,587.9	5,475.8	21.0	21.5	96.28	-206.4	1,044.6	405.7	363.8	41.90	9.682		
5,700.0	5,593.2	5,687.6	5,573.3	21.4	22.0	96.24	-209.7	1,065.3	412.9	370.2	42.70	9.669		
5,800.0	5,691.2	5,787.3	5,670.8	21.8	22.4	96.20	-212.9	1,086.0	420.1	376.6	43.50	9.656		
5,900.0	5,789.1	5,887.1	5,768.3	22.2	22.8	96.15	-216.2	1,106.7	427.2	382.9	44.30	9.644		
6,000.0	5,887.0	5,986.8	5,865.8	22.6	23.2	96.12	-219.4	1,127.4	434.4	389.3	45.10	9.633		
6,100.0	5,984.9	6,086.6	5,963.3	23.0	23.6	96.08	-222.7	1,148.2	441.6	395.7	45.90	9.621		
6,200.0	6,082.9	6,186.3	6,060.8	23.4	24.0	96.04	-226.0	1,168.9	448.8	402.1	46.70	9.610		
6,300.0	6,180.8	6,286.1	6,158.4	23.8	24.4	96.00	-229.2	1,189.6	456.0	408.5	47.50	9.600		
6,400.0	6,278.7	6,385.8	6,255.9	24.2	24.8	95.97	-232.5	1,210.3	463.2	414.9	48.30	9.590		
6,500.0	6,376.6	6,485.5	6,353.4	24.6	25.2	95.94	-235.7	1,231.0	470.3	421.2	49.10	9.580		
6,600.0	6,474.6	6,585.3	6,450.9	25.0	25.7	95.90	-239.0	1,251.7	477.5	427.6	49.89	9.571		
6,700.0	6,572.5	6,685.0	6,548.4	25.4	26.1	95.87	-242.2	1,272.4	484.7	434.0	50.69	9.561		
6,800.0	6,670.4	6,784.8	6,645.9	25.8	26.5	95.84	-245.5	1,293.1	491.9	440.4	51.49	9.553		
6,900.0	6,768.3	6,884.5	6,743.4	26.2	26.9	95.81	-248.7	1,313.9	499.1	446.8	52.29	9.544 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05E-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		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	-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 CC		
300.0	300.0	299.7	299.7	0.5	0.5	-166.28	-48.2	-11.8	49.6	48.7	0.93	53.286 ES		
400.0	400.0	399.0	398.7	0.6	0.7	109.96	-50.9	-5.6	52.0	50.7	1.32	39.427		
500.0	499.6	497.9	497.0	0.9	0.9	105.67	-55.6	5.2	57.9	56.1	1.78	32.428		
600.0	598.8	596.4	593.9	1.1	1.3	102.34	-62.2	20.6	67.0	64.6	2.37	28.295		
700.0	697.1	694.8	690.1	1.5	1.7	100.34	-70.7	40.2	79.0	75.9	3.06	25.786		
800.0	795.0	794.0	786.7	1.8	2.1	99.94	-79.5	60.5	91.8	87.9	3.80	24.128		
900.0	892.9	893.2	883.4	2.2	2.5	99.64	-88.4	80.9	104.5	100.0	4.56	22.922		
1,000.0	990.9	992.4	980.0	2.6	2.9	99.41	-97.2	101.3	117.3	112.0	5.33	22.019		
1,100.0	1,088.8	1,091.6	1,076.7	3.0	3.3	99.22	-106.0	121.7	130.1	124.0	6.10	21.322		
1,200.0	1,186.7	1,190.7	1,173.4	3.4	3.8	99.06	-114.9	142.1	142.8	136.0	6.88	20.770		
1,300.0	1,284.6	1,289.9	1,270.0	3.8	4.2	98.93	-123.7	162.5	155.6	147.9	7.66	20.322		
1,400.0	1,382.5	1,389.1	1,366.7	4.2	4.6	98.82	-132.5	182.9	168.4	159.9	8.44	19.953		
1,500.0	1,480.5	1,488.3	1,463.3	4.6	5.1	98.73	-141.3	203.3	181.1	171.9	9.22	19.643		
1,600.0	1,578.4	1,587.5	1,560.0	5.0	5.5	98.65	-150.2	223.7	193.9	183.9	10.01	19.380		
1,700.0	1,676.3	1,686.6	1,656.7	5.4	5.9	98.58	-159.0	244.0	206.7	195.9	10.79	19.153		
1,800.0	1,774.2	1,785.8	1,753.3	5.8	6.3	98.51	-167.8	264.4	219.5	207.9	11.58	18.956		
1,900.0	1,872.2	1,885.0	1,850.0	6.2	6.8	98.46	-176.7	284.8	232.2	219.9	12.36	18.783		
2,000.0	1,970.1	1,984.2	1,946.6	6.6	7.2	98.41	-185.5	305.2	245.0	231.9	13.15	18.631		
2,100.0	2,068.0	2,083.4	2,043.3	7.0	7.6	98.36	-194.3	325.6	257.8	243.9	13.94	18.495		
2,200.0	2,165.9	2,182.5	2,140.0	7.4	8.1	98.32	-203.2	346.0	270.6	255.8	14.73	18.373		
2,300.0	2,263.9	2,281.7	2,236.6	7.8	8.5	98.28	-212.0	366.4	283.3	267.8	15.51	18.263		
2,400.0	2,361.8	2,380.9	2,333.3	8.2	8.9	98.25	-220.8	386.8	296.1	279.8	16.30	18.164		
2,500.0	2,459.7	2,480.1	2,429.9	8.6	9.4	98.22	-229.6	407.2	308.9	291.8	17.09	18.073		
2,600.0	2,557.6	2,579.3	2,526.6	9.0	9.8	98.19	-238.5	427.5	321.7	303.8	17.88	17.991		
2,700.0	2,655.6	2,678.4	2,623.3	9.4	10.2	98.16	-247.3	447.9	334.4	315.8	18.67	17.915		
2,800.0	2,753.5	2,777.6	2,719.9	9.8	10.7	98.14	-256.1	468.3	347.2	327.8	19.46	17.845		
2,900.0	2,851.4	2,876.8	2,816.6	10.2	11.1	98.11	-265.0	488.7	360.0	339.7	20.25	17.781		
3,000.0	2,949.3	2,976.0	2,913.2	10.6	11.5	98.09	-273.8	509.1	372.8	351.7	21.04	17.721		
3,100.0	3,047.2	3,075.2	3,009.9	11.0	12.0	98.07	-282.6	529.5	385.5	363.7	21.82	17.666		
3,200.0	3,145.2	3,174.3	3,106.6	11.4	12.4	98.05	-291.5	549.9	398.3	375.7	22.61	17.614		
3,300.0	3,243.1	3,273.5	3,203.2	11.8	12.8	98.04	-300.3	570.3	411.1	387.7	23.40	17.566		
3,400.0	3,341.0	3,372.7	3,299.9	12.2	13.2	98.02	-309.1	590.7	423.9	399.7	24.19	17.521		
3,500.0	3,438.9	3,471.9	3,396.5	12.6	13.7	98.00	-317.9	611.1	436.7	411.7	24.98	17.479		
3,600.0	3,536.9	3,571.1	3,493.2	13.0	14.1	97.99	-326.8	631.4	449.4	423.7	25.77	17.439		
3,700.0	3,634.8	3,670.2	3,589.9	13.4	14.5	97.98	-335.6	651.8	462.2	435.6	26.56	17.402		
3,800.0	3,732.7	3,769.4	3,686.5	13.8	15.0	97.96	-344.4	672.2	475.0	447.6	27.35	17.367		
3,900.0	3,830.6	3,868.6	3,783.2	14.2	15.4	97.95	-353.3	692.6	487.8	459.6	28.14	17.333 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF06B-04 H04 596 - DD - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
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 CC, ES	
300.0	300.0	299.2	299.1	0.5	0.5	-132.71	-16.1	-17.4	23.7	22.8	0.94	25.350	
400.0	400.0	397.5	397.2	0.6	0.7	160.33	-15.8	-25.1	32.2	30.9	1.29	24.914 SF	
500.0	499.6	493.5	492.4	0.9	1.0	170.79	-15.4	-37.4	51.2	49.6	1.64	31.262	
600.0	598.8	585.8	583.2	1.1	1.3	176.78	-14.8	-53.7	80.7	78.7	1.97	41.012	
700.0	697.1	673.3	668.4	1.5	1.7	-179.91	-14.1	-73.2	119.7	117.4	2.28	52.481	
800.0	795.0	756.3	748.5	1.8	2.1	-177.96	-13.3	-95.3	164.8	162.2	2.60	63.375	
900.0	892.9	835.7	824.1	2.2	2.6	-176.67	-12.4	-119.6	213.7	210.8	2.92	73.317	
1,000.0	990.9	911.4	895.1	2.6	3.1	-175.74	-11.4	-145.8	266.2	262.9	3.22	82.559	
1,100.0	1,088.8	983.4	961.7	3.0	3.6	-175.03	-10.4	-173.2	321.9	318.3	3.53	91.252	
1,200.0	1,186.7	1,051.9	1,023.9	3.4	4.2	-174.47	-9.4	-201.6	380.6	376.8	3.82	99.508	
1,300.0	1,284.6	1,116.8	1,082.0	3.8	4.8	-174.02	-8.4	-230.6	442.1	438.0	4.12	107.408	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft) +E/-W (ft)		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-150.14	-35.4	-20.3	40.8					
100.0	100.0	100.0	100.0	0.1	0.1	-150.14	-35.4	-20.3	40.8	40.6	0.23	174.665		
200.0	200.0	200.0	200.0	0.3	0.3	-150.14	-35.4	-20.3	40.8	40.3	0.58	70.075 CC, ES		
300.0	300.0	298.2	298.2	0.5	0.5	-148.15	-36.5	-22.6	43.0	42.0	0.94	45.877		
400.0	400.0	395.6	395.3	0.6	0.7	139.51	-39.5	-29.5	51.5	50.2	1.29	39.975 SF		
500.0	499.6	490.7	489.6	0.9	1.0	148.00	-44.4	-40.5	69.5	67.9	1.64	42.375		
600.0	598.8	582.2	579.7	1.1	1.3	154.67	-50.9	-55.2	97.8	95.8	1.98	49.411		
700.0	697.1	674.3	669.8	1.5	1.6	159.35	-58.6	-72.3	134.2	131.9	2.31	58.151		
800.0	795.0	766.1	759.7	1.8	2.0	162.51	-66.2	-89.5	173.0	170.4	2.64	65.560		
900.0	892.9	857.9	849.5	2.2	2.3	164.52	-73.8	-106.7	212.2	209.2	2.97	71.398		
1,000.0	990.9	949.7	939.4	2.6	2.7	165.91	-81.5	-123.8	251.5	248.2	3.31	76.095		
1,100.0	1,088.8	1,041.5	1,029.3	3.0	3.1	166.92	-89.1	-141.0	290.9	287.3	3.64	79.946		
1,200.0	1,186.7	1,133.3	1,119.1	3.4	3.4	167.69	-96.7	-158.2	330.3	326.4	3.97	83.156		
1,300.0	1,284.6	1,225.1	1,209.0	3.8	3.8	168.29	-104.4	-175.3	369.8	365.5	4.31	85.871		
1,400.0	1,382.5	1,316.9	1,298.9	4.2	4.2	168.78	-112.0	-192.5	409.4	404.7	4.64	88.195		
1,500.0	1,480.5	1,408.8	1,388.7	4.6	4.5	169.18	-119.6	-209.7	448.9	443.9	4.98	90.206		
1,600.0	1,578.4	1,500.6	1,478.6	5.0	4.9	169.52	-127.3	-226.8	488.5	483.1	5.31	91.962		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07A-04 H04 596 - DD - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	-30.11	12.1	-7.0	14.0				
100.0	100.0	100.0	100.0	0.1	0.1	-30.11	12.1	-7.0	14.0	13.8	0.23	60.012	
200.0	200.0	200.0	200.0	0.3	0.3	-30.11	12.1	-7.0	14.0	13.5	0.58	24.077	
300.0	300.0	300.0	300.0	0.5	0.5	-30.11	12.1	-7.0	14.0	13.1	0.93	15.059 CC, ES	
400.0	400.0	400.0	400.0	0.6	0.6	-118.49	12.1	-7.0	15.1	13.8	1.29	11.740 SF	
500.0	499.6	498.5	498.5	0.9	0.8	-136.62	13.9	-8.8	22.6	20.9	1.65	13.699	
600.0	598.8	595.2	594.9	1.1	1.0	-148.78	17.8	-14.8	40.3	38.3	2.00	20.130	
700.0	697.1	688.4	687.4	1.5	1.2	-155.63	22.3	-25.0	68.2	65.8	2.35	29.020	
800.0	795.0	778.0	775.8	1.8	1.5	-159.14	27.1	-39.1	102.9	100.2	2.70	38.145	
900.0	892.9	869.0	864.9	2.2	1.8	-160.92	32.4	-56.5	141.1	138.0	3.05	46.217	
1,000.0	990.9	961.3	955.4	2.6	2.2	-161.97	37.8	-74.3	179.4	176.0	3.41	52.606	
1,100.0	1,088.8	1,053.6	1,045.8	3.0	2.5	-162.64	43.2	-92.1	217.8	214.1	3.77	57.759	
1,200.0	1,186.7	1,146.0	1,136.2	3.4	2.9	-163.12	48.6	-109.9	256.2	252.1	4.13	61.997	
1,300.0	1,284.6	1,238.3	1,226.6	3.8	3.2	-163.47	54.0	-127.6	294.7	290.2	4.50	65.541	
1,400.0	1,382.5	1,330.6	1,317.0	4.2	3.6	-163.74	59.4	-145.4	333.1	328.2	4.86	68.547	
1,500.0	1,480.5	1,422.9	1,407.5	4.6	3.9	-163.95	64.8	-163.2	371.5	366.3	5.22	71.127	
1,600.0	1,578.4	1,515.2	1,497.9	5.0	4.3	-164.12	70.2	-181.0	410.0	404.4	5.59	73.366	
1,700.0	1,676.3	1,607.5	1,588.3	5.4	4.7	-164.27	75.6	-198.8	448.4	442.5	5.95	75.326	
1,800.0	1,774.2	1,699.8	1,678.7	5.8	5.0	-164.39	81.1	-216.6	486.9	480.5	6.32	77.057	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07B-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		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	-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		
300.0	300.0	300.0	300.0	0.5	0.5	178.27	-9.0	0.3	9.0	8.1	0.93	9.675		
300.5	300.5	300.6	300.5	0.5	0.5	99.11	-9.0	0.3	9.0	8.1	0.94	9.565 CC, ES		
400.0	400.0	399.8	399.4	0.6	0.7	70.09	-8.8	8.1	10.8	9.5	1.33	8.109 SF		
500.0	499.6	499.2	498.0	0.9	1.0	54.40	-8.3	21.0	15.0	13.2	1.75	8.581		
600.0	598.8	598.4	595.5	1.1	1.3	47.68	-7.7	39.0	20.3	18.1	2.21	9.209		
700.0	697.1	697.2	691.6	1.5	1.8	45.14	-6.9	62.0	26.3	23.6	2.74	9.605		
800.0	795.0	795.5	785.9	1.8	2.3	41.23	-6.0	89.7	35.1	31.8	3.26	10.773		
900.0	892.9	892.7	877.6	2.2	3.0	35.92	-4.9	121.8	48.4	44.8	3.69	13.131		
1,000.0	990.9	988.3	966.1	2.6	3.7	31.19	-3.6	158.0	66.6	62.5	4.06	16.397		
1,100.0	1,088.8	1,081.9	1,050.9	3.0	4.5	27.49	-2.3	197.6	89.6	85.2	4.41	20.332		
1,200.0	1,186.7	1,173.1	1,131.6	3.4	5.3	24.67	-0.8	240.1	117.3	112.6	4.74	24.749		
1,300.0	1,284.6	1,261.7	1,207.8	3.8	6.2	22.52	0.7	285.1	149.6	144.5	5.07	29.507		
1,400.0	1,382.5	1,351.2	1,283.0	4.2	7.2	20.84	2.3	333.6	185.7	180.3	5.40	34.409		
1,500.0	1,480.5	1,444.1	1,360.7	4.6	8.2	19.62	4.1	384.4	222.5	216.8	5.74	38.753		
1,600.0	1,578.4	1,537.0	1,438.5	5.0	9.2	18.74	5.8	435.3	259.4	253.3	6.10	42.551		
1,700.0	1,676.3	1,629.9	1,516.2	5.4	10.2	18.09	7.5	486.1	296.2	289.8	6.45	45.897		
1,800.0	1,774.2	1,722.8	1,594.0	5.8	11.3	17.58	9.3	536.9	333.1	326.3	6.82	48.868		
1,900.0	1,872.2	1,815.7	1,671.7	6.2	12.3	17.17	11.0	587.8	370.1	362.9	7.18	51.523		
2,000.0	1,970.1	1,908.6	1,749.4	6.6	13.3	16.83	12.7	638.6	407.0	399.5	7.55	53.911		
2,100.0	2,068.0	2,001.5	1,827.2	7.0	14.3	16.55	14.5	689.5	444.0	436.1	7.92	56.069		
2,200.0	2,165.9	2,094.4	1,904.9	7.4	15.3	16.32	16.2	740.3	480.9	472.6	8.29	58.029		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07B-04 H04 596 - DD - Plan #2												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
0.0	0.0	0.0	0.0	0.0	0.0	-119.51	-7.1	-12.5	14.4				
100.0	100.0	100.0	100.0	0.1	0.1	-119.51	-7.1	-12.5	14.4	14.1	0.23	61.489	
200.0	200.0	200.0	200.0	0.3	0.3	-119.51	-7.1	-12.5	14.4	13.8	0.58	24.669	
300.0	300.0	300.0	300.0	0.5	0.5	-119.51	-7.1	-12.5	14.4	13.4	0.93	15.430 CC, ES	
400.0	400.0	400.4	400.4	0.6	0.6	163.54	-7.0	-11.9	16.3	15.0	1.28	12.694	
500.0	499.6	500.0	499.9	0.9	0.8	166.24	-6.4	-8.0	20.1	18.5	1.63	12.331 SF	
600.0	598.8	598.2	598.1	1.1	1.0	173.16	-5.4	-8.0	32.6	30.6	1.97	16.570	
700.0	697.1	693.5	693.2	1.5	1.2	178.19	-4.2	-12.7	55.2	52.9	2.30	24.029	
800.0	795.0	785.7	785.0	1.8	1.3	-178.90	-2.7	-21.9	84.6	82.0	2.63	32.111	
900.0	892.9	875.1	873.4	2.2	1.6	-177.03	-1.0	-35.0	118.5	115.6	2.97	39.910	
1,000.0	990.9	964.9	961.6	2.6	1.9	-175.69	1.0	-51.7	156.2	152.9	3.31	47.238	
1,100.0	1,088.8	1,057.2	1,052.2	3.0	2.2	-174.82	3.0	-69.4	194.5	190.8	3.65	53.286	
1,200.0	1,186.7	1,149.6	1,142.8	3.4	2.5	-174.23	5.1	-87.0	232.7	228.8	3.99	58.297	
1,300.0	1,284.6	1,241.9	1,233.5	3.8	2.8	-173.81	7.1	-104.7	271.0	266.7	4.34	62.515	
1,400.0	1,382.5	1,334.3	1,324.1	4.2	3.1	-173.49	9.2	-122.4	309.3	304.7	4.68	66.113	
1,500.0	1,480.5	1,426.7	1,414.7	4.6	3.5	-173.24	11.2	-140.1	347.6	342.6	5.02	69.218	
1,600.0	1,578.4	1,519.0	1,505.3	5.0	3.8	-173.05	13.3	-157.8	386.0	380.6	5.37	71.925	
1,700.0	1,676.3	1,611.4	1,596.0	5.4	4.1	-172.88	15.3	-175.5	424.3	418.6	5.71	74.305	
1,800.0	1,774.2	1,703.8	1,686.6	5.8	4.5	-172.75	17.4	-193.1	462.6	456.5	6.05	76.414	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07C-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-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	125.671		
200.0	200.0	200.0	200.0	0.3	0.3	-164.57	-28.3	-7.8	29.4	28.8	0.58	50.419		
300.0	300.0	300.3	300.2	0.5	0.5	-169.64	-28.4	-5.2	28.9	27.9	0.93	30.928		
338.8	338.8	339.1	338.9	0.5	0.6	107.32	-28.5	-2.8	28.7	27.6	1.10	26.166 CC, ES		
400.0	400.0	400.2	399.9	0.6	0.7	100.81	-28.6	2.7	29.1	27.8	1.34	21.656		
500.0	499.6	500.0	498.8	0.9	1.0	90.93	-29.0	15.7	31.4	29.6	1.84	17.113		
600.0	598.8	599.2	596.3	1.1	1.3	83.06	-29.5	33.7	35.7	33.2	2.44	14.590		
700.0	697.1	698.2	692.6	1.5	1.8	77.42	-30.1	56.8	41.5	38.3	3.17	13.077		
800.0	795.0	796.6	787.0	1.8	2.3	70.47	-30.8	84.6	49.5	45.6	3.91	12.663 SF		
900.0	892.9	893.9	878.7	2.2	3.0	61.78	-31.7	116.8	61.2	56.7	4.55	13.458		
1,000.0	990.9	989.6	967.3	2.6	3.7	53.51	-32.7	153.0	77.7	72.6	5.06	15.338		
1,100.0	1,088.8	1,083.2	1,052.1	3.0	4.5	46.62	-33.7	192.7	99.1	93.7	5.47	18.108		
1,200.0	1,186.7	1,174.4	1,132.7	3.4	5.3	41.19	-34.9	235.3	125.7	119.8	5.83	21.564		
1,300.0	1,284.6	1,262.9	1,208.9	3.8	6.3	37.01	-36.1	280.3	157.0	150.9	6.15	25.519		
1,400.0	1,382.5	1,352.3	1,283.9	4.2	7.2	33.71	-37.4	328.8	192.5	186.0	6.46	29.799		
1,500.0	1,480.5	1,445.0	1,361.5	4.6	8.2	31.27	-38.8	379.6	228.9	222.2	6.79	33.721		
1,600.0	1,578.4	1,537.8	1,439.1	5.0	9.2	29.51	-40.1	430.5	265.7	258.5	7.14	37.214		
1,700.0	1,676.3	1,630.5	1,516.6	5.4	10.3	28.17	-41.5	481.3	302.5	295.0	7.50	40.334		
1,800.0	1,774.2	1,723.3	1,594.2	5.8	11.3	27.12	-42.9	532.1	339.5	331.6	7.87	43.132		
1,900.0	1,872.2	1,816.0	1,671.8	6.2	12.3	26.28	-44.3	582.9	376.6	368.3	8.25	45.652		
2,000.0	1,970.1	1,908.8	1,749.4	6.6	13.3	25.59	-45.6	633.8	413.7	405.1	8.63	47.932		
2,100.0	2,068.0	2,001.5	1,826.9	7.0	14.3	25.01	-47.0	684.6	450.9	441.9	9.02	50.003		
2,200.0	2,165.9	2,094.3	1,904.5	7.4	15.3	24.52	-48.4	735.4	488.1	478.7	9.41	51.892		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07C-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +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	-145.64	-26.3	-18.0	31.9					
100.0	100.0	100.0	100.0	0.1	0.1	-145.64	-26.3	-18.0	31.9	31.6	0.23	136.289		
200.0	200.0	200.0	200.0	0.3	0.3	-145.64	-26.3	-18.0	31.9	31.3	0.58	54.679		
300.0	300.0	300.0	300.0	0.5	0.5	-145.64	-26.3	-18.0	31.9	30.9	0.93	34.200 CC, ES		
400.0	400.0	398.7	398.7	0.6	0.6	141.44	-26.5	-20.5	35.6	34.3	1.28	27.707 SF		
500.0	499.6	495.8	495.5	0.9	0.9	153.38	-27.1	-28.0	48.3	46.6	1.64	29.414		
600.0	598.8	589.9	588.8	1.1	1.1	163.09	-28.1	-39.9	71.6	69.6	1.98	36.115		
700.0	697.1	681.0	678.6	1.5	1.4	169.26	-29.4	-55.5	105.1	102.8	2.30	45.640		
800.0	795.0	773.6	769.6	1.8	1.7	172.90	-30.7	-72.5	142.3	139.6	2.63	54.067		
900.0	892.9	866.2	860.5	2.2	2.0	175.03	-32.1	-89.4	179.7	176.7	2.96	60.721		
1,000.0	990.9	958.7	951.5	2.6	2.4	176.43	-33.5	-106.4	217.3	214.0	3.29	66.078		
1,100.0	1,088.8	1,051.3	1,042.5	3.0	2.7	177.42	-34.8	-123.3	254.9	251.3	3.62	70.475		
1,200.0	1,186.7	1,143.9	1,133.5	3.4	3.0	178.15	-36.2	-140.2	292.6	288.7	3.95	74.144		
1,300.0	1,284.6	1,236.4	1,224.5	3.8	3.4	178.72	-37.6	-157.2	330.4	326.1	4.28	77.250		
1,400.0	1,382.5	1,329.0	1,315.5	4.2	3.7	179.16	-39.0	-174.1	368.2	363.5	4.61	79.911		
1,500.0	1,480.5	1,421.5	1,406.5	4.6	4.0	179.53	-40.3	-191.0	405.9	401.0	4.94	82.217		
1,600.0	1,578.4	1,514.1	1,497.5	5.0	4.4	179.83	-41.7	-208.0	443.7	438.5	5.27	84.233		
1,700.0	1,676.3	1,606.7	1,588.4	5.4	4.7	-179.91	-43.1	-224.9	481.5	475.9	5.60	86.011		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07E-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-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	217.543		
200.0	200.0	200.0	200.0	0.3	0.3	-153.52	-45.5	-22.7	50.9	50.3	0.58	87.278		
300.0	300.0	300.0	300.0	0.5	0.5	-153.52	-45.5	-22.7	50.9	49.9	0.93	54.590	CC, ES	
400.0	400.0	400.0	400.0	0.6	0.6	129.72	-45.5	-22.7	52.5	51.2	1.28	40.884		
500.0	499.6	502.5	502.5	0.9	0.8	135.05	-43.8	-20.6	55.3	53.6	1.66	33.385		
600.0	598.8	604.3	604.0	1.1	1.0	141.62	-39.2	-14.2	57.6	55.6	2.04	28.252		
700.0	697.1	705.7	704.6	1.5	1.3	146.41	-35.4	-2.7	62.0	59.5	2.44	25.346		
800.0	795.0	807.4	804.9	1.8	1.6	147.72	-32.9	14.1	65.5	62.6	2.90	22.608		
900.0	892.9	909.2	904.3	2.2	2.0	145.00	-31.6	36.0	66.1	62.7	3.46	19.091		
1,000.0	990.9	1,010.5	1,001.9	2.6	2.5	138.13	-31.7	62.9	64.6	60.4	4.27	15.127		
1,100.0	1,088.8	1,110.7	1,097.0	3.0	3.0	126.53	-33.0	94.4	62.8	57.3	5.45	11.516		
1,131.6	1,119.7	1,142.1	1,126.4	3.1	3.3	121.84	-33.7	105.2	62.6	56.7	5.91	10.597		
1,200.0	1,186.7	1,209.3	1,188.9	3.4	3.7	110.36	-35.6	130.1	63.8	56.9	6.92	9.216		
1,300.0	1,284.6	1,305.8	1,276.9	3.8	4.5	92.35	-39.2	169.4	71.4	63.2	8.22	8.685	SF	
1,400.0	1,382.5	1,400.0	1,360.8	4.2	5.3	76.50	-43.9	211.9	87.8	78.8	9.01	9.741		
1,500.0	1,480.5	1,491.0	1,439.8	4.6	6.2	64.72	-49.4	256.7	112.5	103.1	9.42	11.944		
1,600.0	1,578.4	1,579.0	1,514.1	5.0	7.1	56.43	-55.7	303.5	144.2	134.5	9.67	14.909		
1,700.0	1,676.3	1,667.1	1,586.5	5.4	8.1	50.49	-62.8	353.2	181.3	171.4	9.88	18.352		
1,800.0	1,774.2	1,758.2	1,661.1	5.8	9.2	46.32	-70.3	405.0	220.2	210.1	10.13	21.733		
1,900.0	1,872.2	1,849.4	1,735.6	6.2	10.2	43.39	-77.8	456.9	259.9	249.4	10.43	24.902		
2,000.0	1,970.1	1,940.5	1,810.2	6.6	11.2	41.23	-85.3	508.7	299.9	289.1	10.77	27.840		
2,100.0	2,068.0	2,031.6	1,884.7	7.0	12.3	39.58	-92.9	560.6	340.2	329.1	11.14	30.554		
2,200.0	2,165.9	2,122.7	1,959.3	7.4	13.3	38.27	-100.4	612.5	380.7	369.2	11.52	33.058		
2,300.0	2,263.9	2,213.8	2,033.8	7.8	14.4	37.22	-107.9	664.3	421.4	409.5	11.91	35.370		
2,400.0	2,361.8	2,304.9	2,108.3	8.2	15.5	36.35	-115.4	716.2	462.1	449.8	12.32	37.508		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF10A-03 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor					
0.0	0.0	0.0	0.0	0.0	0.0	-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	296.644					
200.0	200.0	200.0	200.0	0.3	0.3	-164.30	-66.8	-18.8	69.4	68.8	0.58	119.013					
300.0	300.0	300.2	300.2	0.5	0.5	-166.47	-67.3	-16.2	69.2	68.3	0.93	74.197					
309.5	309.5	309.7	309.6	0.5	0.5	114.14	-67.4	-15.7	69.2	68.2	0.98	70.671	CC, ES				
400.0	400.0	400.0	399.6	0.6	0.7	110.06	-68.8	-8.5	70.2	68.8	1.34	52.257					
500.0	499.6	499.6	498.3	0.9	1.0	105.54	-71.3	4.2	73.6	71.7	1.84	40.048					
600.0	598.8	598.7	595.8	1.1	1.3	101.39	-74.8	21.9	79.3	76.9	2.46	32.224					
700.0	697.1	697.3	691.7	1.5	1.8	97.85	-79.2	44.4	87.4	84.2	3.24	27.006					
800.0	795.0	795.3	785.7	1.8	2.3	93.48	-84.5	71.5	97.4	93.3	4.10	23.769					
900.0	892.9	892.0	876.9	2.2	3.0	87.56	-90.7	102.9	109.8	104.8	4.99	22.014					
1,000.0	990.9	987.0	964.9	2.6	3.7	81.00	-97.6	138.1	125.7	119.9	5.85	21.483	SF				
1,100.0	1,088.8	1,080.0	1,049.2	3.0	4.4	74.53	-105.1	176.7	145.8	139.2	6.64	21.962					
1,200.0	1,186.7	1,170.5	1,129.2	3.4	5.3	68.59	-113.2	218.0	170.5	163.2	7.33	23.257					
1,300.0	1,284.6	1,258.2	1,204.9	3.8	6.2	63.40	-121.8	261.6	200.1	192.1	7.94	25.201					
1,400.0	1,382.5	1,343.8	1,276.6	4.2	7.1	58.95	-130.8	307.4	234.3	225.8	8.46	27.696					
1,500.0	1,480.5	1,435.4	1,352.6	4.6	8.1	55.14	-140.7	357.7	271.0	262.1	8.95	30.283					
1,600.0	1,578.4	1,527.1	1,428.5	5.0	9.1	52.22	-150.5	408.1	308.6	299.2	9.43	32.724					
1,700.0	1,676.3	1,618.7	1,504.4	5.4	10.2	49.93	-160.4	458.5	346.7	336.8	9.91	34.997					
1,800.0	1,774.2	1,710.4	1,580.3	5.8	11.2	48.09	-170.3	508.8	385.2	374.8	10.38	37.101					
1,900.0	1,872.2	1,802.0	1,656.3	6.2	12.2	46.58	-180.2	559.2	424.0	413.1	10.86	39.044					
2,000.0	1,970.1	1,893.7	1,732.2	6.6	13.2	45.32	-190.1	609.6	463.0	451.6	11.34	40.838					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10A-04 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-154.72	-54.6	-25.8	60.4					
100.0	100.0	100.0	100.0	0.1	0.1	-154.72	-54.6	-25.8	60.4	60.2	0.23	258.417		
200.0	200.0	200.0	200.0	0.3	0.3	-154.72	-54.6	-25.8	60.4	59.9	0.58	103.677	CC, ES	
300.0	300.0	297.3	297.2	0.5	0.5	-153.54	-56.0	-27.9	62.6	61.7	0.93	66.989		
400.0	400.0	393.8	393.4	0.6	0.7	131.89	-60.1	-34.0	71.1	69.8	1.28	55.350		
500.0	499.6	488.1	487.0	0.9	0.9	138.57	-66.6	-43.9	88.3	86.7	1.64	53.737	SF	
600.0	598.8	579.0	576.5	1.1	1.3	144.76	-75.3	-57.1	115.3	113.3	2.00	57.664		
700.0	697.1	669.1	664.5	1.5	1.6	149.71	-85.9	-73.0	151.2	148.8	2.35	64.407		
800.0	795.0	760.6	753.9	1.8	2.0	153.52	-96.9	-89.5	190.1	187.4	2.69	70.529		
900.0	892.9	852.1	843.3	2.2	2.4	156.05	-107.8	-106.1	229.4	226.4	3.04	75.431		
1,000.0	990.9	943.7	932.6	2.6	2.7	157.83	-118.8	-122.6	269.0	265.6	3.39	79.398		
1,100.0	1,088.8	1,035.2	1,022.0	3.0	3.1	159.16	-129.7	-139.1	308.8	305.0	3.74	82.655		
1,200.0	1,186.7	1,126.8	1,111.4	3.4	3.5	160.19	-140.7	-155.6	348.6	344.6	4.08	85.368		
1,300.0	1,284.6	1,218.3	1,200.8	3.8	3.9	161.01	-151.6	-172.1	388.6	384.2	4.43	87.658		
1,400.0	1,382.5	1,309.9	1,290.1	4.2	4.3	161.67	-162.6	-188.7	428.6	423.8	4.78	89.613		
1,500.0	1,480.5	1,401.4	1,379.5	4.6	4.7	162.22	-173.5	-205.2	468.7	463.5	5.13	91.300		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10B-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-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	301.968		
200.0	200.0	200.0	200.0	0.3	0.3	-156.50	-64.8	-28.2	70.6	70.0	0.58	121.149		
300.0	300.0	300.0	300.0	0.5	0.5	-156.50	-64.8	-28.2	70.6	69.7	0.93	75.775 CC, ES		
400.0	400.0	400.0	400.0	0.6	0.6	126.19	-64.8	-28.2	72.1	70.9	1.28	56.145		
500.0	499.6	499.6	499.6	0.9	0.8	130.79	-64.8	-28.2	77.0	75.4	1.65	46.588		
600.0	598.8	598.8	598.8	1.1	1.0	137.16	-64.8	-28.2	86.2	84.1	2.04	42.255		
700.0	697.1	699.5	699.5	1.5	1.2	142.83	-65.4	-25.7	99.1	96.7	2.44	40.639		
800.0	795.0	801.3	801.0	1.8	1.4	145.61	-67.4	-17.9	111.9	109.0	2.87	39.045		
900.0	892.9	904.0	902.7	2.2	1.6	145.64	-70.9	-4.8	122.1	118.8	3.35	36.414		
1,000.0	990.9	1,006.9	1,003.9	2.6	1.9	143.55	-75.7	13.6	129.7	125.7	3.94	32.883		
1,100.0	1,088.8	1,109.6	1,103.5	3.0	2.4	139.61	-81.8	37.2	135.1	130.4	4.69	28.831		
1,200.0	1,186.7	1,211.3	1,200.9	3.4	2.9	133.94	-89.3	65.7	139.3	133.6	5.62	24.778		
1,300.0	1,284.6	1,311.6	1,295.2	3.8	3.5	126.69	-97.9	98.6	143.5	136.7	6.76	21.243		
1,400.0	1,382.5	1,409.9	1,385.8	4.2	4.2	118.16	-107.5	135.5	149.5	141.5	8.04	18.596		
1,500.0	1,480.5	1,505.8	1,472.2	4.6	5.0	108.88	-118.1	175.8	159.1	149.7	9.36	16.997		
1,600.0	1,578.4	1,600.0	1,554.9	5.0	5.9	99.44	-129.4	219.4	173.9	163.3	10.60	16.408 SF		
1,700.0	1,676.3	1,688.9	1,630.9	5.4	6.8	90.82	-141.1	264.1	194.8	183.1	11.64	16.737		
1,800.0	1,774.2	1,775.6	1,702.8	5.8	7.8	83.08	-153.4	311.0	222.1	209.6	12.48	17.795		
1,900.0	1,872.2	1,861.6	1,772.0	6.2	8.8	76.33	-166.3	360.3	255.4	242.3	13.13	19.459		
2,000.0	1,970.1	1,950.9	1,843.5	6.6	9.8	70.73	-179.8	412.1	292.2	278.6	13.67	21.381		
2,100.0	2,068.0	2,040.2	1,914.9	7.0	10.9	66.34	-193.3	463.9	331.0	316.9	14.15	23.394		
2,200.0	2,165.9	2,129.5	1,986.4	7.4	11.9	62.84	-206.9	515.8	371.2	356.6	14.61	25.415		
2,300.0	2,263.9	2,218.9	2,057.9	7.8	13.0	60.00	-220.4	567.6	412.4	397.4	15.05	27.397		
2,400.0	2,361.8	2,308.2	2,129.4	8.2	14.1	57.66	-234.0	619.4	454.3	438.8	15.50	29.315		
2,500.0	2,459.7	2,397.5	2,200.9	8.6	15.2	55.71	-247.5	671.2	496.8	480.8	15.94	31.155		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10C-03 H04 596 - DD - Plan #1												Offset Site Error: 0.0 ft		
Survey Program: 0-MWD												Offset Well Error: 0.0 ft		
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (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	-164.64	-76.9	-21.1	79.8					
100.0	100.0	100.0	100.0	0.1	0.1	-164.64	-76.9	-21.1	79.8	79.5	0.23	341.015		
200.0	200.0	200.2	200.2	0.3	0.3	-165.12	-77.0	-20.5	79.7	79.1	0.58	136.621		
300.0	300.0	300.3	300.1	0.5	0.5	-168.89	-77.9	-15.3	79.4	78.5	0.93	85.056		
305.7	305.7	306.0	305.8	0.5	0.5	111.80	-78.0	-14.8	79.4	78.4	0.98	80.666	CC, ES	
400.0	400.0	399.8	399.1	0.6	0.7	106.39	-79.7	-5.1	80.6	79.2	1.40	57.781		
500.0	499.6	498.8	496.8	0.9	1.1	100.84	-82.4	10.1	84.5	82.6	1.92	43.982		
600.0	598.8	596.4	592.4	1.1	1.5	96.05	-86.6	29.9	91.5	88.9	2.57	35.552		
700.0	697.1	693.5	686.2	1.5	2.0	92.32	-92.4	53.9	101.8	98.4	3.36	30.304		
800.0	795.0	789.5	777.7	1.8	2.5	88.48	-99.9	82.1	115.0	110.8	4.21	27.357		
900.0	892.9	884.0	866.2	2.2	3.2	83.79	-108.9	113.9	131.7	126.6	5.06	26.031		
1,000.0	990.9	976.5	951.2	2.6	3.9	78.90	-119.3	149.0	152.3	146.4	5.88	25.892	SF	
1,100.0	1,088.8	1,066.8	1,032.3	3.0	4.7	74.23	-130.8	186.9	177.2	170.6	6.65	26.646		
1,200.0	1,186.7	1,154.5	1,109.2	3.4	5.5	70.00	-143.4	227.1	206.6	199.2	7.36	28.074		
1,300.0	1,284.6	1,239.3	1,181.7	3.8	6.4	66.31	-156.9	269.0	240.4	232.4	8.01	30.017		
1,400.0	1,382.5	1,321.5	1,250.0	4.2	7.3	63.12	-171.0	312.4	278.5	269.9	8.60	32.379		
1,500.0	1,480.5	1,411.9	1,324.1	4.6	8.4	60.24	-187.2	361.6	318.9	309.7	9.18	34.733		
1,600.0	1,578.4	1,502.3	1,398.2	5.0	9.4	57.99	-203.3	410.8	359.8	350.0	9.75	36.904		
1,700.0	1,676.3	1,592.7	1,472.4	5.4	10.4	56.20	-219.5	460.0	401.1	390.8	10.31	38.893		
1,800.0	1,774.2	1,683.1	1,546.5	5.8	11.4	54.75	-235.6	509.2	442.7	431.8	10.87	40.714		
1,900.0	1,872.2	1,773.6	1,620.6	6.2	12.5	53.54	-251.8	558.3	484.4	473.0	11.43	42.381		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10C-04 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							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	-158.45	-93.1	-36.8	100.1					
100.0	100.0	100.0	100.0	0.1	0.1	-158.45	-93.1	-36.8	100.1	99.9	0.23	427.978		
200.0	200.0	200.0	200.0	0.3	0.3	-158.45	-93.1	-36.8	100.1	99.5	0.58	171.704		
233.4	233.4	233.4	233.4	0.3	0.3	-158.45	-93.1	-36.8	100.1	99.4	0.70	143.102	CC, ES	
300.0	300.0	298.9	298.9	0.5	0.5	-158.34	-93.3	-37.0	100.4	99.4	0.93	107.905		
400.0	400.0	396.4	396.4	0.6	0.6	124.62	-94.7	-39.3	104.1	102.8	1.28	81.274		
500.0	499.6	493.1	492.9	0.9	0.8	129.03	-97.6	-43.7	113.5	111.8	1.65	68.802		
600.0	598.8	588.0	587.5	1.1	1.0	134.66	-101.8	-50.1	129.5	127.5	2.04	63.620		
700.0	697.1	680.5	679.4	1.5	1.3	140.36	-107.2	-58.4	153.1	150.7	2.43	63.077	SF	
800.0	795.0	770.9	769.1	1.8	1.5	145.35	-113.7	-68.5	182.1	179.3	2.80	65.029		
900.0	892.9	859.8	856.9	2.2	1.8	149.05	-121.3	-80.2	214.4	211.3	3.16	67.919		
1,000.0	990.9	947.1	942.7	2.6	2.1	151.83	-129.9	-93.5	249.7	246.2	3.50	71.287		
1,100.0	1,088.8	1,032.7	1,026.5	3.0	2.4	153.94	-139.5	-108.2	287.7	283.9	3.84	74.892		
1,200.0	1,186.7	1,116.5	1,108.1	3.4	2.8	155.57	-149.9	-124.3	328.1	324.0	4.17	78.603		
1,300.0	1,284.6	1,200.0	1,188.9	3.8	3.2	156.86	-161.3	-141.8	370.9	366.4	4.51	82.318		
1,400.0	1,382.5	1,278.9	1,264.8	4.2	3.6	157.84	-173.0	-159.9	415.8	410.9	4.83	86.066		
1,500.0	1,480.5	1,357.3	1,339.8	4.6	4.0	158.63	-185.6	-179.2	462.8	457.6	5.16	89.760		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10E-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						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	-159.25	-103.2	-39.1	110.4					
100.0	100.0	100.0	100.0	0.1	0.1	-159.25	-103.2	-39.1	110.4	110.1	0.23	471.949		
200.0	200.0	200.0	200.0	0.3	0.3	-159.25	-103.2	-39.1	110.4	109.8	0.58	189.345		
300.0	300.0	300.0	300.0	0.5	0.5	-159.25	-103.2	-39.1	110.4	109.4	0.93	118.429 CC, ES		
400.0	400.0	394.9	394.9	0.6	0.6	123.30	-104.8	-40.9	114.0	112.7	1.28	89.225		
500.0	499.6	488.5	488.2	0.9	0.8	127.27	-109.4	-46.1	125.3	123.7	1.64	76.274		
600.0	598.8	579.4	578.4	1.1	1.1	132.31	-116.7	-54.4	145.3	143.3	2.03	71.591 SF		
700.0	697.1	666.6	664.3	1.5	1.4	137.26	-126.4	-65.4	174.5	172.1	2.42	72.001		
800.0	795.0	750.2	746.0	1.8	1.7	141.63	-138.1	-78.7	210.7	207.9	2.80	75.304		
900.0	892.9	830.7	823.9	2.2	2.1	144.77	-151.7	-94.1	251.7	248.5	3.16	79.759		
1,000.0	990.9	908.1	897.9	2.6	2.5	147.03	-166.7	-111.1	297.0	293.5	3.50	84.813		
1,100.0	1,088.8	985.1	970.5	3.0	3.0	148.74	-183.5	-130.2	346.0	342.2	3.85	89.976		
1,200.0	1,186.7	1,071.1	1,051.3	3.4	3.5	150.19	-203.0	-152.3	396.3	392.1	4.20	94.315		
1,300.0	1,284.6	1,157.1	1,132.2	3.8	4.0	151.32	-222.5	-174.4	446.8	442.2	4.56	98.006		
1,400.0	1,382.5	1,243.2	1,213.0	4.2	4.6	152.22	-241.9	-196.4	497.4	492.4	4.92	101.156		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF12A-03 H04 596 - DD - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			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	-164.10	-57.7	-16.4	60.0					
100.0	100.0	100.0	100.0	0.1	0.1	-164.10	-57.7	-16.4	60.0	59.7	0.23	256.446		
200.0	200.0	200.0	200.0	0.3	0.3	-164.10	-57.7	-16.4	60.0	59.4	0.58	102.886		
300.0	300.0	300.0	300.0	0.5	0.5	-164.10	-57.7	-16.4	60.0	59.0	0.93	64.352 CC, ES		
400.0	400.0	400.0	400.0	0.6	0.6	119.06	-57.7	-16.4	61.2	59.9	1.29	47.604		
500.0	499.6	499.6	499.6	0.9	0.8	124.97	-57.7	-16.4	65.4	63.7	1.66	39.423		
600.0	598.8	598.7	598.7	1.1	1.0	131.10	-59.0	-14.3	73.7	71.6	2.06	35.790		
700.0	697.1	697.8	697.4	1.5	1.2	134.86	-63.1	-7.8	86.2	83.7	2.51	34.324		
800.0	795.0	797.0	795.8	1.8	1.4	135.71	-70.0	3.1	100.1	97.1	3.03	33.024		
900.0	892.9	896.2	893.4	2.2	1.8	133.73	-79.5	18.2	113.9	110.2	3.66	31.112		
1,000.0	990.9	994.9	989.4	2.6	2.1	129.92	-91.6	37.5	127.9	123.5	4.41	29.031		
1,100.0	1,088.8	1,093.4	1,084.8	3.0	2.6	126.13	-104.6	58.2	142.5	137.3	5.20	27.426		
1,200.0	1,186.7	1,191.9	1,180.3	3.4	3.0	123.06	-117.7	78.9	157.7	151.7	6.00	26.262		
1,300.0	1,284.6	1,290.5	1,275.7	3.8	3.4	120.53	-130.7	99.6	173.2	166.3	6.82	25.404		
1,400.0	1,382.5	1,389.0	1,371.2	4.2	3.9	118.42	-143.7	120.3	188.9	181.3	7.63	24.758		
1,500.0	1,480.5	1,487.5	1,466.6	4.6	4.3	116.63	-156.7	141.0	204.9	196.5	8.45	24.263		
1,600.0	1,578.4	1,586.0	1,562.0	5.0	4.8	115.11	-169.8	161.7	221.1	211.8	9.26	23.876		
1,700.0	1,676.3	1,684.6	1,657.5	5.4	5.3	113.79	-182.8	182.4	237.4	227.3	10.07	23.568		
1,800.0	1,774.2	1,783.1	1,752.9	5.8	5.7	112.64	-195.8	203.1	253.8	242.9	10.88	23.320		
1,900.0	1,872.2	1,881.6	1,848.4	6.2	6.2	111.63	-208.8	223.8	270.2	258.5	11.69	23.118		
2,000.0	1,970.1	1,980.2	1,943.8	6.6	6.6	110.73	-221.9	244.5	286.8	274.3	12.50	22.950		
2,100.0	2,068.0	2,078.7	2,039.3	7.0	7.1	109.94	-234.9	265.2	303.4	290.1	13.30	22.810		
2,200.0	2,165.9	2,177.2	2,134.7	7.4	7.6	109.22	-247.9	285.9	320.1	306.0	14.10	22.692		
2,300.0	2,263.9	2,275.7	2,230.1	7.8	8.0	108.58	-260.9	306.6	336.8	321.9	14.91	22.592		
2,400.0	2,361.8	2,374.3	2,325.6	8.2	8.5	108.00	-274.0	327.3	353.5	337.8	15.71	22.505		
2,500.0	2,459.7	2,472.8	2,421.0	8.6	9.0	107.47	-287.0	348.0	370.3	353.8	16.51	22.431		
2,600.0	2,557.6	2,571.3	2,516.5	9.0	9.4	106.98	-300.0	368.7	387.1	369.8	17.31	22.366		
2,700.0	2,655.6	2,669.8	2,611.9	9.4	9.9	106.54	-313.1	389.4	403.9	385.8	18.11	22.310		
2,800.0	2,753.5	2,768.4	2,707.4	9.8	10.4	106.13	-326.1	410.1	420.8	401.9	18.90	22.260		
2,900.0	2,851.4	2,866.9	2,802.8	10.2	10.8	105.75	-339.1	430.8	437.7	418.0	19.70	22.216		
3,000.0	2,949.3	2,965.4	2,898.2	10.6	11.3	105.41	-352.1	451.5	454.6	434.1	20.50	22.177		
3,100.0	3,047.2	3,064.0	2,993.7	11.0	11.8	105.08	-365.2	472.2	471.5	450.2	21.29	22.142		
3,200.0	3,145.2	3,162.5	3,089.1	11.4	12.2	104.78	-378.2	492.9	488.4	466.3	22.09	22.111 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF12B-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			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	-157.04	-73.9	-31.3	80.2					
100.0	100.0	100.0	100.0	0.1	0.1	-157.04	-73.9	-31.3	80.2	80.0	0.23	343.026		
200.0	200.0	200.0	200.0	0.3	0.3	-157.04	-73.9	-31.3	80.2	79.6	0.58	137.622		
300.0	300.0	300.0	300.0	0.5	0.5	-157.04	-73.9	-31.3	80.2	79.3	0.93	86.078 CC, ES		
400.0	400.0	400.0	400.0	0.6	0.6	125.46	-73.9	-31.3	81.7	80.4	1.28	63.595		
500.0	499.6	498.8	498.8	0.9	0.8	127.87	-75.4	-29.3	87.0	85.3	1.66	52.403		
600.0	598.8	597.5	597.2	1.1	1.0	129.24	-80.1	-23.2	96.5	94.4	2.09	46.109		
700.0	697.1	695.7	694.6	1.5	1.3	129.70	-87.9	-13.3	110.2	107.6	2.62	42.050		
800.0	795.0	793.5	790.7	1.8	1.6	128.72	-98.7	0.6	126.0	122.8	3.24	38.830		
900.0	892.9	890.6	885.2	2.2	2.0	125.97	-112.4	18.1	142.8	138.9	3.98	35.929		
1,000.0	990.9	987.8	978.9	2.6	2.5	122.41	-128.5	38.7	161.0	156.2	4.77	33.773		
1,100.0	1,088.8	1,085.7	1,073.0	3.0	2.9	119.45	-144.9	59.8	179.7	174.1	5.58	32.232		
1,200.0	1,186.7	1,183.5	1,167.2	3.4	3.4	117.04	-161.3	80.8	198.8	192.4	6.39	31.123		
1,300.0	1,284.6	1,281.4	1,261.3	3.8	3.9	115.06	-177.7	101.8	218.2	211.0	7.20	30.303		
1,400.0	1,382.5	1,379.2	1,355.5	4.2	4.4	113.40	-194.1	122.8	237.8	229.8	8.01	29.680		
1,500.0	1,480.5	1,477.1	1,449.6	4.6	4.9	112.00	-210.5	143.8	257.6	248.8	8.82	29.198		
1,600.0	1,578.4	1,574.9	1,543.7	5.0	5.4	110.79	-226.9	164.8	277.5	267.9	9.63	28.816		
1,700.0	1,676.3	1,672.8	1,637.9	5.4	5.9	109.75	-243.3	185.8	297.5	287.1	10.44	28.509		
1,800.0	1,774.2	1,770.6	1,732.0	5.8	6.4	108.84	-259.7	206.9	317.6	306.3	11.24	28.258		
1,900.0	1,872.2	1,868.4	1,826.2	6.2	6.9	108.03	-276.1	227.9	337.7	325.7	12.04	28.050		
2,000.0	1,970.1	1,966.3	1,920.3	6.6	7.4	107.32	-292.5	248.9	357.9	345.1	12.84	27.876		
2,100.0	2,068.0	2,064.1	2,014.5	7.0	7.9	106.68	-308.9	269.9	378.2	364.5	13.64	27.730		
2,200.0	2,165.9	2,162.0	2,108.6	7.4	8.4	106.11	-325.3	290.9	398.5	384.0	14.44	27.604		
2,300.0	2,263.9	2,259.8	2,202.8	7.8	8.9	105.59	-341.7	311.9	418.8	403.6	15.23	27.496		
2,400.0	2,361.8	2,357.7	2,296.9	8.2	9.4	105.12	-358.0	332.9	439.2	423.1	16.03	27.402		
2,500.0	2,459.7	2,455.5	2,391.0	8.6	9.9	104.70	-374.4	354.0	459.6	442.7	16.82	27.320		
2,600.0	2,557.6	2,553.4	2,485.2	9.0	10.4	104.30	-390.8	375.0	480.0	462.4	17.61	27.249 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-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					Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-164.54	-96.1	-26.6	99.7					
100.0	100.0	100.0	100.0	0.1	0.1	-164.54	-96.1	-26.6	99.7	99.5	0.23	426.482		
200.0	200.0	200.0	200.0	0.3	0.3	-164.54	-96.1	-26.6	99.7	99.2	0.58	171.104		
300.0	300.0	300.0	300.0	0.5	0.5	-164.54	-96.1	-26.6	99.7	98.8	0.93	107.020 CC, ES		
400.0	400.0	400.0	400.0	0.6	0.6	117.78	-96.1	-26.6	100.9	99.7	1.29	78.499		
500.0	499.6	497.5	497.4	0.9	0.8	120.12	-97.8	-24.8	105.8	104.2	1.66	63.669		
600.0	598.8	594.7	594.3	1.1	1.0	121.98	-103.0	-19.4	115.6	113.5	2.10	55.047		
700.0	697.1	691.3	690.2	1.5	1.3	123.26	-111.4	-10.5	130.2	127.6	2.63	49.484		
800.0	795.0	787.3	784.7	1.8	1.6	123.42	-123.1	1.7	147.7	144.5	3.24	45.543		
900.0	892.9	882.5	877.4	2.2	2.0	121.97	-138.0	17.3	167.0	163.0	3.94	42.366		
1,000.0	990.9	976.6	967.9	2.6	2.4	119.49	-155.7	35.9	188.3	183.6	4.71	40.017		
1,100.0	1,088.8	1,073.6	1,060.6	3.0	2.9	116.89	-175.5	56.7	210.9	205.4	5.51	38.289		
1,200.0	1,186.7	1,170.6	1,153.2	3.4	3.4	114.79	-195.3	77.5	233.8	227.5	6.31	37.041		
1,300.0	1,284.6	1,267.7	1,245.9	3.8	4.0	113.06	-215.1	98.3	257.0	249.9	7.12	36.110		
1,400.0	1,382.5	1,364.7	1,338.6	4.2	4.5	111.62	-234.9	119.1	280.3	272.4	7.92	35.398		
1,500.0	1,480.5	1,461.7	1,431.2	4.6	5.0	110.40	-254.7	139.8	303.8	295.1	8.72	34.842		
1,600.0	1,578.4	1,558.7	1,523.9	5.0	5.5	109.36	-274.5	160.6	327.5	317.9	9.52	34.398		
1,700.0	1,676.3	1,655.7	1,616.6	5.4	6.1	108.46	-294.3	181.4	351.2	340.8	10.32	34.039		
1,800.0	1,774.2	1,752.7	1,709.2	5.8	6.6	107.67	-314.1	202.2	374.9	363.8	11.11	33.743		
1,900.0	1,872.2	1,849.7	1,801.9	6.2	7.1	106.97	-333.9	222.9	398.8	386.9	11.91	33.496		
2,000.0	1,970.1	1,946.7	1,894.6	6.6	7.7	106.35	-353.7	243.7	422.7	410.0	12.70	33.288		
2,100.0	2,068.0	2,043.7	1,987.2	7.0	8.2	105.80	-373.5	264.5	446.6	433.1	13.49	33.111		
2,200.0	2,165.9	2,140.7	2,079.9	7.4	8.7	105.31	-393.3	285.3	470.5	456.3	14.28	32.959		
2,300.0	2,263.9	2,237.8	2,172.6	7.8	9.3	104.86	-413.1	306.1	494.5	479.5	15.07	32.827 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF12E-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-164.23	-105.2	-29.7	109.4					
100.0	100.0	100.0	100.0	0.1	0.1	-164.23	-105.2	-29.7	109.4	109.1	0.23	467.584		
200.0	200.0	200.0	200.0	0.3	0.3	-164.23	-105.2	-29.7	109.4	108.8	0.58	187.594		
300.0	300.0	300.0	300.0	0.5	0.5	-164.23	-105.2	-29.7	109.4	108.4	0.93	117.334 CC, ES		
400.0	400.0	400.0	400.0	0.6	0.6	117.97	-105.2	-29.7	110.6	109.3	1.29	85.984		
500.0	499.6	499.6	499.6	0.9	0.8	121.33	-105.2	-29.7	114.5	112.8	1.66	68.893		
600.0	598.8	597.4	597.4	1.1	1.0	126.05	-105.7	-29.4	122.1	120.0	2.07	59.072		
700.0	697.1	693.3	693.1	1.5	1.2	130.01	-109.5	-26.5	135.5	133.0	2.51	54.022		
800.0	795.0	789.0	788.3	1.8	1.4	132.33	-117.1	-20.7	152.7	149.7	2.99	51.136		
900.0	892.9	884.3	882.6	2.2	1.6	132.66	-128.4	-12.0	171.7	168.2	3.53	48.716		
1,000.0	990.9	978.9	975.3	2.6	1.9	131.57	-143.4	-0.6	192.5	188.4	4.14	46.463		
1,100.0	1,088.8	1,072.2	1,065.7	3.0	2.3	129.53	-161.7	13.3	215.2	210.3	4.84	44.436		
1,200.0	1,186.7	1,163.9	1,153.4	3.4	2.8	126.90	-183.0	29.6	240.1	234.5	5.61	42.771		
1,300.0	1,284.6	1,253.6	1,237.8	3.8	3.3	123.96	-207.1	48.0	267.6	261.2	6.42	41.659		
1,400.0	1,382.5	1,347.7	1,325.5	4.2	3.9	121.00	-234.3	68.7	297.1	289.8	7.28	40.835		
1,500.0	1,480.5	1,442.2	1,413.6	4.6	4.5	118.56	-261.5	89.5	327.2	319.0	8.12	40.301		
1,600.0	1,578.4	1,536.7	1,501.6	5.0	5.1	116.52	-288.8	110.3	357.7	348.7	8.95	39.961		
1,700.0	1,676.3	1,631.2	1,589.7	5.4	5.7	114.81	-316.1	131.1	388.6	378.8	9.77	39.751		
1,800.0	1,774.2	1,725.8	1,677.8	5.8	6.4	113.34	-343.3	151.9	419.7	409.1	10.59	39.627		
1,900.0	1,872.2	1,820.3	1,765.8	6.2	7.0	112.07	-370.6	172.7	451.1	439.7	11.40	39.564		
2,000.0	1,970.1	1,914.8	1,853.9	6.6	7.6	110.97	-397.9	193.5	482.6	470.4	12.20	39.542 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												H04 596 Pad - UWF13A-03 H04 596 - DD - Plan #1		Offset Site Error: 0.0 ft	
Survey Program: 0-MWD														Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance								
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	-115.4	-32.1	119.7						
100.0	100.0	100.0	100.0	0.1	0.1	-164.46	-115.4	-32.1	119.7	119.5	0.23	511.968			
200.0	200.0	200.0	200.0	0.3	0.3	-164.46	-115.4	-32.1	119.7	119.2	0.58	205.401			
300.0	300.0	300.0	300.0	0.5	0.5	-164.46	-115.4	-32.1	119.7	118.8	0.93	128.472	CC, ES		
400.0	400.0	400.0	400.0	0.6	0.6	117.63	-115.4	-32.1	120.9	119.6	1.29	94.045			
500.0	499.6	499.6	499.6	0.9	0.8	120.72	-115.4	-32.1	124.8	123.1	1.66	75.079			
600.0	598.8	595.3	595.2	1.1	1.0	124.32	-117.3	-30.7	133.2	131.2	2.07	64.388			
700.0	697.1	690.3	690.0	1.5	1.2	127.29	-123.2	-26.8	147.8	145.3	2.53	58.401			
800.0	795.0	784.8	783.8	1.8	1.4	129.06	-133.0	-20.2	166.3	163.3	3.04	54.743			
900.0	892.9	878.7	876.2	2.2	1.7	129.16	-146.4	-11.2	187.1	183.5	3.61	51.853			
1,000.0	990.9	971.5	966.7	2.6	2.1	128.11	-163.4	0.2	210.1	205.9	4.25	49.440			
1,100.0	1,088.8	1,062.8	1,054.7	3.0	2.5	126.30	-183.7	13.9	235.5	230.5	4.96	47.490			
1,200.0	1,186.7	1,152.2	1,139.6	3.4	3.0	124.03	-206.9	29.5	263.4	257.7	5.72	46.041			
1,300.0	1,284.6	1,239.5	1,221.2	3.8	3.5	121.53	-232.7	46.8	294.2	287.7	6.51	45.163			
1,400.0	1,382.5	1,330.3	1,304.8	4.2	4.1	118.93	-262.0	66.5	327.5	320.1	7.34	44.610			
1,500.0	1,480.5	1,423.5	1,390.6	4.6	4.8	116.71	-292.2	86.9	361.4	353.2	8.17	44.242			
1,600.0	1,578.4	1,516.8	1,476.5	5.0	5.4	114.87	-322.4	107.2	395.7	386.7	8.99	44.035			
1,700.0	1,676.3	1,610.0	1,562.3	5.4	6.1	113.31	-352.7	127.5	430.3	420.5	9.79	43.933			
1,800.0	1,774.2	1,703.2	1,648.1	5.8	6.7	111.99	-382.9	147.8	465.2	454.6	10.60	43.901	SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13B-03 H04 596 - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				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	-164.21	-124.5	-35.2	129.3					
100.0	100.0	100.0	100.0	0.1	0.1	-164.21	-124.5	-35.2	129.3	129.1	0.23	553.036		
200.0	200.0	200.0	200.0	0.3	0.3	-164.21	-124.5	-35.2	129.3	128.8	0.58	221.877		
300.0	300.0	300.0	300.0	0.5	0.5	-164.21	-124.5	-35.2	129.3	128.4	0.93	138.777	CC, ES	
400.0	400.0	400.0	400.0	0.6	0.6	117.80	-124.5	-35.2	130.5	129.3	1.29	101.522		
500.0	499.6	497.5	497.5	0.9	0.8	120.38	-125.0	-34.9	134.8	133.1	1.66	81.264		
600.0	598.8	592.5	592.4	1.1	1.0	122.94	-129.0	-32.5	144.7	142.7	2.07	69.846		
700.0	697.1	686.6	686.0	1.5	1.2	125.10	-137.0	-27.6	160.8	158.2	2.55	63.003		
800.0	795.0	780.0	778.3	1.8	1.5	126.42	-148.8	-20.5	180.9	177.8	3.08	58.658		
900.0	892.9	872.4	868.9	2.2	1.8	126.37	-164.3	-11.2	203.6	199.9	3.68	55.369		
1,000.0	990.9	963.4	957.3	2.6	2.2	125.37	-183.2	0.2	228.8	224.5	4.33	52.817		
1,100.0	1,088.8	1,052.8	1,042.8	3.0	2.6	123.76	-205.3	13.5	256.7	251.7	5.04	50.912		
1,200.0	1,186.7	1,140.1	1,125.2	3.4	3.1	121.79	-230.1	28.4	287.4	281.6	5.79	49.609		
1,300.0	1,284.6	1,225.1	1,204.0	3.8	3.7	119.65	-257.4	44.8	321.1	314.6	6.57	48.887		
1,400.0	1,382.5	1,311.4	1,282.6	4.2	4.3	117.40	-287.8	63.2	357.7	350.4	7.37	48.565		
1,500.0	1,480.5	1,403.2	1,365.9	4.6	5.0	115.35	-320.8	83.0	395.3	387.1	8.18	48.327		
1,600.0	1,578.4	1,495.0	1,449.3	5.0	5.7	113.64	-353.8	102.9	433.3	424.3	8.98	48.226		
1,700.0	1,676.3	1,586.8	1,532.6	5.4	6.4	112.21	-386.8	122.8	471.5	461.7	9.78	48.213	SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-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 - UWF13C-03 H04 596 - DD - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-164.41	-134.6	-37.5	139.7					
100.0	100.0	100.0	100.0	0.1	0.1	-164.41	-134.6	-37.5	139.7	139.5	0.23	597.401		
200.0	200.0	200.0	200.0	0.3	0.3	-164.41	-134.6	-37.5	139.7	139.1	0.58	239.676		
300.0	300.0	300.0	300.0	0.5	0.5	-164.41	-134.6	-37.5	139.7	138.8	0.93	149.910	CC, ES	
400.0	400.0	400.0	400.0	0.6	0.6	117.52	-134.6	-37.5	140.9	139.6	1.29	109.581		
500.0	499.6	494.7	494.7	0.9	0.8	119.32	-136.6	-36.4	146.4	144.7	1.66	88.366		
600.0	598.8	588.8	588.5	1.1	1.0	121.09	-142.8	-33.2	158.0	155.9	2.08	75.930		
700.0	697.1	681.8	680.8	1.5	1.2	122.68	-152.9	-27.8	175.7	173.1	2.58	68.098		
800.0	795.0	773.7	771.4	1.8	1.5	123.74	-166.7	-20.4	197.6	194.5	3.13	63.065		
900.0	892.9	864.5	859.9	2.2	1.9	123.66	-184.2	-11.1	222.4	218.7	3.74	59.429		
1,000.0	990.9	953.6	945.9	2.6	2.3	122.82	-204.9	-0.1	250.1	245.7	4.40	56.786		
1,100.0	1,088.8	1,040.9	1,028.9	3.0	2.8	121.47	-228.6	12.6	280.7	275.5	5.11	54.944		
1,200.0	1,186.7	1,126.0	1,108.6	3.4	3.3	119.84	-254.9	26.6	314.2	308.3	5.84	53.782		
1,300.0	1,284.6	1,208.6	1,184.7	3.8	3.9	118.06	-283.4	41.8	350.7	344.1	6.59	53.207		
1,400.0	1,382.5	1,289.4	1,257.6	4.2	4.5	116.23	-314.0	58.1	390.4	383.0	7.35	53.093		
1,500.0	1,480.5	1,379.7	1,338.4	4.6	5.2	114.38	-349.6	77.1	431.6	423.5	8.15	52.961		
1,600.0	1,578.4	1,470.0	1,419.2	5.0	6.0	112.85	-385.1	96.0	473.1	464.2	8.94	52.949	SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13D-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-164.19	-143.7	-40.7	149.3					
100.0	100.0	100.0	100.0	0.1	0.1	-164.19	-143.7	-40.7	149.3	149.1	0.23	638.524		
200.0	200.0	200.0	200.0	0.3	0.3	-164.19	-143.7	-40.7	149.3	148.8	0.58	256.174		
300.0	300.0	300.0	300.0	0.5	0.5	-164.19	-143.7	-40.7	149.3	148.4	0.93	160.229	CC, ES	
400.0	400.0	397.2	397.2	0.6	0.6	117.48	-144.2	-40.4	151.0	149.7	1.28	117.838		
500.0	499.6	491.4	491.3	0.9	0.8	118.52	-148.4	-38.3	158.3	156.6	1.66	95.593		
600.0	598.8	584.7	584.1	1.1	1.0	119.63	-156.6	-34.3	171.6	169.5	2.09	82.092		
700.0	697.1	676.7	675.1	1.5	1.3	120.71	-168.6	-28.3	191.0	188.4	2.61	73.261		
800.0	795.0	767.3	764.0	1.8	1.6	121.52	-184.4	-20.5	214.6	211.5	3.18	67.514		
900.0	892.9	856.6	850.7	2.2	2.0	121.39	-203.5	-10.9	241.4	237.6	3.80	63.471		
1,000.0	990.9	944.1	934.6	2.6	2.5	120.61	-225.8	0.1	271.1	266.6	4.47	60.644		
1,100.0	1,088.8	1,029.6	1,015.3	3.0	3.0	119.42	-250.8	12.6	303.8	298.6	5.17	58.754		
1,200.0	1,186.7	1,112.8	1,092.6	3.4	3.5	118.00	-278.3	26.2	339.6	333.7	5.89	57.617		
1,300.0	1,284.6	1,193.4	1,166.3	3.8	4.1	116.47	-307.8	40.9	378.4	371.8	6.63	57.067		
1,400.0	1,382.5	1,271.4	1,236.0	4.2	4.8	114.90	-338.9	56.3	420.3	413.0	7.38	56.979	SF	
1,500.0	1,480.5	1,355.9	1,310.5	4.6	5.5	113.24	-374.7	74.1	464.7	456.5	8.14	57.065		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13E-03 H04 596 - DD - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	-164.37	-153.8	-43.0	159.7				
100.0	100.0	100.0	100.0	0.1	0.1	-164.37	-153.8	-43.0	159.7	159.5	0.23	682.870	
200.0	200.0	200.0	200.0	0.3	0.3	-164.37	-153.8	-43.0	159.7	159.1	0.58	273.966	
300.0	300.0	300.0	300.0	0.5	0.5	-164.37	-153.8	-43.0	159.7	158.8	0.93	171.357	CC, ES
400.0	400.0	393.9	393.9	0.6	0.6	116.81	-155.9	-42.1	162.8	161.5	1.28	127.365	
500.0	499.6	487.3	487.0	0.9	0.8	117.27	-162.1	-39.2	171.9	170.2	1.66	103.594	
600.0	598.8	579.6	578.6	1.1	1.1	117.89	-172.4	-34.5	187.1	185.0	2.11	88.805	
700.0	697.1	670.3	668.0	1.5	1.4	118.62	-186.4	-28.1	208.3	205.6	2.64	78.919	
800.0	795.0	759.6	755.1	1.8	1.7	119.30	-203.8	-20.1	233.8	230.6	3.23	72.475	
900.0	892.9	847.2	839.7	2.2	2.2	119.19	-224.6	-10.7	262.6	258.7	3.86	68.062	
1,000.0	990.9	932.9	921.4	2.6	2.6	118.55	-248.3	0.2	294.4	289.9	4.52	65.073	
1,100.0	1,088.8	1,016.5	999.8	3.0	3.2	117.56	-274.6	12.2	329.4	324.2	5.22	63.139	
1,200.0	1,186.7	1,100.0	1,076.8	3.4	3.8	116.33	-304.0	25.6	367.5	361.5	5.94	61.904	
1,300.0	1,284.6	1,176.2	1,145.8	3.8	4.4	115.08	-333.4	39.1	408.6	401.9	6.65	61.441	
1,400.0	1,382.5	1,252.0	1,213.1	4.2	5.0	113.75	-365.2	53.6	452.7	445.4	7.37	61.394	SF
1,500.0	1,480.5	1,329.4	1,280.3	4.6	5.7	112.38	-399.9	69.5	499.7	491.6	8.10	61.687	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF14C-04 H04 596 (was 15C-04) - DD - Plan #2												Offset Site Error: 0.0 ft		
Survey Program: 0-MWD												Offset Well Error: 0.0 ft		
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-160.36	-131.5	-46.9	139.7					
100.0	100.0	100.0	100.0	0.1	0.1	-160.36	-131.5	-46.9	139.7	139.4	0.23	597.192		
200.0	200.0	200.0	200.0	0.3	0.3	-160.36	-131.5	-46.9	139.7	139.1	0.58	239.592		
300.0	300.0	300.0	300.0	0.5	0.5	-160.36	-131.5	-46.9	139.7	138.7	0.93	149.857	CC, ES	
400.0	400.0	400.0	400.0	0.6	0.6	121.53	-131.5	-46.9	141.0	139.7	1.29	109.707		
500.0	499.6	497.9	497.9	0.9	0.8	123.99	-131.7	-47.0	145.4	143.8	1.66	87.808		
600.0	598.8	589.6	589.6	1.1	1.0	127.22	-134.9	-47.8	156.6	154.6	2.05	76.431		
700.0	697.1	679.1	678.7	1.5	1.2	130.81	-141.9	-50.3	176.4	173.9	2.47	71.372		
800.0	795.0	766.2	765.1	1.8	1.4	134.23	-152.3	-54.4	202.8	199.9	2.89	70.154	SF	
900.0	892.9	851.1	848.7	2.2	1.6	136.67	-165.9	-60.1	234.0	230.7	3.31	70.767		
1,000.0	990.9	933.7	929.3	2.6	1.9	138.34	-182.2	-67.2	269.6	265.9	3.72	72.415		
1,100.0	1,088.8	1,013.5	1,006.5	3.0	2.3	139.45	-201.0	-75.5	309.2	305.1	4.14	74.660		
1,200.0	1,186.7	1,090.7	1,080.1	3.4	2.7	140.17	-221.9	-84.9	352.5	347.9	4.56	77.219		
1,300.0	1,284.6	1,164.9	1,150.1	3.8	3.1	140.59	-244.5	-95.2	399.3	394.3	5.00	79.929		
1,400.0	1,382.5	1,236.3	1,216.4	4.2	3.6	140.82	-268.5	-106.2	449.2	443.8	5.43	82.786		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
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	-164.26	-86.0	-24.2	89.4				
100.0	100.0	100.0	100.0	0.1	0.1	-164.26	-86.0	-24.2	89.4	89.1	0.23	382.132	
200.0	200.0	200.0	200.0	0.3	0.3	-164.26	-86.0	-24.2	89.4	88.8	0.58	153.311	
300.0	300.0	300.0	300.0	0.5	0.5	-164.26	-86.0	-24.2	89.4	88.4	0.93	95.891	CC, ES
400.0	400.0	400.5	400.4	0.6	0.6	116.56	-86.5	-21.6	90.3	89.0	1.29	69.802	
500.0	499.6	500.9	500.5	0.9	0.9	115.97	-87.9	-13.9	93.0	91.3	1.71	54.318	
600.0	598.8	600.0	598.8	1.1	1.1	115.14	-91.0	-1.4	98.6	96.3	2.24	44.095	
700.0	697.1	697.4	694.6	1.5	1.5	114.22	-96.6	15.0	107.8	104.9	2.89	37.292	
800.0	795.0	794.8	789.4	1.8	1.9	112.26	-104.8	35.7	119.4	115.8	3.65	32.684	
900.0	892.9	891.2	882.1	2.2	2.4	108.67	-115.3	60.1	133.1	128.6	4.51	29.494	
1,000.0	990.9	986.2	972.0	2.6	3.0	104.11	-128.1	88.1	149.4	144.0	5.43	27.502	
1,100.0	1,088.8	1,079.4	1,058.5	3.0	3.6	99.15	-142.8	119.2	169.0	162.7	6.37	26.527	
1,200.0	1,186.7	1,170.3	1,141.2	3.4	4.4	94.20	-159.3	153.0	192.5	185.2	7.29	26.398	SF
1,300.0	1,284.6	1,258.6	1,219.8	3.8	5.1	89.55	-177.3	189.0	220.2	212.1	8.17	26.954	
1,400.0	1,382.5	1,344.1	1,294.1	4.2	6.0	85.33	-196.6	226.8	252.3	243.3	8.99	28.055	
1,500.0	1,480.5	1,426.6	1,363.9	4.6	6.8	81.60	-216.8	265.8	288.7	278.9	9.76	29.589	
1,600.0	1,578.4	1,508.0	1,430.8	5.0	7.8	78.27	-238.3	306.8	329.1	318.6	10.47	31.446	
1,700.0	1,676.3	1,597.0	1,503.4	5.4	8.8	75.27	-262.2	352.5	371.5	360.3	11.16	33.285	
1,800.0	1,774.2	1,685.9	1,575.9	5.8	9.8	72.87	-286.2	398.1	414.6	402.8	11.84	35.029	
1,900.0	1,872.2	1,774.9	1,648.4	6.2	10.8	70.91	-310.2	443.7	458.2	445.7	12.50	36.666	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15A-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-159.39	-112.3	-42.2	120.0					
100.0	100.0	100.0	100.0	0.1	0.1	-159.39	-112.3	-42.2	120.0	119.8	0.23	513.084		
200.0	200.0	200.0	200.0	0.3	0.3	-159.39	-112.3	-42.2	120.0	119.4	0.58	205.848		
300.0	300.0	300.0	300.0	0.5	0.5	-159.39	-112.3	-42.2	120.0	119.1	0.93	128.752 CC, ES		
400.0	400.0	400.0	400.0	0.6	0.6	122.64	-112.3	-42.2	121.4	120.1	1.29	94.446		
500.0	499.6	499.6	499.6	0.9	0.8	125.54	-112.3	-42.2	125.8	124.1	1.66	75.876		
600.0	598.8	592.2	592.2	1.1	1.0	129.55	-114.3	-43.3	136.2	134.2	2.05	66.515		
700.0	697.1	682.6	682.3	1.5	1.2	133.97	-119.9	-46.5	155.6	153.2	2.46	63.304 SF		
800.0	795.0	770.5	769.6	1.8	1.4	137.92	-129.0	-51.6	182.0	179.1	2.86	63.603		
900.0	892.9	856.3	854.2	2.2	1.6	140.63	-141.2	-58.5	213.3	210.1	3.26	65.455		
1,000.0	990.9	939.6	935.7	2.6	1.9	142.44	-156.2	-66.9	249.1	245.4	3.66	68.130		
1,100.0	1,088.8	1,020.2	1,013.8	3.0	2.3	143.59	-173.7	-76.7	288.8	284.8	4.05	71.242		
1,200.0	1,186.7	1,100.0	1,090.2	3.4	2.7	144.31	-193.8	-88.0	332.3	327.8	4.46	74.524		
1,300.0	1,284.6	1,172.9	1,159.0	3.8	3.1	144.69	-214.6	-99.7	379.2	374.4	4.87	77.929		
1,400.0	1,382.5	1,244.8	1,226.0	4.2	3.5	144.87	-237.3	-112.5	429.4	424.1	5.27	81.408		
1,500.0	1,480.5	1,328.5	1,303.3	4.6	4.1	144.97	-265.3	-128.2	481.4	475.7	5.72	84.230		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15B-03 H04 596 (was 10E-03) - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-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	386.870		
200.0	200.0	200.0	200.0	0.3	0.3	-158.18	-84.0	-33.6	90.5	89.9	0.58	155.211		
300.0	300.0	300.0	300.0	0.5	0.5	-158.18	-84.0	-33.6	90.5	89.5	0.93	97.080 CC, ES		
400.0	400.0	399.6	399.6	0.6	0.6	123.77	-84.3	-33.1	92.0	90.7	1.29	71.600		
500.0	499.6	498.9	498.8	0.9	0.8	124.45	-86.9	-28.6	97.1	95.4	1.67	58.029		
600.0	598.8	597.9	597.2	1.1	1.1	124.49	-92.1	-19.8	105.7	103.5	2.14	49.348		
700.0	697.1	696.5	694.6	1.5	1.4	124.04	-99.8	-6.6	117.8	115.1	2.73	43.184		
800.0	795.0	794.7	790.7	1.8	1.7	122.45	-110.0	10.8	131.8	128.4	3.42	38.487		
900.0	892.9	892.0	884.8	2.2	2.2	119.23	-122.6	32.3	146.7	142.5	4.23	34.705		
1,000.0	990.9	988.1	976.3	2.6	2.7	114.96	-137.3	57.5	163.4	158.2	5.12	31.887		
1,100.0	1,088.8	1,082.4	1,064.6	3.0	3.4	110.11	-154.0	86.1	182.4	176.3	6.08	30.019		
1,200.0	1,186.7	1,174.7	1,149.3	3.4	4.1	105.08	-172.5	117.7	204.6	197.5	7.05	29.021		
1,300.0	1,284.6	1,264.4	1,229.9	3.8	4.8	100.15	-192.4	151.7	230.4	222.4	8.01	28.777 SF		
1,400.0	1,382.5	1,351.4	1,306.2	4.2	5.6	95.52	-213.5	187.9	260.2	251.3	8.92	29.163		
1,500.0	1,480.5	1,435.5	1,378.0	4.6	6.5	91.29	-235.6	225.5	294.1	284.4	9.78	30.063		
1,600.0	1,578.4	1,516.4	1,445.2	5.0	7.4	87.50	-258.3	264.4	332.2	321.6	10.59	31.378		
1,700.0	1,676.3	1,600.0	1,512.6	5.4	8.4	83.91	-283.2	307.0	374.4	363.0	11.36	32.950		
1,800.0	1,774.2	1,669.5	1,567.0	5.8	9.2	81.17	-305.1	344.4	420.2	408.2	12.04	34.915		
1,900.0	1,872.2	1,754.8	1,633.0	6.2	10.3	78.28	-332.4	391.1	468.3	455.6	12.73	36.786		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15B-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-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	557.141		
200.0	200.0	200.0	200.0	0.3	0.3	-159.99	-122.4	-44.6	130.3	129.7	0.58	223.524		
300.0	300.0	300.0	300.0	0.5	0.5	-159.99	-122.4	-44.6	130.3	129.4	0.93	139.807 CC, ES		
400.0	400.0	393.8	393.7	0.6	0.6	122.17	-124.2	-46.1	134.0	132.7	1.28	105.066		
500.0	499.6	486.3	486.0	0.9	0.8	125.21	-129.4	-50.4	145.4	143.7	1.64	88.733		
600.0	598.8	576.3	575.4	1.1	1.1	129.20	-137.7	-57.5	165.1	163.0	2.03	81.456		
700.0	697.1	662.9	660.7	1.5	1.3	133.29	-148.7	-66.8	193.6	191.1	2.43	79.582 SF		
800.0	795.0	746.1	742.1	1.8	1.7	137.14	-162.1	-78.1	228.8	225.9	2.82	81.003		
900.0	892.9	826.5	819.8	2.2	2.1	139.94	-177.5	-91.1	268.7	265.5	3.20	83.882		
1,000.0	990.9	900.0	890.2	2.6	2.4	141.90	-193.8	-104.9	313.0	309.4	3.57	87.692		
1,100.0	1,088.8	979.1	964.9	3.0	2.9	143.50	-213.7	-121.7	360.9	357.0	3.94	91.538		
1,200.0	1,186.7	1,058.9	1,039.4	3.4	3.4	144.43	-236.5	-138.5	411.2	406.9	4.33	94.897		
1,300.0	1,284.6	1,137.3	1,112.1	3.8	4.0	144.72	-261.9	-153.7	463.0	458.2	4.74	97.638		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15D-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-160.54	-141.7	-50.1	150.3					
100.0	100.0	100.0	100.0	0.1	0.1	-160.54	-141.7	-50.1	150.3	150.0	0.23	642.511		
200.0	200.0	200.0	200.0	0.3	0.3	-160.54	-141.7	-50.1	150.3	149.7	0.58	257.774		
300.0	300.0	300.0	300.0	0.5	0.5	-160.54	-141.7	-50.1	150.3	149.3	0.93	161.229	CC, ES	
400.0	400.0	400.0	400.0	0.6	0.6	121.29	-141.7	-50.1	151.6	150.3	1.29	117.944		
500.0	499.6	495.9	495.9	0.9	0.8	123.53	-142.2	-50.3	156.4	154.8	1.65	94.633		
600.0	598.8	586.8	586.7	1.1	1.0	126.65	-146.2	-52.0	168.8	166.7	2.05	82.494		
700.0	697.1	675.5	674.9	1.5	1.2	130.11	-153.9	-55.3	189.6	187.2	2.47	76.821		
800.0	795.0	761.8	760.4	1.8	1.4	133.42	-165.0	-60.1	217.0	214.1	2.89	75.137	SF	
900.0	892.9	845.9	843.0	2.2	1.7	135.77	-179.2	-66.3	249.2	245.9	3.31	75.378		
1,000.0	990.9	927.6	922.6	2.6	2.0	137.39	-196.2	-73.7	285.7	281.9	3.72	76.708		
1,100.0	1,088.8	1,000.0	992.4	3.0	2.3	138.39	-213.9	-81.3	326.1	322.0	4.13	78.922		
1,200.0	1,186.7	1,083.0	1,071.5	3.4	2.8	139.15	-237.1	-91.3	370.0	365.5	4.57	80.922		
1,300.0	1,284.6	1,156.7	1,140.7	3.8	3.2	139.54	-260.3	-101.4	417.4	412.4	5.01	83.392		
1,400.0	1,382.5	1,227.7	1,206.4	4.2	3.7	139.73	-285.1	-111.9	467.9	462.4	5.44	85.949		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
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Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF15E-04 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft	
Survey Program:													0-MWD		Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance											
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)								
0.0	0.0	0.0	0.0	0.0	0.0	-160.83	-150.8	-52.4	159.6									
100.0	100.0	100.0	100.0	0.1	0.1	-160.83	-150.8	-52.4	159.6	159.4	0.23	682.485						
133.3	133.3	133.3	133.3	0.2	0.2	-160.83	-150.8	-52.4	159.6	159.3	0.35	455.742	CC, ES					
200.0	200.0	196.2	196.2	0.3	0.3	-160.79	-151.3	-52.7	160.2	159.6	0.58	277.605						
300.0	300.0	288.4	288.3	0.5	0.5	-160.50	-155.1	-54.9	165.0	164.0	0.94	176.423						
400.0	400.0	379.7	379.1	0.6	0.7	121.44	-162.7	-59.3	175.8	174.5	1.25	140.267						
500.0	499.6	469.0	467.6	0.9	1.0	123.40	-173.8	-65.7	194.2	192.6	1.61	120.570						
600.0	598.8	555.4	552.4	1.1	1.3	125.84	-187.9	-73.8	220.4	218.4	2.00	110.449						
700.0	697.1	638.1	632.8	1.5	1.7	128.36	-204.5	-83.4	254.4	252.0	2.41	105.633						
800.0	795.0	717.3	709.0	1.8	2.1	131.13	-223.2	-94.2	294.4	291.6	2.82	104.475	SF					
900.0	892.9	800.0	787.5	2.2	2.6	133.33	-245.6	-107.2	338.7	335.5	3.23	104.765						
1,000.0	990.9	866.9	850.2	2.6	3.0	134.71	-265.9	-118.9	386.7	383.0	3.63	106.510						
1,100.0	1,088.8	937.2	915.1	3.0	3.5	135.85	-289.3	-132.4	438.1	434.1	4.03	108.638						
1,200.0	1,186.7	1,006.7	978.3	3.4	4.1	136.70	-314.4	-146.8	492.7	488.2	4.44	110.996						

Cathedral Energy Services

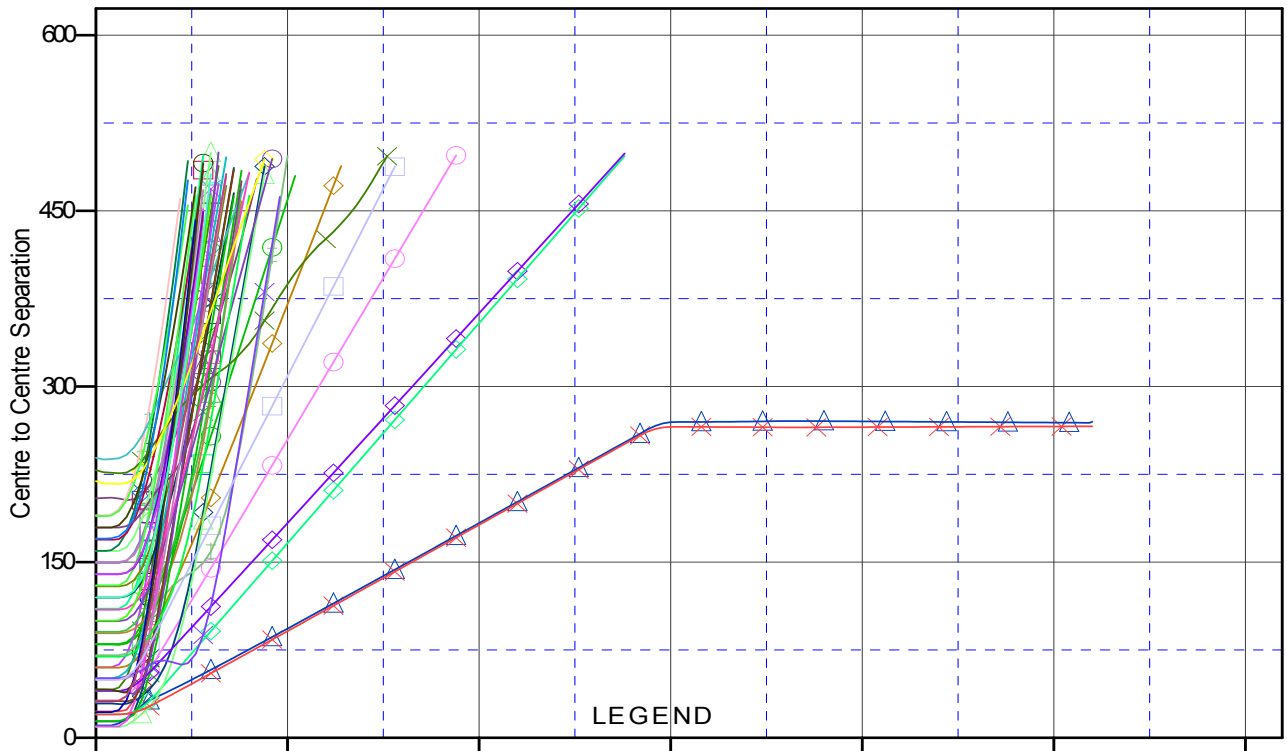
Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF05B-03 H04 596
Project:	North Piceance	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF05B-03 H04 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

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

Coordinates are relative to: UWF05B-03 H04 596
Coordinate System is US State Plane 1983, Colorado Central Zone
Grid Convergence at Surface is: -1.68°

Ladder Plot



LEGEND

UWF10E-04 H04 596, DD, Plan #1 V0	UWF15A-03 H04 596 (was 10D-03), DD, Plan #2 V0	UWF12E-03 H04 596, DD, Plan #1 V0
UWF06E-04 H04 596 (was 07E-04), DD, Plan #2 V0	UWF04E-03 H04 596, DD, Plan #1 V0	UWF02C-04 H04 596, DD, Plan #1 V0
UWF04D-03 H04 596, DD, Plan #1 V0	UWF13B-03 H04 596, DD, Plan #2 V0	UWF14C-04 H04 596 (was 15C-04), DD, Plan #1 V0
UWF04E-04 H04 596, DD, Plan #1 V0	UWF07B-04 H04 596, DD, Plan #2 V0	UWF04B-04 H04 596, DD, Plan #1 V0
UWF07A-04 H04 596, DD, Plan #1 V0	UWF15D-04 H04 596, DD, Plan #1 V0	UWF13C-03 H04 596, DD, Plan #2 V0
CP01B-04 H04 ST1, Existing, Existing V0	UWF07B-03 H04 596, DD, Plan #1 V0	UWF04B-10 H04 596, DD, Plan #1 V0
UWF12B-03 H04 596, DD, Plan #1 V0	UWF02D-04 H04 596, DD, Plan #1 V0	UWF10A-03 H04 596, DD, Plan #1 V0
UWF10C-03 H04 596, DD, Plan #1 V0	UWF15B-03 H04 596 (was 10E-03), DD, Plan #2 V0	UWF06B-04 H04 596, DD, Plan #1 V0
UWF05A-03 H04 596, DD, Plan #1 V0	CP05B-03 H04, Existing, Existing V0	UWF04C-04 H04 596, DD, Plan #1 V0
UWF13A-03 H04 596, DD, Plan #1 V0	UWF04A-10 H04 596, DD, Plan #1 V0	CP08D-04 H04, Existing, Existing V0
UWF04D-10 H04 596, DD, Plan #1 V0	CP12D-03 H04, Existing, Existing V0	UWF07E-03 H04 596, DD, Plan #1 V0
UWF07C-03 H04 596, DD, Plan #1 V0	UWF05A-04 H04 596, DD, Plan #1 V0	UWF07C-04 H04 596, DD, Plan #1 V0
UWF10A-04 H04 596, DD, Plan #1 V0	UWF04C-10 H04 596, DD, Plan #1 V0	UWF05E-03 H04 596, DD, Plan #1 V0