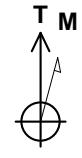
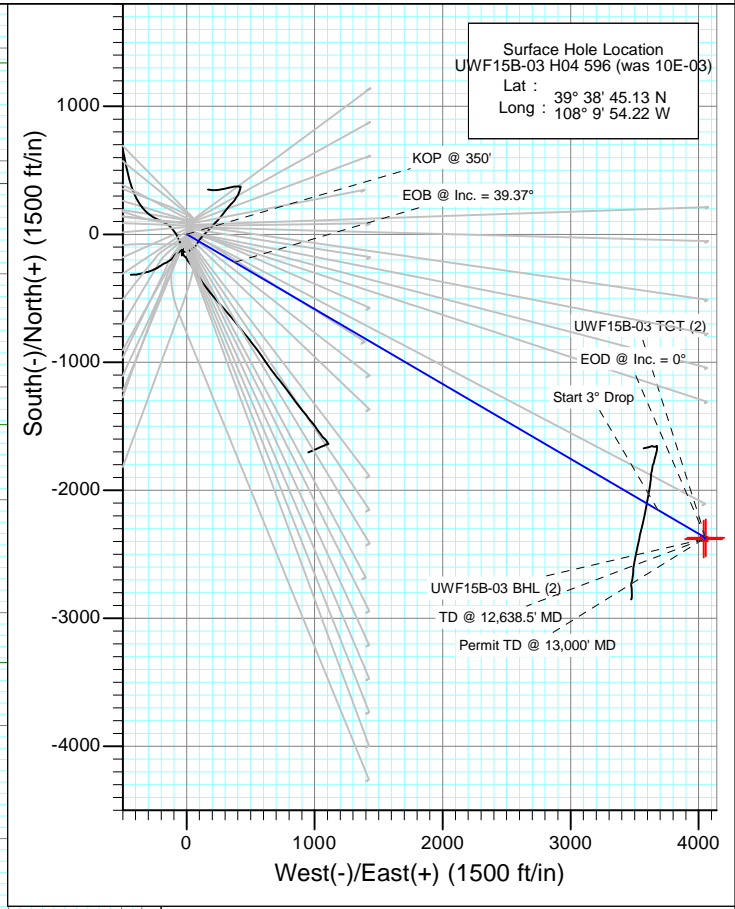


SECTION DETAILS

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	350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	
3	1662.5	39.37	120.32	1561.6	-218.8	374.2	3.00	120.32	433.5	
4	7700.9	39.37	120.32	6229.4	-2152.7	3681.0	0.00	0.00	4264.2	
5	9013.4	0.00	0.00	7441.0	-2371.5	4055.2	3.00	180.00	4697.7	UWF15B-03 TGT (2)
6	11279.9	0.45	239.53	9707.5	-2376.0	4047.5	0.02	239.53	4693.3	
7	12638.5	0.45	239.53	11066.0	-2381.5	4038.2	0.00	0.00	4688.1	UWF15B-03 BHL (2)
8	13000.0	0.45	239.53	11427.5	-2382.9	4035.7	0.00	0.00	4686.8	



Azimuths to True North  
 Magnetic North: 10.34°  
 Magnetic Field  
 Strength: 52205.7snT  
 Dip Angle: 65.81°  
 Date: 4/19/2012  
 Model: IGRF2010

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1082.0	1101.2	A GROOVE
1240.0	1275.8	B GROOVE
1280.0	1321.3	B GROOVE BASE
2132.0	2400.4	GARDEN GULCH
3200.0	3782.0	WASATCH FM
5335.0	6543.9	WASATCH G
7441.0	9013.4	WILLIAMS FORK
11066.0	12638.5	ROLLINS
11299.0	12871.5	COZZETTE

Plan #2  
 UWF15B-03 H04 596 (was 10E-03)  
 WELL @ 8293.0ft (Original Well Elev)  
 North American Datum 1983  
 Well UWF15B-03 H04 596 (was 10E-03), True North

Type	Target	Azimuth	Origin	Type	N/S	E/W	From TVD
TD	No Target (Freehand)	120.56	Slot		0.0	0.0	0.0
Name	TVD	+N/-S	+E/-W	Latitude	Longitude		
UWF15B-03 TGT (2)	7441.0	-2371.5	4055.2	39° 38' 21.69 N	108° 9' 2.38 W		
UWF15B-03 BHL (2)	11066.0	-2381.5	4038.2	39° 38' 21.59 N	108° 9' 2.60 W		

# Cathedral Energy Services

## Planning Report

<b>Database:</b> USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b> Well UWF15B-03 H04 596 (was 10E-03)
<b>Company:</b> EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b> WELL @ 8293.0ft (Original Well Elev)
<b>Project:</b> North Piceance	<b>MD Reference:</b> WELL @ 8293.0ft (Original Well Elev)
<b>Site:</b> H04 596 Pad	<b>North Reference:</b> True
<b>Well:</b> UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Wellbore:</b> DD	
<b>Design:</b> Plan #2	

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

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

<b>Well</b> UWF15B-03 H04 596 (was 10E-03)					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	1,671,147.05 ft	<b>Latitude:</b> 39° 38' 45.13 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,249,632.08 ft	<b>Longitude:</b> 108° 9' 54.22 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b> 8,260.0 ft

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

<b>Design</b> Plan #2				
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	120.56

<b>Plan Sections</b>										
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	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,662.5	39.37	120.32	1,561.6	-218.8	374.2	3.00	3.00	0.00	120.32	
7,700.9	39.37	120.32	6,229.4	-2,152.7	3,681.0	0.00	0.00	0.00	0.00	
9,013.4	0.00	0.00	7,441.0	-2,371.5	4,055.2	3.00	-3.00	0.00	180.00	UWF15B-03 TGT (2)
11,279.9	0.45	239.53	9,707.5	-2,376.0	4,047.5	0.02	0.02	-5.32	239.53	
12,638.5	0.45	239.53	11,066.0	-2,381.5	4,038.2	0.00	0.00	0.00	0.00	UWF15B-03 BHL (2)
13,000.0	0.45	239.53	11,427.5	-2,382.9	4,035.7	0.00	0.00	0.00	0.00	

# Cathedral Energy Services

## Planning Report

**Database:** USA EDM 5000 Multi Users DB  
**Company:** EnCana Oil & Gas (USA) Inc  
**Project:** North Piceance  
**Site:** H04 596 Pad  
**Well:** UWF15B-03 H04 596 (was 10E-03)  
**Wellbore:** DD  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well UWF15B-03 H04 596 (was 10E-03)  
**TVD Reference:** WELL @ 8293.0ft (Original Well Elev)  
**MD Reference:** WELL @ 8293.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
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	
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	KOP @ 350'
400.0	1.50	120.32	400.0	-0.3	0.6	0.7	3.00	3.00	
500.0	4.50	120.32	499.8	-3.0	5.1	5.9	3.00	3.00	
600.0	7.50	120.32	599.3	-8.2	14.1	16.3	3.00	3.00	
700.0	10.50	120.32	698.0	-16.1	27.6	32.0	3.00	3.00	
800.0	13.50	120.32	795.8	-26.6	45.6	52.8	3.00	3.00	
900.0	16.50	120.32	892.4	-39.7	67.9	78.6	3.00	3.00	
1,000.0	19.50	120.32	987.5	-55.3	94.6	109.5	3.00	3.00	
1,100.0	22.50	120.32	1,080.9	-73.4	125.5	145.4	3.00	3.00	
1,101.2	22.54	120.32	1,082.0	-73.6	125.9	145.8	3.00	3.00	A GROOVE
1,200.0	25.50	120.32	1,172.2	-93.9	160.6	186.0	3.00	3.00	
1,275.8	27.78	120.32	1,240.0	-111.1	190.0	220.0	3.00	3.00	B GROOVE
1,300.0	28.50	120.32	1,261.3	-116.8	199.8	231.4	3.00	3.00	
1,321.3	29.14	120.32	1,280.0	-122.0	208.7	241.7	3.00	3.00	B GROOVE BASE
1,400.0	31.50	120.32	1,347.9	-142.1	242.9	281.4	3.00	3.00	
1,500.0	34.50	120.32	1,431.8	-169.6	290.0	335.9	3.00	3.00	
1,600.0	37.50	120.32	1,512.6	-199.2	340.7	394.7	3.00	3.00	
1,662.5	39.37	120.32	1,561.6	-218.8	374.2	433.5	3.00	3.00	EOB @ Inc. = 39.37°
1,700.0	39.37	120.32	1,590.6	-230.9	394.8	457.3	0.00	0.00	
1,800.0	39.37	120.32	1,667.9	-262.9	449.5	520.7	0.00	0.00	
1,900.0	39.37	120.32	1,745.2	-294.9	504.3	584.2	0.00	0.00	
2,000.0	39.37	120.32	1,822.5	-326.9	559.0	647.6	0.00	0.00	
2,100.0	39.37	120.32	1,899.8	-359.0	613.8	711.1	0.00	0.00	
2,200.0	39.37	120.32	1,977.1	-391.0	668.6	774.5	0.00	0.00	
2,300.0	39.37	120.32	2,054.4	-423.0	723.3	837.9	0.00	0.00	
2,400.0	39.37	120.32	2,131.7	-455.0	778.1	901.4	0.00	0.00	
2,400.4	39.37	120.32	2,132.0	-455.2	778.3	901.6	0.00	0.00	GARDEN GULCH
2,500.0	39.37	120.32	2,209.0	-487.1	832.9	964.8	0.00	0.00	
2,600.0	39.37	120.32	2,286.3	-519.1	887.6	1,028.2	0.00	0.00	
2,700.0	39.37	120.32	2,363.6	-551.1	942.4	1,091.7	0.00	0.00	
2,800.0	39.37	120.32	2,440.9	-583.1	997.1	1,155.1	0.00	0.00	
2,900.0	39.37	120.32	2,518.2	-615.2	1,051.9	1,218.6	0.00	0.00	
3,000.0	39.37	120.32	2,595.5	-647.2	1,106.7	1,282.0	0.00	0.00	
3,100.0	39.37	120.32	2,672.8	-679.2	1,161.4	1,345.4	0.00	0.00	
3,200.0	39.37	120.32	2,750.1	-711.2	1,216.2	1,408.9	0.00	0.00	
3,300.0	39.37	120.32	2,827.4	-743.3	1,270.9	1,472.3	0.00	0.00	
3,400.0	39.37	120.32	2,904.7	-775.3	1,325.7	1,535.8	0.00	0.00	
3,500.0	39.37	120.32	2,982.0	-807.3	1,380.5	1,599.2	0.00	0.00	
3,600.0	39.37	120.32	3,059.3	-839.3	1,435.2	1,662.6	0.00	0.00	
3,700.0	39.37	120.32	3,136.6	-871.4	1,490.0	1,726.1	0.00	0.00	
3,782.0	39.37	120.32	3,200.0	-897.6	1,534.9	1,778.1	0.00	0.00	WASATCH FM
3,800.0	39.37	120.32	3,213.9	-903.4	1,544.8	1,789.5	0.00	0.00	
3,900.0	39.37	120.32	3,291.2	-935.4	1,599.5	1,852.9	0.00	0.00	
4,000.0	39.37	120.32	3,368.5	-967.4	1,654.3	1,916.4	0.00	0.00	
4,100.0	39.37	120.32	3,445.8	-999.5	1,709.0	1,979.8	0.00	0.00	
4,200.0	39.37	120.32	3,523.1	-1,031.5	1,763.8	2,043.3	0.00	0.00	
4,300.0	39.37	120.32	3,600.4	-1,063.5	1,818.6	2,106.7	0.00	0.00	
4,400.0	39.37	120.32	3,677.7	-1,095.5	1,873.3	2,170.1	0.00	0.00	

# Cathedral Energy Services

## Planning Report

**Database:** USA EDM 5000 Multi Users DB  
**Company:** EnCana Oil & Gas (USA) Inc  
**Project:** North Piceance  
**Site:** H04 596 Pad  
**Well:** UWF15B-03 H04 596 (was 10E-03)  
**Wellbore:** DD  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well UWF15B-03 H04 596 (was 10E-03)  
**TVD Reference:** WELL @ 8293.0ft (Original Well Elev)  
**MD Reference:** WELL @ 8293.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,500.0	39.37	120.32	3,755.0	-1,127.6	1,928.1	2,233.6	0.00	0.00	
4,600.0	39.37	120.32	3,832.3	-1,159.6	1,982.9	2,297.0	0.00	0.00	
4,700.0	39.37	120.32	3,909.6	-1,191.6	2,037.6	2,360.4	0.00	0.00	
4,800.0	39.37	120.32	3,986.9	-1,223.6	2,092.4	2,423.9	0.00	0.00	
4,900.0	39.37	120.32	4,064.2	-1,255.7	2,147.1	2,487.3	0.00	0.00	
5,000.0	39.37	120.32	4,141.5	-1,287.7	2,201.9	2,550.8	0.00	0.00	
5,100.0	39.37	120.32	4,218.8	-1,319.7	2,256.7	2,614.2	0.00	0.00	
5,200.0	39.37	120.32	4,296.1	-1,351.7	2,311.4	2,677.6	0.00	0.00	
5,300.0	39.37	120.32	4,373.4	-1,383.8	2,366.2	2,741.1	0.00	0.00	
5,400.0	39.37	120.32	4,450.7	-1,415.8	2,420.9	2,804.5	0.00	0.00	
5,500.0	39.37	120.32	4,528.1	-1,447.8	2,475.7	2,868.0	0.00	0.00	
5,600.0	39.37	120.32	4,605.4	-1,479.8	2,530.5	2,931.4	0.00	0.00	
5,700.0	39.37	120.32	4,682.7	-1,511.9	2,585.2	2,994.8	0.00	0.00	
5,800.0	39.37	120.32	4,760.0	-1,543.9	2,640.0	3,058.3	0.00	0.00	
5,900.0	39.37	120.32	4,837.3	-1,575.9	2,694.8	3,121.7	0.00	0.00	
6,000.0	39.37	120.32	4,914.6	-1,607.9	2,749.5	3,185.1	0.00	0.00	
6,100.0	39.37	120.32	4,991.9	-1,640.0	2,804.3	3,248.6	0.00	0.00	
6,200.0	39.37	120.32	5,069.2	-1,672.0	2,859.0	3,312.0	0.00	0.00	
6,300.0	39.37	120.32	5,146.5	-1,704.0	2,913.8	3,375.5	0.00	0.00	
6,400.0	39.37	120.32	5,223.8	-1,736.0	2,968.6	3,438.9	0.00	0.00	
6,500.0	39.37	120.32	5,301.1	-1,768.1	3,023.3	3,502.3	0.00	0.00	
6,543.9	39.37	120.32	5,335.0	-1,782.1	3,047.4	3,530.2	0.00	0.00	WASATCH G
6,600.0	39.37	120.32	5,378.4	-1,800.1	3,078.1	3,565.8	0.00	0.00	
6,700.0	39.37	120.32	5,455.7	-1,832.1	3,132.9	3,629.2	0.00	0.00	
6,800.0	39.37	120.32	5,533.0	-1,864.1	3,187.6	3,692.6	0.00	0.00	
6,900.0	39.37	120.32	5,610.3	-1,896.2	3,242.4	3,756.1	0.00	0.00	
7,000.0	39.37	120.32	5,687.6	-1,928.2	3,297.1	3,819.5	0.00	0.00	
7,100.0	39.37	120.32	5,764.9	-1,960.2	3,351.9	3,883.0	0.00	0.00	
7,200.0	39.37	120.32	5,842.2	-1,992.2	3,406.7	3,946.4	0.00	0.00	
7,300.0	39.37	120.32	5,919.5	-2,024.3	3,461.4	4,009.8	0.00	0.00	
7,400.0	39.37	120.32	5,996.8	-2,056.3	3,516.2	4,073.3	0.00	0.00	
7,500.0	39.37	120.32	6,074.1	-2,088.3	3,570.9	4,136.7	0.00	0.00	
7,600.0	39.37	120.32	6,151.4	-2,120.3	3,625.7	4,200.2	0.00	0.00	
7,700.9	39.37	120.32	6,229.4	-2,152.7	3,681.0	4,264.2	0.00	0.00	Start 3° Drop
7,800.0	36.40	120.32	6,307.6	-2,183.4	3,733.5	4,325.0	3.00	-3.00	
7,900.0	33.40	120.32	6,389.6	-2,212.2	3,782.9	4,382.2	3.00	-3.00	
8,000.0	30.40	120.32	6,474.5	-2,238.9	3,828.5	4,435.1	3.00	-3.00	
8,100.0	27.40	120.32	6,562.0	-2,263.3	3,870.2	4,483.4	3.00	-3.00	
8,200.0	24.40	120.32	6,651.9	-2,285.4	3,907.9	4,527.1	3.00	-3.00	
8,300.0	21.40	120.32	6,744.1	-2,305.0	3,941.5	4,566.0	3.00	-3.00	
8,400.0	18.40	120.32	6,838.1	-2,322.2	3,970.9	4,600.0	3.00	-3.00	
8,500.0	15.40	120.32	6,933.7	-2,336.9	3,996.0	4,629.1	3.00	-3.00	
8,600.0	12.40	120.32	7,030.8	-2,349.0	4,016.7	4,653.1	3.00	-3.00	
8,700.0	9.40	120.32	7,129.0	-2,358.5	4,033.0	4,672.0	3.00	-3.00	
8,800.0	6.40	120.32	7,228.0	-2,365.5	4,044.9	4,685.8	3.00	-3.00	
8,900.0	3.40	120.32	7,327.6	-2,369.8	4,052.3	4,694.3	3.00	-3.00	
9,000.0	0.40	120.32	7,427.6	-2,371.5	4,055.2	4,697.6	3.00	-3.00	
9,013.4	0.00	0.00	7,441.0	-2,371.5	4,055.2	4,697.7	3.00	-3.00	EOD @ Inc. = 0° - WILLIAMS FORK
9,100.0	0.02	239.53	7,527.6	-2,371.5	4,055.2	4,697.7	0.02	0.02	
9,200.0	0.04	239.53	7,627.6	-2,371.5	4,055.1	4,697.7	0.02	0.02	
9,300.0	0.06	239.53	7,727.6	-2,371.6	4,055.1	4,697.6	0.02	0.02	
9,400.0	0.08	239.53	7,827.6	-2,371.6	4,055.0	4,697.6	0.02	0.02	

# Cathedral Energy Services

## Planning Report

**Database:** USA EDM 5000 Multi Users DB  
**Company:** EnCana Oil & Gas (USA) Inc  
**Project:** North Piceance  
**Site:** H04 596 Pad  
**Well:** UWF15B-03 H04 596 (was 10E-03)  
**Wellbore:** DD  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well UWF15B-03 H04 596 (was 10E-03)  
**TVD Reference:** WELL @ 8293.0ft (Original Well Elev)  
**MD Reference:** WELL @ 8293.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
9,500.0	0.10	239.53	7,927.6	-2,371.7	4,054.8	4,697.5	0.02	0.02	
9,600.0	0.12	239.53	8,027.6	-2,371.8	4,054.7	4,697.4	0.02	0.02	
9,700.0	0.14	239.53	8,127.6	-2,371.9	4,054.5	4,697.3	0.02	0.02	
9,800.0	0.16	239.53	8,227.6	-2,372.0	4,054.3	4,697.2	0.02	0.02	
9,900.0	0.18	239.53	8,327.6	-2,372.2	4,054.0	4,697.0	0.02	0.02	
10,000.0	0.20	239.53	8,427.6	-2,372.4	4,053.7	4,696.9	0.02	0.02	
10,100.0	0.22	239.53	8,527.6	-2,372.5	4,053.4	4,696.7	0.02	0.02	
10,200.0	0.24	239.53	8,627.6	-2,372.7	4,053.1	4,696.5	0.02	0.02	
10,300.0	0.26	239.53	8,727.6	-2,373.0	4,052.7	4,696.3	0.02	0.02	
10,400.0	0.28	239.53	8,827.6	-2,373.2	4,052.3	4,696.1	0.02	0.02	
10,500.0	0.30	239.53	8,927.6	-2,373.5	4,051.9	4,695.8	0.02	0.02	
10,600.0	0.32	239.53	9,027.6	-2,373.7	4,051.4	4,695.6	0.02	0.02	
10,700.0	0.34	239.53	9,127.6	-2,374.0	4,050.9	4,695.3	0.02	0.02	
10,800.0	0.36	239.53	9,227.6	-2,374.3	4,050.4	4,695.0	0.02	0.02	
10,900.0	0.38	239.53	9,327.6	-2,374.7	4,049.8	4,694.7	0.02	0.02	
11,000.0	0.40	239.53	9,427.6	-2,375.0	4,049.3	4,694.4	0.02	0.02	
11,100.0	0.42	239.53	9,527.6	-2,375.4	4,048.7	4,694.0	0.02	0.02	
11,200.0	0.44	239.53	9,627.6	-2,375.7	4,048.0	4,693.6	0.02	0.02	
11,279.9	0.45	239.53	9,707.5	-2,376.0	4,047.5	4,693.3	0.02	0.02	
11,300.0	0.45	239.53	9,727.6	-2,376.1	4,047.3	4,693.3	0.00	0.00	
11,400.0	0.45	239.53	9,827.6	-2,376.5	4,046.7	4,692.9	0.00	0.00	
11,500.0	0.45	239.53	9,927.5	-2,376.9	4,046.0	4,692.5	0.00	0.00	
11,600.0	0.45	239.53	10,027.5	-2,377.3	4,045.3	4,692.1	0.00	0.00	
11,700.0	0.45	239.53	10,127.5	-2,377.7	4,044.6	4,691.7	0.00	0.00	
11,800.0	0.45	239.53	10,227.5	-2,378.1	4,043.9	4,691.4	0.00	0.00	
11,900.0	0.45	239.53	10,327.5	-2,378.5	4,043.2	4,691.0	0.00	0.00	
12,000.0	0.45	239.53	10,427.5	-2,378.9	4,042.6	4,690.6	0.00	0.00	
12,100.0	0.45	239.53	10,527.5	-2,379.3	4,041.9	4,690.2	0.00	0.00	
12,200.0	0.45	239.53	10,627.5	-2,379.7	4,041.2	4,689.8	0.00	0.00	
12,300.0	0.45	239.53	10,727.5	-2,380.1	4,040.5	4,689.4	0.00	0.00	
12,400.0	0.45	239.53	10,827.5	-2,380.5	4,039.8	4,689.1	0.00	0.00	
12,500.0	0.45	239.53	10,927.5	-2,380.9	4,039.2	4,688.7	0.00	0.00	
12,600.0	0.45	239.53	11,027.5	-2,381.3	4,038.5	4,688.3	0.00	0.00	
12,638.5	0.45	239.53	11,066.0	-2,381.5	4,038.2	4,688.1	0.00	0.00	TD @ 12,638.5' MD - ROLLINS
12,700.0	0.45	239.53	11,127.5	-2,381.7	4,037.8	4,687.9	0.00	0.00	
12,800.0	0.45	239.53	11,227.5	-2,382.1	4,037.1	4,687.5	0.00	0.00	
12,871.5	0.45	239.53	11,299.0	-2,382.4	4,036.6	4,687.2	0.00	0.00	COZZETTE
12,900.0	0.45	239.53	11,327.5	-2,382.5	4,036.4	4,687.1	0.00	0.00	
13,000.0	0.45	239.53	11,427.5	-2,382.9	4,035.7	4,686.8	0.00	0.00	Permit TD @ 13,000' MD

# Cathedral Energy Services

## Planning Report

<b>Database:</b> USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b> Well UWF15B-03 H04 596 (was 10E-03)
<b>Company:</b> EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b> WELL @ 8293.0ft (Original Well Elev)
<b>Project:</b> North Piceance	<b>MD Reference:</b> WELL @ 8293.0ft (Original Well Elev)
<b>Site:</b> H04 596 Pad	<b>North Reference:</b> True
<b>Well:</b> UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Wellbore:</b> DD	
<b>Design:</b> Plan #2	

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
UWF15B-03 TGT (2) - plan hits target center - Point	0.00	0.00	7,441.0	-2,371.5	4,055.2	1,668,657.63	2,253,615.97	39° 38' 21.69 N	108° 9' 2.38 W
UWF10E-03 TGT - plan misses target center by 534.3ft at 9012.5ft MD (7440.1 TVD, -2371.5 N, 4055.2 E) - Point	0.00	0.00	7,441.0	-1,837.3	4,063.3	1,669,191.37	2,253,639.74	39° 38' 26.97 N	108° 9' 2.28 W
UWF15B-03 BHL (2) - plan hits target center - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	11,066.0	-2,381.5	4,038.2	1,668,648.13	2,253,598.69	39° 38' 21.59 N	108° 9' 2.60 W
UWF10E-03 BHL - plan misses target center by 534.3ft at 12636.3ft MD (11063.8 TVD, -2381.5 N, 4038.2 E) - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	11,066.0	-1,847.3	4,048.3	1,669,181.85	2,253,624.45	39° 38' 26.87 N	108° 9' 2.47 W

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,101.2	1,082.0	A GROOVE				
1,275.8	1,240.0	B GROOVE				
1,321.3	1,280.0	B GROOVE BASE				
2,400.4	2,132.0	GARDEN GULCH				
3,782.0	3,200.0	WASATCH FM				
6,543.9	5,335.0	WASATCH G				
9,013.4	7,441.0	WILLIAMS FORK				
12,638.5	11,066.0	ROLLINS				
12,871.5	11,299.0	COZZETTE				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S	+E/-W		
		(ft)	(ft)		
350.0	350.0	0.0	0.0	KOP @ 350'	
1,662.5	1,561.6	-218.8	374.2	EOB @ Inc. = 39.37°	
7,700.9	6,229.4	-2,152.7	3,681.0	Start 3° Drop	
9,013.4	7,441.0	-2,371.5	4,055.2	EOD @ Inc. = 0°	
12,638.5	11,066.0	-2,381.5	4,038.2	TD @ 12,638.5' MD	
13,000.0	11,427.5	-2,382.9	4,035.7	Permit TD @ 13,000' MD	

# **EnCana Oil & Gas (USA) Inc**

**North Piceance**

**H04 596 Pad**

**UWF15B-03 H04 596 (was 10E-03)**

**DD**

**Plan #2**

## **Anticollision Report**

**18 October, 2012**

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

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

<b>Survey Tool Program</b>		<b>Date</b>	10/18/2012		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.0	13,000.0	Plan #2 (DD)	MWD	Geolink MWD	

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

### Summary

Site Name Offset Well - Wellbore - Design	Reference	Offset	Distance		Separation Factor	Warning
	Measured Depth (ft)	Measured Depth (ft)	Between Centres (ft)	Between Ellipses (ft)		
H04 596 Pad						
CP01B-04 H04 ST1 - Existing - Existing	683.9	715.4	99.9	97.3	38.499	CC, ES
CP01B-04 H04 ST1 - Existing - Existing	900.0	921.0	120.6	116.9	32.739	SF
CP05B-03 H04 - Existing - Existing	924.1	931.3	120.6	116.6	29.973	CC, ES
CP05B-03 H04 - Existing - Existing	1,100.0	1,100.6	133.1	128.0	26.488	SF
CP08D-04 H04 - Existing - Existing	720.9	728.3	120.5	117.8	44.855	CC, ES
CP08D-04 H04 - Existing - Existing	1,000.0	997.4	141.1	136.8	33.113	SF
CP12D-03 H04 - Existing - Existing	100.0	108.2	147.8	147.5	534.182	CC, ES
CP12D-03 H04 - Existing - Existing	1,200.0	1,186.1	188.2	182.2	31.572	SF
UWF02A-09 H04 596 - DD - Plan #1	134.2	134.2	79.9	79.6	226.333	CC
UWF02A-09 H04 596 - DD - Plan #1	200.0	199.4	80.1	79.5	137.681	ES
UWF02A-09 H04 596 - DD - Plan #1	600.0	583.4	111.0	108.7	49.642	SF
UWF02B-09 H04 596 - DD - Plan #1	929.3	934.6	82.8	79.0	21.707	CC, ES
UWF02B-09 H04 596 - DD - Plan #1	1,000.0	1,000.0	85.5	81.4	20.631	SF
UWF02C-04 H04 596 - DD - Plan #1	300.0	300.0	140.6	139.7	150.885	CC, ES
UWF02C-04 H04 596 - DD - Plan #1	800.0	759.1	206.0	203.0	67.612	SF
UWF02D-04 H04 596 - DD - Plan #1	200.0	200.0	139.7	139.1	239.683	CC, ES
UWF02D-04 H04 596 - DD - Plan #1	700.0	667.8	193.0	190.3	72.760	SF
UWF02E-04 H04 596 - DD - Plan #1	300.0	300.0	119.7	118.8	128.472	CC
UWF02E-04 H04 596 - DD - Plan #1	400.0	400.0	119.9	118.6	93.572	ES
UWF02E-04 H04 596 - DD - Plan #1	800.0	777.2	161.4	158.4	53.906	SF
UWF04A-10 H04 596 - DD - Plan #1	233.4	233.4	79.9	79.2	114.212	CC, ES
UWF04A-10 H04 596 - DD - Plan #1	2,100.0	1,970.3	492.7	467.6	19.603	SF
UWF04B-04 H04 596 - DD - Plan #1	300.0	300.0	130.3	129.4	139.807	CC
UWF04B-04 H04 596 - DD - Plan #1	400.0	400.0	130.4	129.1	101.776	ES
UWF04B-04 H04 596 - DD - Plan #1	800.0	774.9	174.4	171.3	57.878	SF
UWF04B-10 H04 596 - DD - Plan #1	200.0	200.0	90.3	89.7	154.835	CC, ES
UWF04B-10 H04 596 - DD - Plan #1	2,000.0	1,853.7	497.0	473.9	21.526	SF
UWF04C-04 H04 596 - DD - Plan #1	531.4	540.2	116.8	114.7	55.104	CC, ES
UWF04C-04 H04 596 - DD - Plan #1	700.0	696.5	133.1	129.9	42.322	SF
UWF04C-10 H04 596 - DD - Plan #1	133.4	133.4	99.8	99.4	284.707	CC, ES
UWF04C-10 H04 596 - DD - Plan #1	1,800.0	1,645.2	465.6	447.1	25.131	SF
UWF04D-03 H04 596 - DD - Plan #1	200.0	200.0	120.9	120.4	207.481	CC, ES
UWF04D-03 H04 596 - DD - Plan #1	1,600.0	1,489.8	475.4	463.9	41.298	SF
UWF04D-10 H04 596 - DD - Plan #1	133.3	133.3	99.9	99.6	285.325	CC, ES
UWF04D-10 H04 596 - DD - Plan #1	1,500.0	1,388.9	487.1	476.4	45.308	SF
UWF04E-03 H04 596 - DD - Plan #1	300.0	300.0	110.4	109.4	118.434	CC, ES
UWF04E-03 H04 596 - DD - Plan #1	1,500.0	1,424.9	382.1	371.9	37.711	SF
UWF04E-04 H04 596 - DD - Plan #1	400.0	400.5	110.2	109.0	85.521	CC, ES
UWF04E-04 H04 596 - DD - Plan #1	700.0	689.1	134.2	131.6	50.532	SF
UWF05A-03 H04 596 - DD - Plan #1	200.0	200.0	101.0	100.5	173.326	CC, ES
UWF05A-03 H04 596 - DD - Plan #1	1,400.0	1,348.1	308.0	298.5	32.480	SF
UWF05A-04 H04 596 - DD - Plan #1	400.0	400.7	90.1	88.8	69.881	CC, ES
UWF05A-04 H04 596 - DD - Plan #1	700.0	689.9	115.6	113.0	44.025	SF
UWF05B-03 H04 596 - DD - Plan #2	300.0	300.0	90.5	89.5	97.080	CC, ES
UWF05B-03 H04 596 - DD - Plan #2	1,300.0	1,269.3	231.3	223.2	28.590	SF
UWF05C-03 H04 596 - DD - Plan #1	300.0	300.0	70.6	69.7	75.779	CC, ES
UWF05C-03 H04 596 - DD - Plan #1	1,200.0	1,183.1	161.1	153.9	22.233	SF
UWF05D-03 H04 596 - DD - Plan #1	300.0	300.0	50.9	49.9	54.594	CC, ES
UWF05D-03 H04 596 - DD - Plan #1	1,100.0	1,091.7	99.6	93.2	15.666	SF
UWF05E-03 H04 596 - DD - Plan #1	200.0	200.0	41.7	41.1	71.586	CC
UWF05E-03 H04 596 - DD - Plan #1	300.0	299.8	41.9	41.0	44.982	ES
UWF05E-03 H04 596 - DD - Plan #1	1,200.0	1,192.1	64.8	57.0	8.249	SF
UWF06B-04 H04 596 - DD - Plan #1	400.0	400.9	68.9	67.6	51.448	CC, ES

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

### Summary

Site Name Offset Well - Wellbore - Design	Reference	Offset	Distance		Separation Factor	Warning
	Measured Depth (ft)	Measured Depth (ft)	Between Centres (ft)	Between Ellipses (ft)		
H04 596 Pad						
UWF06B-04 H04 596 - DD - Plan #1	600.0	594.0	85.8	83.5	37.696	SF
UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2	463.1	465.5	43.3	41.6	26.514	CC, ES
UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2	500.0	501.8	44.0	42.2	24.335	SF
UWF07A-04 H04 596 - DD - Plan #1	300.0	300.0	99.7	98.8	107.025	CC
UWF07A-04 H04 596 - DD - Plan #1	400.0	400.0	99.9	98.6	77.974	ES
UWF07A-04 H04 596 - DD - Plan #1	700.0	690.2	124.3	121.8	49.696	SF
UWF07B-03 H04 596 - DD - Plan #1	200.0	200.0	81.2	80.6	139.228	CC, ES
UWF07B-03 H04 596 - DD - Plan #1	2,100.0	1,993.9	475.8	448.5	17.444	SF
UWF07B-04 H04 596 - DD - Plan #2	300.0	300.0	79.8	78.8	85.578	CC
UWF07B-04 H04 596 - DD - Plan #2	327.8	327.8	79.8	78.8	77.531	ES
UWF07B-04 H04 596 - DD - Plan #2	700.0	696.3	96.3	93.8	39.127	SF
UWF07C-03 H04 596 - DD - Plan #1	200.0	200.0	61.4	60.8	105.255	CC, ES
UWF07C-03 H04 596 - DD - Plan #1	2,300.0	2,201.4	472.7	440.4	14.648	SF
UWF07C-04 H04 596 - DD - Plan #1	436.9	438.0	59.0	57.5	41.043	CC, ES
UWF07C-04 H04 596 - DD - Plan #1	600.0	597.9	67.6	65.5	31.666	SF
UWF07E-03 H04 596 - DD - Plan #1	300.0	300.0	40.0	39.1	42.900	CC
UWF07E-03 H04 596 - DD - Plan #1	400.0	400.0	40.2	38.9	31.333	ES
UWF07E-03 H04 596 - DD - Plan #1	2,700.0	2,666.2	491.8	452.8	12.621	SF
UWF10A-03 H04 596 - DD - Plan #1	200.0	200.0	22.7	22.2	39.002	CC, ES
UWF10A-03 H04 596 - DD - Plan #1	2,800.0	2,726.8	401.4	356.2	8.882	SF
UWF10A-04 H04 596 - DD - Plan #1	441.2	442.7	23.0	21.5	15.078	CC, ES
UWF10A-04 H04 596 - DD - Plan #1	500.0	500.5	25.7	23.9	14.296	SF
UWF10B-03 H04 596 - DD - Plan #1	300.0	300.0	20.0	19.1	21.452	CC
UWF10B-03 H04 596 - DD - Plan #1	400.0	400.0	20.2	18.9	15.738	ES
UWF10B-03 H04 596 - DD - Plan #1	3,500.0	3,512.2	488.5	435.4	9.208	SF
UWF10C-03 H04 596 - DD - Plan #1	134.0	134.0	14.4	14.0	40.779	CC, ES
UWF10C-03 H04 596 - DD - Plan #1	3,400.0	3,334.0	348.4	287.5	5.721	SF
UWF10C-04 H04 596 - DD - Plan #1	233.9	233.9	9.6	8.9	13.727	CC, ES
UWF10C-04 H04 596 - DD - Plan #1	400.0	399.6	12.2	11.0	9.547	SF
UWF10E-04 H04 596 - DD - Plan #1	300.0	300.0	20.0	19.1	21.443	CC, ES
UWF10E-04 H04 596 - DD - Plan #1	400.0	399.0	22.1	20.8	17.248	SF
UWF12A-03 H04 596 - DD - Plan #2	427.5	427.4	31.4	30.0	22.742	CC, ES
UWF12A-03 H04 596 - DD - Plan #2	1,000.0	1,004.3	52.3	48.4	13.379	SF
UWF12B-03 H04 596 - DD - Plan #1	300.0	300.0	10.4	9.5	11.149	CC
UWF12B-03 H04 596 - DD - Plan #1	400.0	400.0	10.6	9.3	8.275	ES
UWF12B-03 H04 596 - DD - Plan #1	800.0	801.9	15.1	12.4	5.573	SF
UWF12C-03 H04 596 - DD - Plan #1	580.7	579.6	11.0	9.1	5.618	CC
UWF12C-03 H04 596 - DD - Plan #1	600.0	598.8	11.1	9.0	5.407	ES
UWF12C-03 H04 596 - DD - Plan #1	700.0	698.4	12.6	10.0	4.837	SF
UWF12E-03 H04 596 - DD - Plan #1	576.9	576.3	16.5	14.5	8.408	CC, ES
UWF12E-03 H04 596 - DD - Plan #1	600.0	599.2	16.7	14.6	8.136	SF
UWF13A-03 H04 596 - DD - Plan #1	573.8	572.7	27.4	25.5	14.112	CC, ES
UWF13A-03 H04 596 - DD - Plan #1	700.0	697.5	31.2	28.7	12.269	SF
UWF13B-03 H04 596 - DD - Plan #2	528.5	527.1	38.4	36.7	21.884	CC, ES
UWF13B-03 H04 596 - DD - Plan #2	1,300.0	1,283.1	133.5	124.6	15.034	SF
UWF13C-03 H04 596 - DD - Plan #2	449.8	448.7	50.2	48.7	34.368	CC, ES
UWF13C-03 H04 596 - DD - Plan #2	1,600.0	1,557.8	236.5	222.2	16.533	SF
UWF13D-03 H04 596 - DD - Plan #1	338.5	338.4	60.0	59.0	56.295	CC, ES
UWF13D-03 H04 596 - DD - Plan #1	1,800.0	1,730.8	323.7	305.2	17.494	SF
UWF13E-03 H04 596 - DD - Plan #1	300.0	300.0	70.4	69.5	75.574	CC, ES
UWF13E-03 H04 596 - DD - Plan #1	2,200.0	2,084.3	490.9	464.2	18.402	SF
UWF14C-04 H04 596 (was 15C-04) - DD - Plan #2	496.9	496.2	48.4	46.7	29.628	CC
UWF14C-04 H04 596 (was 15C-04) - DD - Plan #2	500.0	499.2	48.4	46.7	29.425	ES

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
H04 596 Pad						
UWF14C-04 H04 596 (was 15C-04) - DD - Plan #2	700.0	692.1	62.4	59.9	24.892	SF
UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2	300.0	300.0	9.6	8.7	10.303	CC, ES
UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2	13,000.0	12,804.2	267.1	105.3	1.651	SF
UWF15A-04 H04 596 - DD - Plan #1	503.8	503.6	28.8	27.1	17.343	CC, ES
UWF15A-04 H04 596 - DD - Plan #1	600.0	597.7	32.7	30.7	16.015	SF
UWF15B-04 H04 596 - DD - Plan #1	300.0	300.0	40.0	39.0	42.886	CC, ES
UWF15B-04 H04 596 - DD - Plan #1	500.0	495.3	48.8	47.2	29.781	SF
UWF15D-04 H04 596 - DD - Plan #1	473.8	473.0	59.3	57.7	38.281	CC, ES
UWF15D-04 H04 596 - DD - Plan #1	700.0	689.8	75.1	72.6	29.940	SF
UWF15E-04 H04 596 - DD - Plan #1	133.3	133.3	69.4	69.0	198.015	CC, ES
UWF15E-04 H04 596 - DD - Plan #1	1,400.0	1,227.7	470.3	461.8	55.147	SF
WF10D O03 - Existing - Existing	7,332.7	32,067.3	191.7	42.3	1.283	Level 3, CC, ES, SF

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft		
Survey Program: 17-MWD													H04 596 Pad - CP01B-04 H04 ST1 - Existing - Existing		Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor				
0.0	0.0	37.0	4.3	0.0	0.0	-165.92	-111.0	-27.8	114.7							
100.0	100.0	129.1	96.4	0.1	0.2	-166.32	-111.6	-27.2	114.9	114.6	0.31	366.973				
200.0	200.0	229.9	197.2	0.3	0.4	-166.18	-111.9	-27.5	115.2	114.5	0.66	173.688				
300.0	300.0	331.8	299.0	0.5	0.6	-165.51	-110.6	-28.6	114.3	113.2	1.02	112.367				
400.0	400.0	433.4	400.6	0.6	0.7	75.96	-107.2	-30.5	111.4	110.0	1.37	81.146				
500.0	499.8	533.8	500.9	0.8	0.9	80.52	-103.0	-32.6	107.0	105.2	1.75	61.239				
600.0	599.3	633.5	600.3	1.1	1.1	89.29	-97.1	-35.8	102.0	99.8	2.18	46.842				
683.9	682.2	715.4	682.0	1.3	1.3	99.26	-91.8	-38.3	99.9	97.3	2.60	38.499	CC, ES			
700.0	698.0	730.8	697.4	1.4	1.3	101.39	-90.9	-38.8	100.0	97.3	2.68	37.390				
800.0	795.8	827.0	793.4	1.7	1.5	115.77	-84.7	-42.6	105.6	102.4	3.21	32.933				
900.0	892.4	921.0	887.0	2.2	1.7	130.02	-77.4	-46.6	120.6	116.9	3.68	32.739	SF			
1,000.0	987.5	1,014.4	979.9	2.8	2.0	142.23	-69.2	-51.2	146.5	142.5	4.05	36.171				
1,100.0	1,080.9	1,106.3	1,071.5	3.5	2.2	151.17	-61.6	-54.1	180.1	175.8	4.34	41.461				
1,200.0	1,172.2	1,193.0	1,157.7	4.3	2.4	157.52	-54.3	-56.9	221.4	216.8	4.60	48.102				
1,300.0	1,261.3	1,274.6	1,238.9	5.1	2.6	162.33	-45.8	-60.1	270.1	265.3	4.83	55.977				
1,400.0	1,347.9	1,353.5	1,317.2	6.1	2.8	165.88	-37.3	-64.1	325.6	320.6	5.03	64.731				
1,500.0	1,431.8	1,433.3	1,396.4	7.2	3.0	168.63	-28.9	-68.1	386.1	380.8	5.22	73.951				
1,600.0	1,512.6	1,503.7	1,466.4	8.4	3.2	170.50	-21.4	-71.9	451.3	445.9	5.40	83.506				

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 17-MWD													Offset Well Error:		0.0 ft
H04 596 Pad - CP05B-03 H04 - Existing - Existing															
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
0.0	0.0	37.0	24.3	0.0	0.0	-165.78	-132.7	-33.6	139.6						
100.0	100.0	110.2	97.5	0.1	0.2	-165.85	-132.7	-33.5	136.8	136.5	0.28	489.609			
200.0	200.0	210.1	197.5	0.3	0.3	-166.02	-132.4	-33.0	136.5	135.8	0.63	217.160			
299.5	299.5	309.2	296.5	0.5	0.5	-166.98	-132.7	-30.7	136.2	135.2	0.98	139.577			
300.0	300.0	309.7	297.0	0.5	0.5	-166.98	-132.7	-30.7	136.2	135.2	0.98	139.350			
400.0	400.0	410.6	397.8	0.6	0.7	71.20	-133.3	-26.5	135.7	134.3	1.34	101.008			
500.0	499.8	508.4	495.5	0.8	0.9	71.47	-134.4	-22.3	134.3	132.6	1.71	78.342			
600.0	599.3	609.1	596.1	1.1	1.1	73.87	-135.9	-17.9	131.6	129.5	2.13	61.670			
700.0	698.0	708.7	695.6	1.4	1.3	78.46	-137.5	-13.1	128.0	125.4	2.63	48.761			
800.0	795.8	809.1	795.8	1.7	1.5	85.73	-137.8	-7.7	123.3	120.1	3.21	38.426			
900.0	892.4	907.3	893.9	2.2	1.7	95.68	-137.8	-2.4	120.8	116.9	3.86	31.307			
924.1	915.5	931.3	917.9	2.4	1.7	98.60	-137.5	-1.1	120.6	116.6	4.02	29.973 CC, ES			
1,000.0	987.5	1,004.1	990.6	2.8	1.8	108.39	-135.9	2.5	122.6	118.1	4.49	27.266			
1,100.0	1,080.9	1,100.6	1,086.9	3.5	2.0	121.75	-134.1	7.4	133.1	128.0	5.02	26.488 SF			
1,200.0	1,172.2	1,197.0	1,183.0	4.3	2.3	134.23	-130.9	14.8	151.0	145.6	5.38	28.088			
1,300.0	1,261.3	1,288.1	1,273.6	5.1	2.5	144.38	-127.1	22.6	178.1	172.5	5.59	31.850			
1,400.0	1,347.9	1,375.4	1,360.6	6.1	2.6	152.23	-123.1	29.6	214.8	209.0	5.74	37.424			
1,500.0	1,431.8	1,461.1	1,445.9	7.2	2.8	158.39	-118.2	36.2	259.5	253.6	5.84	44.399			
1,600.0	1,512.6	1,545.7	1,530.0	8.4	3.0	163.17	-113.1	43.2	310.4	304.4	5.93	52.303			
1,700.0	1,590.6	1,626.7	1,610.5	9.6	3.2	167.06	-107.4	50.6	366.4	360.4	6.03	60.738			
1,800.0	1,667.9	1,703.8	1,687.1	10.9	3.4	170.17	-101.6	57.5	424.5	418.3	6.19	68.582			
1,900.0	1,745.2	1,777.4	1,760.3	12.1	3.6	172.46	-95.9	63.5	483.9	477.5	6.39	75.764			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 17-MWD													Offset Well Error:		0.0 ft
H04 596 Pad - CP08D-04 H04 - Existing - Existing															
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
0.0	0.0	37.0	24.3	0.0	0.0	-165.80	-123.6	-31.3	130.3						
100.0	100.0	109.9	97.2	0.1	0.2	-165.78	-123.3	-31.2	127.2	127.0	0.28	455.985			
200.0	200.0	210.0	197.3	0.3	0.3	-165.72	-123.1	-31.3	127.0	126.4	0.63	202.180			
300.0	300.0	310.1	297.4	0.5	0.5	-165.74	-122.8	-31.2	126.8	125.8	0.98	129.663			
400.0	400.0	410.2	397.5	0.6	0.7	74.13	-122.6	-30.9	126.2	124.9	1.33	95.122			
500.0	499.8	510.1	497.4	0.8	0.9	76.30	-122.3	-30.4	124.5	122.8	1.69	73.629			
600.0	599.3	609.2	596.5	1.1	1.0	81.04	-122.0	-30.2	122.0	119.9	2.09	58.257			
700.0	698.0	707.7	695.0	1.4	1.2	88.21	-122.1	-29.9	120.5	117.9	2.57	46.903			
720.9	718.6	728.3	715.6	1.4	1.2	90.03	-122.1	-29.9	120.5	117.8	2.69	44.855 CC, ES			
800.0	795.8	805.7	792.9	1.7	1.4	97.89	-121.9	-30.0	121.6	118.5	3.12	39.002			
900.0	892.4	902.4	889.7	2.2	1.5	108.93	-121.8	-29.8	127.6	123.9	3.70	34.457			
1,000.0	987.5	997.4	984.7	2.8	1.7	120.18	-121.6	-30.0	141.1	136.8	4.26	33.113 SF			
1,100.0	1,080.9	1,090.6	1,077.9	3.5	1.9	130.14	-121.7	-29.6	162.4	157.7	4.75	34.213			
1,200.0	1,172.2	1,180.9	1,168.2	4.3	2.0	138.16	-122.5	-29.9	192.6	187.4	5.17	37.284			
1,300.0	1,261.3	1,270.3	1,257.6	5.1	2.2	144.52	-123.6	-30.0	229.9	224.3	5.53	41.544			
1,400.0	1,347.9	1,355.0	1,342.2	6.1	2.3	149.29	-124.8	-30.7	274.2	268.3	5.87	46.674			
1,500.0	1,431.8	1,439.9	1,427.1	7.2	2.5	153.17	-125.8	-31.3	324.2	318.1	6.19	52.418			
1,600.0	1,512.6	1,516.5	1,503.8	8.4	2.6	155.95	-126.4	-32.2	380.0	373.5	6.50	58.457			
1,700.0	1,590.6	1,596.6	1,583.8	9.6	2.8	158.70	-126.8	-33.4	440.6	433.9	6.77	65.099			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 17-MWD													Offset Well Error:		0.0 ft
H04 596 Pad - CP12D-03 H04 - Existing - Existing															
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)					
0.0	0.0	37.0	24.3	0.0	0.0	-165.60	-142.9	-36.7	150.2						
100.0	100.0	108.2	95.5	0.1	0.2	-165.92	-143.3	-35.9	147.8	147.5	0.28	534.182 CC, ES			
200.0	200.0	207.9	195.2	0.3	0.3	-166.46	-144.1	-34.7	148.2	147.6	0.63	236.387			
300.0	300.0	307.0	294.3	0.5	0.5	-167.26	-145.3	-32.8	149.0	148.0	0.98	152.315			
400.0	400.0	404.2	391.4	0.6	0.7	71.53	-147.8	-30.5	150.8	149.4	1.33	113.145			
500.0	499.8	503.8	490.9	0.8	0.9	72.17	-151.5	-28.1	152.3	150.6	1.70	89.482			
600.0	599.3	602.5	589.5	1.1	1.1	74.75	-155.6	-26.0	152.8	150.7	2.11	72.357			
700.0	698.0	701.3	688.2	1.4	1.3	79.32	-160.0	-24.4	153.1	150.5	2.60	58.995			
800.0	795.8	799.8	786.6	1.7	1.5	85.55	-164.8	-22.5	154.1	150.9	3.18	48.508			
900.0	892.4	898.5	885.2	2.2	1.6	93.45	-169.3	-20.4	156.8	153.0	3.85	40.716			
1,000.0	987.5	997.9	984.4	2.8	1.8	102.52	-173.0	-17.0	162.2	157.6	4.59	35.357			
1,100.0	1,080.9	1,095.8	1,082.2	3.5	2.0	112.18	-175.5	-12.3	171.6	166.3	5.31	32.335			
1,200.0	1,172.2	1,186.1	1,172.3	4.3	2.2	120.92	-178.2	-7.6	188.2	182.2	5.96	31.572 SF			
1,300.0	1,261.3	1,274.4	1,260.4	5.1	2.4	128.42	-182.9	-4.1	214.4	207.8	6.55	32.746			
1,400.0	1,347.9	1,362.3	1,348.2	6.1	2.6	134.89	-188.0	-1.5	248.8	241.7	7.06	35.255			
1,500.0	1,431.8	1,449.9	1,435.5	7.2	2.8	140.29	-193.1	1.1	289.9	282.4	7.51	38.609			
1,600.0	1,512.6	1,535.8	1,521.3	8.4	2.9	144.59	-198.7	4.1	336.9	328.9	7.94	42.444			
1,700.0	1,590.6	1,622.3	1,607.4	9.6	3.1	148.38	-205.3	7.8	388.4	380.1	8.32	46.698			
1,800.0	1,667.9	1,707.3	1,692.1	10.9	3.3	151.83	-211.6	12.2	441.2	432.6	8.63	51.143			
1,900.0	1,745.2	1,789.5	1,773.9	12.1	3.5	154.55	-217.3	16.8	494.7	485.8	8.93	55.414			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference													Warning		
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	-164.10	-76.9	-21.9	79.9						
100.0	100.0	100.0	100.0	0.1	0.1	-164.10	-76.9	-21.9	79.9	79.7	0.23	341.845			
134.2	134.2	134.2	134.2	0.2	0.2	-164.10	-76.9	-21.9	79.9	79.6	0.35	226.333 CC			
200.0	200.0	199.4	199.4	0.3	0.3	-163.66	-76.9	-22.5	80.1	79.5	0.58	137.681 ES			
300.0	300.0	298.0	297.9	0.5	0.5	-160.23	-76.9	-27.6	81.7	80.8	0.93	87.936			
400.0	400.0	395.7	395.0	0.6	0.7	86.14	-76.9	-37.7	85.7	84.4	1.36	63.035			
500.0	499.8	491.3	489.5	0.8	1.1	96.99	-76.9	-52.3	94.2	92.4	1.80	52.356			
600.0	599.3	583.4	579.7	1.1	1.4	109.32	-76.9	-70.9	111.0	108.7	2.24	49.642 SF			
700.0	698.0	670.9	664.5	1.4	1.9	120.15	-76.9	-92.5	138.7	136.1	2.65	52.440			
800.0	795.8	753.0	743.0	1.7	2.3	128.32	-76.9	-116.3	177.5	174.5	3.03	58.512			
900.0	892.4	829.0	814.8	2.2	2.8	134.02	-76.9	-141.3	226.2	222.8	3.42	66.093			
1,000.0	987.5	900.0	880.9	2.8	3.3	137.95	-76.9	-167.3	283.6	279.7	3.83	73.996			
1,100.0	1,080.9	961.5	937.3	3.5	3.8	140.29	-76.9	-191.7	348.2	343.9	4.28	81.300			
1,200.0	1,172.2	1,017.9	988.4	4.3	4.3	141.68	-76.9	-215.7	419.2	414.4	4.79	87.559			
1,300.0	1,261.3	1,067.9	1,032.9	5.1	4.8	142.25	-76.9	-238.2	495.6	490.2	5.37	92.253			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-164.25	-86.0	-24.2	89.3						
100.0	100.0	100.0	100.0	0.1	0.1	-164.25	-86.0	-24.2	89.3	89.1	0.23	382.025			
200.0	200.0	200.0	200.0	0.3	0.3	-164.25	-86.0	-24.2	89.3	88.8	0.58	153.268			
300.0	300.0	300.0	300.0	0.5	0.5	-164.25	-86.0	-24.2	89.3	88.4	0.93	95.864			
400.0	400.0	400.0	400.0	0.6	0.6	75.84	-86.0	-24.2	89.2	87.9	1.28	69.597			
500.0	499.8	499.8	499.8	0.8	0.8	79.17	-86.0	-24.2	88.0	86.4	1.64	53.532			
600.0	599.3	599.3	599.3	1.1	1.0	85.97	-86.0	-24.2	86.7	84.6	2.05	42.260			
700.0	698.0	700.7	700.6	1.4	1.2	95.08	-86.0	-21.6	85.5	82.9	2.53	33.782			
800.0	795.8	802.5	802.1	1.7	1.4	105.13	-86.0	-13.5	84.0	80.9	3.08	27.264			
900.0	892.4	904.6	903.4	2.2	1.6	116.43	-86.0	0.0	82.9	79.2	3.65	22.706			
929.3	920.5	934.6	932.8	2.4	1.7	119.98	-86.0	5.0	82.8	79.0	3.81	21.707 CC, ES			
1,000.0	987.5	1,000.0	997.4	2.8	1.9	127.93	-87.0	15.8	85.5	81.4	4.14	20.631 SF			
1,100.0	1,080.9	1,095.9	1,092.2	3.5	2.1	138.24	-92.0	29.5	98.4	93.9	4.55	21.637			
1,200.0	1,172.2	1,189.1	1,184.2	4.3	2.4	145.19	-100.7	40.5	120.9	115.9	4.94	24.474			
1,300.0	1,261.3	1,280.3	1,274.3	5.1	2.6	149.19	-113.1	49.0	151.4	146.0	5.39	28.079			
1,400.0	1,347.9	1,369.0	1,361.4	6.1	2.9	151.14	-128.7	55.1	188.8	182.9	5.94	31.763			
1,500.0	1,431.8	1,454.7	1,444.9	7.2	3.2	151.81	-147.0	58.9	232.5	225.9	6.62	35.137			
1,600.0	1,512.6	1,536.8	1,524.4	8.4	3.4	151.69	-167.5	60.7	282.1	274.6	7.42	38.030			
1,700.0	1,590.6	1,615.1	1,599.5	9.6	3.8	151.42	-189.8	60.6	336.8	328.5	8.30	40.555			
1,800.0	1,667.9	1,691.2	1,671.7	10.9	4.1	151.22	-214.0	58.9	393.7	384.4	9.26	42.503			
1,900.0	1,745.2	1,765.5	1,741.1	12.1	4.5	150.66	-239.8	55.7	451.9	441.6	10.33	43.758			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	19.50	132.6	46.9	140.6						
100.0	100.0	100.0	100.0	0.1	0.1	19.50	132.6	46.9	140.6	140.4	0.23	601.286			
200.0	200.0	200.0	200.0	0.3	0.3	19.50	132.6	46.9	140.6	140.0	0.58	241.235			
300.0	300.0	300.0	300.0	0.5	0.5	19.50	132.6	46.9	140.6	139.7	0.93	150.885 CC, ES			
400.0	400.0	396.7	396.7	0.6	0.6	-101.93	134.3	45.2	141.9	140.6	1.28	110.794			
500.0	499.8	492.4	492.0	0.8	0.8	-106.21	139.5	40.2	146.9	145.3	1.66	88.423			
600.0	599.3	585.5	584.4	1.1	1.1	-112.93	147.8	32.0	157.8	155.7	2.10	75.276			
700.0	698.0	674.7	672.3	1.4	1.4	-120.62	158.7	21.3	176.9	174.3	2.57	68.858			
800.0	795.8	759.1	754.7	1.7	1.7	-127.93	171.8	8.5	206.0	203.0	3.05	67.612 SF			
900.0	892.4	840.5	833.4	2.2	2.1	-134.26	186.7	-6.1	245.4	241.9	3.50	70.094			
1,000.0	987.5	924.2	914.0	2.8	2.5	-139.63	202.7	-21.7	292.4	288.4	3.94	74.267			
1,100.0	1,080.9	1,005.0	991.9	3.5	2.9	-143.74	218.0	-36.8	345.3	340.9	4.36	79.252			
1,200.0	1,172.2	1,082.5	1,066.6	4.3	3.3	-146.89	232.8	-51.3	403.5	398.7	4.77	84.522			
1,300.0	1,261.3	1,156.7	1,138.1	5.1	3.6	-149.29	247.0	-65.1	466.6	461.4	5.20	89.768			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	15.59	134.6	37.5	139.7						
100.0	100.0	100.0	100.0	0.1	0.1	15.59	134.6	37.5	139.7	139.5	0.23	597.419			
200.0	200.0	200.0	200.0	0.3	0.3	15.59	134.6	37.5	139.7	139.1	0.58	239.683	CC, ES		
300.0	300.0	297.1	297.0	0.5	0.5	14.67	136.1	35.6	140.8	139.8	0.93	150.921			
400.0	400.0	393.6	393.3	0.6	0.7	-108.49	140.8	29.9	144.3	143.0	1.31	109.929			
500.0	499.8	488.3	487.2	0.8	0.9	-114.01	148.3	20.7	152.6	150.9	1.73	88.005			
600.0	599.3	579.7	577.2	1.1	1.3	-121.22	158.3	8.4	168.1	165.9	2.19	76.636			
700.0	698.0	667.8	663.1	1.4	1.6	-128.72	170.5	-6.6	193.0	190.3	2.65	72.760	SF		
800.0	795.8	758.0	750.8	1.7	2.0	-135.64	183.9	-23.1	226.0	222.9	3.09	73.053			
900.0	892.4	845.9	836.2	2.2	2.4	-141.24	196.9	-39.1	265.7	262.2	3.50	75.838			
1,000.0	987.5	931.1	919.1	2.8	2.8	-145.68	209.6	-54.7	311.6	307.7	3.89	80.061			
1,100.0	1,080.9	1,013.5	999.2	3.5	3.1	-149.19	221.8	-69.7	363.2	358.9	4.27	85.103			
1,200.0	1,172.2	1,092.9	1,076.3	4.3	3.5	-151.94	233.6	-84.2	420.0	415.3	4.64	90.561			
1,300.0	1,261.3	1,168.9	1,150.2	5.1	3.8	-154.10	244.9	-98.0	481.5	476.5	5.01	96.155			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	15.54	115.4	32.1	119.7						
100.0	100.0	100.0	100.0	0.1	0.1	15.54	115.4	32.1	119.7	119.5	0.23	511.968			
200.0	200.0	200.0	200.0	0.3	0.3	15.54	115.4	32.1	119.7	119.2	0.58	205.401			
300.0	300.0	300.0	300.0	0.5	0.5	15.54	115.4	32.1	119.7	118.8	0.93	128.472 CC			
328.4	328.4	328.4	328.4	0.5	0.5	-104.83	115.4	32.1	119.8	118.7	1.03	116.126			
400.0	400.0	400.0	400.0	0.6	0.6	-105.08	115.4	32.1	119.9	118.6	1.28	93.572 ES			
500.0	499.8	500.1	500.0	0.8	0.8	-108.66	115.8	29.5	121.3	119.6	1.65	73.538			
600.0	599.3	598.2	597.8	1.1	1.0	-116.46	117.1	22.0	125.6	123.6	2.07	60.696			
700.0	698.0	689.9	688.8	1.4	1.3	-126.24	120.3	11.0	137.7	135.2	2.53	54.365			
800.0	795.8	777.2	774.9	1.7	1.5	-135.73	126.0	-2.4	161.4	158.4	2.99	53.906 SF			
900.0	892.4	862.7	858.6	2.2	1.8	-143.80	134.0	-18.0	196.7	193.3	3.40	57.778			
1,000.0	987.5	949.2	943.1	2.8	2.2	-150.14	142.4	-34.2	240.1	236.3	3.77	63.677			
1,100.0	1,080.9	1,032.8	1,024.9	3.5	2.5	-154.82	150.6	-49.9	289.9	285.8	4.10	70.711			
1,200.0	1,172.2	1,113.5	1,103.7	4.3	2.8	-158.30	158.5	-65.0	345.4	341.0	4.41	78.397			
1,300.0	1,261.3	1,191.0	1,179.5	5.1	3.1	-160.92	166.1	-79.5	405.9	401.2	4.69	86.452			
1,400.0	1,347.9	1,265.1	1,251.9	6.1	3.4	-162.91	173.3	-93.4	470.9	466.0	4.97	94.699			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	-170.99	-78.9	-12.5	79.9						
100.0	100.0	100.0	100.0	0.1	0.1	-170.99	-78.9	-12.5	79.9	79.7	0.23	341.637			
200.0	200.0	200.0	200.0	0.3	0.3	-170.99	-78.9	-12.5	79.9	79.3	0.58	137.064			
233.4	233.4	233.4	233.4	0.3	0.3	-170.99	-78.9	-12.5	79.9	79.2	0.70	114.212	CC, ES		
300.0	300.0	298.3	298.3	0.5	0.5	-171.22	-79.5	-12.3	80.4	79.5	0.93	86.534			
400.0	400.0	394.6	394.5	0.6	0.6	67.05	-84.0	-10.4	84.5	83.2	1.28	66.192			
500.0	499.8	490.6	489.9	0.8	0.9	66.70	-92.8	-6.6	91.2	89.5	1.65	55.325			
600.0	599.3	586.1	584.3	1.1	1.2	67.58	-106.1	-1.0	100.1	98.0	2.08	48.191			
700.0	698.0	680.9	677.3	1.4	1.5	69.30	-123.5	6.4	111.4	108.8	2.60	42.760			
800.0	795.8	775.0	768.4	1.7	2.0	71.50	-144.9	15.5	125.1	121.8	3.27	38.290			
900.0	892.4	868.3	857.6	2.2	2.5	73.89	-170.2	26.2	141.4	137.3	4.09	34.561			
1,000.0	987.5	960.6	944.4	2.8	3.1	76.26	-199.2	38.5	160.4	155.3	5.09	31.504			
1,100.0	1,080.9	1,052.0	1,028.6	3.5	3.7	78.46	-231.6	52.3	182.0	175.8	6.27	29.049			
1,200.0	1,172.2	1,142.2	1,110.1	4.3	4.4	80.44	-267.3	67.4	206.4	198.8	7.61	27.105			
1,300.0	1,261.3	1,231.3	1,188.6	5.1	5.2	82.16	-305.9	83.8	233.4	224.3	9.13	25.575			
1,400.0	1,347.9	1,319.7	1,264.6	6.1	6.0	83.63	-347.5	101.4	263.0	252.2	10.79	24.378			
1,500.0	1,431.8	1,414.0	1,344.7	7.2	6.9	85.45	-393.4	120.9	293.7	281.0	12.65	23.216			
1,600.0	1,512.6	1,507.5	1,424.2	8.4	7.8	87.67	-438.9	140.2	324.7	310.1	14.66	22.154			
1,700.0	1,590.6	1,600.3	1,502.9	9.6	8.7	90.46	-483.9	159.3	356.6	339.8	16.77	21.263			
1,800.0	1,667.9	1,692.8	1,581.5	10.9	9.6	93.48	-528.9	178.4	389.5	370.6	18.90	20.608			
1,900.0	1,745.2	1,785.3	1,660.0	12.1	10.4	96.04	-573.9	197.5	423.3	402.3	21.01	20.153			
2,000.0	1,822.5	1,877.8	1,738.6	13.4	11.3	98.22	-618.8	216.5	457.8	434.7	23.08	19.832			
2,100.0	1,899.8	1,970.3	1,817.1	14.6	12.2	100.11	-663.8	235.6	492.7	467.6	25.14	19.603	SF		

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	20.01	122.4	44.6	130.3						
100.0	100.0	100.0	100.0	0.1	0.1	20.01	122.4	44.6	130.3	130.1	0.23	557.141			
200.0	200.0	200.0	200.0	0.3	0.3	20.01	122.4	44.6	130.3	129.7	0.58	223.524			
300.0	300.0	300.0	300.0	0.5	0.5	20.01	122.4	44.6	130.3	129.4	0.93	139.807 CC			
328.6	328.6	328.6	328.6	0.5	0.5	-100.36	122.4	44.6	130.3	129.3	1.03	126.267			
400.0	400.0	400.0	400.0	0.6	0.6	-100.59	122.4	44.6	130.4	129.1	1.28	101.776 ES			
500.0	499.8	497.7	497.7	0.8	0.8	-103.76	123.9	42.5	132.3	130.6	1.65	80.401			
600.0	599.3	593.5	593.2	1.1	1.0	-110.49	128.1	36.6	138.3	136.2	2.06	67.103			
700.0	698.0	686.0	684.9	1.4	1.3	-119.30	134.7	27.1	151.4	148.9	2.53	59.825			
800.0	795.8	774.9	772.5	1.7	1.5	-128.45	143.3	14.5	174.4	171.3	3.01	57.878 SF			
900.0	892.4	859.2	854.8	2.2	1.9	-136.73	152.7	-1.0	207.8	204.3	3.48	59.660			
1,000.0	987.5	937.3	930.3	2.8	2.2	-143.47	162.2	-18.5	251.7	247.8	3.91	64.385			
1,100.0	1,080.9	1,008.5	998.5	3.5	2.6	-148.64	171.5	-37.0	305.3	301.0	4.29	71.079			
1,200.0	1,172.2	1,072.7	1,059.2	4.3	3.0	-152.48	180.5	-55.8	367.3	362.7	4.67	78.719			
1,300.0	1,261.3	1,130.0	1,112.7	5.1	3.4	-155.26	189.0	-74.2	436.7	431.7	5.03	86.882			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	-170.52	-89.0	-14.9	90.3						
100.0	100.0	100.0	100.0	0.1	0.1	-170.52	-89.0	-14.9	90.3	90.0	0.23	385.932			
200.0	200.0	200.0	200.0	0.3	0.3	-170.52	-89.0	-14.9	90.3	89.7	0.58	154.835 CC, ES			
300.0	300.0	296.0	296.0	0.5	0.5	-171.29	-91.3	-14.0	92.4	91.5	0.93	99.003			
400.0	400.0	391.6	391.3	0.6	0.7	66.51	-98.0	-11.3	98.7	97.5	1.28	77.199			
500.0	499.8	486.7	485.6	0.8	0.9	65.68	-109.0	-7.0	107.7	106.0	1.65	65.052			
600.0	599.3	581.1	578.6	1.1	1.3	66.03	-124.3	-0.9	118.8	116.7	2.09	56.913			
700.0	698.0	674.8	669.9	1.4	1.7	67.21	-143.6	6.7	132.2	129.6	2.61	50.586			
800.0	795.8	767.6	759.2	1.7	2.2	68.89	-166.9	15.9	147.9	144.7	3.27	45.281			
900.0	892.4	859.4	846.3	2.2	2.7	70.84	-193.8	26.6	166.1	162.0	4.07	40.773			
1,000.0	987.5	950.1	931.0	2.8	3.3	72.85	-224.3	38.6	186.8	181.7	5.05	37.001			
1,100.0	1,080.9	1,039.7	1,012.9	3.5	4.0	74.79	-257.9	51.9	210.0	203.8	6.19	33.908			
1,200.0	1,172.2	1,128.0	1,091.9	4.3	4.7	76.60	-294.6	66.4	235.8	228.3	7.51	31.408			
1,300.0	1,261.3	1,215.1	1,168.0	5.1	5.5	78.21	-334.1	82.0	264.1	255.2	8.98	29.403			
1,400.0	1,347.9	1,300.0	1,240.2	6.1	6.3	79.60	-375.6	98.4	295.0	284.4	10.60	27.817			
1,500.0	1,431.8	1,392.5	1,317.3	7.2	7.2	81.20	-423.1	117.2	327.5	315.0	12.44	26.321			
1,600.0	1,512.6	1,485.5	1,394.8	8.4	8.1	83.17	-470.9	136.1	360.0	345.5	14.45	24.915			
1,700.0	1,590.6	1,577.7	1,471.6	9.6	9.1	85.73	-518.4	154.8	392.9	376.4	16.59	23.686			
1,800.0	1,667.9	1,669.7	1,548.2	10.9	10.0	88.58	-565.7	173.5	426.8	408.1	18.77	22.736			
1,900.0	1,745.2	1,761.7	1,624.9	12.1	10.9	91.02	-613.1	192.3	461.6	440.7	20.94	22.043			
2,000.0	1,822.5	1,853.7	1,701.5	13.4	11.8	93.13	-660.4	211.0	497.0	473.9	23.09	21.526 SF			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset															
Semi Major Axis															
Distance															
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	15.67	125.5	35.2	130.3						
100.0	100.0	100.0	100.0	0.1	0.1	15.67	125.5	35.2	130.3	130.1	0.23	557.236			
200.0	200.0	202.1	202.1	0.3	0.3	15.42	125.2	34.5	129.9	129.3	0.59	221.492			
300.0	300.0	305.9	305.7	0.5	0.5	13.33	123.3	29.2	126.8	125.9	0.94	134.577			
400.0	400.0	408.7	407.9	0.6	0.8	-111.77	119.5	18.8	121.5	120.1	1.39	87.169			
500.0	499.8	509.3	507.2	0.8	1.1	-121.24	114.0	3.5	117.2	115.2	1.92	61.046			
531.4	531.1	540.2	537.5	0.9	1.2	-125.14	111.9	-2.1	116.8	114.7	2.12	55.104	CC, ES		
600.0	599.3	606.4	602.0	1.1	1.5	-134.75	106.9	-15.8	119.0	116.5	2.55	46.739			
700.0	698.0	696.5	689.2	1.4	2.0	-149.01	99.4	-37.7	133.1	129.9	3.14	42.322	SF		
800.0	795.8	779.8	768.9	1.7	2.4	-160.47	94.3	-61.0	163.4	159.8	3.62	45.154			
900.0	892.4	857.4	842.6	2.2	2.9	-168.53	91.3	-85.4	207.7	203.7	3.98	52.255			
1,000.0	987.5	929.0	909.8	2.8	3.4	-173.91	90.2	-110.0	262.8	258.5	4.26	61.741			
1,100.0	1,080.9	1,000.0	975.7	3.5	3.9	-177.80	90.7	-136.4	326.5	322.0	4.50	72.502			
1,200.0	1,172.2	1,052.6	1,023.9	4.3	4.3	-180.00	92.0	-157.3	397.0	392.3	4.69	84.593			
1,300.0	1,261.3	1,100.0	1,067.0	5.1	4.6	178.34	93.9	-177.0	473.4	468.5	4.86	97.370			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	-169.61	-98.1	-18.0	99.8						
100.0	100.0	100.0	100.0	0.1	0.1	-169.61	-98.1	-18.0	99.8	99.5	0.23	426.595			
133.4	133.4	133.4	133.4	0.2	0.2	-169.61	-98.1	-18.0	99.8	99.4	0.35	284.707	CC, ES		
200.0	200.0	197.8	197.8	0.3	0.3	-169.79	-98.7	-17.8	100.3	99.7	0.58	172.940			
300.0	300.0	293.3	293.1	0.5	0.5	-171.12	-103.2	-16.1	104.7	103.7	0.95	110.734			
400.0	400.0	388.1	387.4	0.6	0.7	66.38	-112.0	-12.9	113.2	111.9	1.28	88.289			
500.0	499.8	482.2	480.5	0.8	1.0	65.21	-125.2	-8.0	124.4	122.7	1.66	74.839			
600.0	599.3	575.5	572.0	1.1	1.4	65.17	-142.4	-1.6	137.8	135.7	2.10	65.704			
700.0	698.0	668.0	661.6	1.4	1.8	65.93	-163.6	6.2	153.4	150.8	2.62	58.505			
800.0	795.8	759.4	749.1	1.7	2.3	67.21	-188.6	15.4	171.2	167.9	3.27	52.402			
900.0	892.4	849.7	834.2	2.2	2.9	68.77	-217.0	26.0	191.3	187.2	4.06	47.153			
1,000.0	987.5	938.9	916.6	2.8	3.5	70.45	-248.8	37.7	213.8	208.8	5.01	42.702			
1,100.0	1,080.9	1,026.7	996.3	3.5	4.2	72.13	-283.6	50.6	238.6	232.5	6.12	38.996			
1,200.0	1,172.2	1,113.3	1,073.0	4.3	5.0	73.73	-321.2	64.5	266.0	258.6	7.40	35.954			
1,300.0	1,261.3	1,200.0	1,147.9	5.1	5.8	75.24	-362.1	79.6	295.7	286.9	8.85	33.428			
1,400.0	1,347.9	1,282.2	1,217.1	6.1	6.6	76.50	-403.8	95.0	327.9	317.4	10.43	31.436			
1,500.0	1,431.8	1,369.9	1,288.9	7.2	7.5	77.84	-450.9	112.4	362.0	349.8	12.20	29.672			
1,600.0	1,512.6	1,462.1	1,364.3	8.4	8.4	79.57	-500.8	130.9	396.2	382.0	14.18	27.930			
1,700.0	1,590.6	1,553.7	1,439.1	9.6	9.4	81.89	-550.3	149.2	430.5	414.1	16.32	26.371			
1,800.0	1,667.9	1,645.2	1,513.8	10.9	10.3	84.58	-599.8	167.5	465.6	447.1	18.53	25.131	SF		

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	20.44	113.3	42.2	120.9						
100.0	100.0	100.0	100.0	0.1	0.1	20.44	113.3	42.2	120.9	120.7	0.23	517.153			
200.0	200.0	200.0	200.0	0.3	0.3	20.44	113.3	42.2	120.9	120.4	0.58	207.481	CC, ES		
300.0	300.0	296.3	296.2	0.5	0.5	21.39	113.7	44.5	122.2	121.2	0.93	131.994			
400.0	400.0	390.6	390.3	0.6	0.7	-97.09	116.7	50.5	127.6	126.3	1.28	99.492			
500.0	499.8	484.2	483.2	0.8	0.9	-96.16	122.6	59.9	138.0	136.4	1.66	82.952			
600.0	599.3	576.6	574.4	1.1	1.2	-96.29	131.4	72.6	153.4	151.3	2.11	72.847			
700.0	698.0	667.5	663.2	1.4	1.6	-97.11	142.8	88.4	173.7	171.0	2.64	65.854			
800.0	795.8	762.2	754.9	1.7	2.0	-98.60	156.7	107.3	197.8	194.5	3.28	60.232			
900.0	892.4	858.3	847.9	2.2	2.5	-100.92	171.0	126.5	223.2	219.2	4.05	55.144			
1,000.0	987.5	953.4	940.0	2.8	2.9	-103.73	185.2	145.6	250.4	245.5	4.92	50.876			
1,100.0	1,080.9	1,047.3	1,030.9	3.5	3.4	-106.79	199.2	164.5	279.8	273.9	5.89	47.503			
1,200.0	1,172.2	1,139.7	1,120.4	4.3	3.8	-109.91	212.9	183.0	312.0	305.0	6.94	44.985			
1,300.0	1,261.3	1,230.4	1,208.3	5.1	4.2	-112.96	226.4	201.2	347.3	339.3	8.04	43.223			
1,400.0	1,347.9	1,319.2	1,294.2	6.1	4.6	-115.85	239.6	219.1	386.2	377.0	9.17	42.097			
1,500.0	1,431.8	1,405.7	1,378.0	7.2	5.0	-118.51	252.5	236.4	428.8	418.5	10.34	41.491			
1,600.0	1,512.6	1,489.8	1,459.4	8.4	5.4	-120.89	265.0	253.3	475.4	463.9	11.51	41.298	SF		

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	-164.10	-96.1	-27.4	99.9						
100.0	100.0	100.0	100.0	0.1	0.1	-164.10	-96.1	-27.4	99.9	99.7	0.23	427.315			
133.3	133.3	133.3	133.3	0.2	0.2	-164.10	-96.1	-27.4	99.9	99.6	0.35	285.325 CC, ES			
200.0	200.0	197.6	197.6	0.3	0.3	-164.02	-96.6	-27.7	100.5	100.0	0.58	173.603			
300.0	300.0	292.5	292.4	0.5	0.5	-163.39	-100.7	-30.0	105.4	104.4	0.93	113.048			
400.0	400.0	386.7	386.1	0.6	0.7	77.52	-108.8	-34.7	114.9	113.6	1.26	90.944			
500.0	499.8	479.6	478.0	0.8	1.0	80.56	-120.7	-41.6	128.5	126.9	1.62	79.441			
600.0	599.3	570.7	567.3	1.1	1.4	84.84	-136.1	-50.4	146.7	144.7	2.01	73.136			
700.0	698.0	659.2	653.2	1.4	1.8	89.45	-154.6	-61.1	170.4	168.0	2.46	69.342			
800.0	795.8	744.7	735.2	1.7	2.3	93.78	-175.7	-73.3	200.0	197.0	2.99	66.806			
900.0	892.4	828.2	814.0	2.2	2.8	97.55	-199.3	-86.9	235.8	232.1	3.63	64.903			
1,000.0	987.5	919.4	899.5	2.8	3.3	100.77	-228.0	-100.4	275.0	270.5	4.42	62.147			
1,100.0	1,080.9	1,011.3	985.2	3.5	3.9	103.02	-259.8	-110.6	315.7	310.3	5.37	58.804			
1,200.0	1,172.2	1,104.1	1,070.9	4.3	4.5	104.59	-294.5	-117.4	357.5	351.0	6.47	55.254			
1,300.0	1,261.3	1,197.9	1,156.7	5.1	5.2	105.68	-332.3	-120.7	400.1	392.4	7.73	51.747			
1,400.0	1,347.9	1,292.8	1,242.3	6.1	5.9	106.40	-373.3	-120.4	443.4	434.2	9.16	48.405			
1,500.0	1,431.8	1,388.9	1,327.5	7.2	6.6	106.85	-417.3	-116.3	487.1	476.4	10.75	45.308 SF			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	20.75	103.2	39.1	110.4						
100.0	100.0	100.0	100.0	0.1	0.1	20.75	103.2	39.1	110.4	110.1	0.23	471.966			
200.0	200.0	200.0	200.0	0.3	0.3	20.75	103.2	39.1	110.4	109.8	0.58	189.352			
300.0	300.0	300.0	300.0	0.5	0.5	20.75	103.2	39.1	110.4	109.4	0.93	118.434	CC, ES		
400.0	400.0	395.7	395.7	0.6	0.6	-99.05	104.4	41.2	112.4	111.1	1.28	88.055			
500.0	499.8	491.0	490.7	0.8	0.8	-99.03	107.9	47.5	119.0	117.4	1.65	72.253			
600.0	599.3	585.7	584.6	1.1	1.1	-99.68	113.6	57.8	130.2	128.2	2.08	62.565			
700.0	698.0	679.3	676.8	1.4	1.4	-100.75	121.4	71.9	146.1	143.5	2.61	55.875			
800.0	795.8	772.9	768.1	1.7	1.8	-102.04	131.4	89.9	166.5	163.3	3.26	51.068			
900.0	892.4	869.9	862.4	2.2	2.2	-104.16	142.4	109.7	189.3	185.3	4.03	46.942			
1,000.0	987.5	966.0	955.9	2.8	2.6	-106.99	153.4	129.4	213.9	209.0	4.91	43.598			
1,100.0	1,080.9	1,061.0	1,048.3	3.5	3.0	-110.19	164.1	148.8	240.9	235.0	5.87	41.069			
1,200.0	1,172.2	1,154.7	1,139.3	4.3	3.4	-113.52	174.8	167.9	270.8	263.9	6.89	39.313			
1,300.0	1,261.3	1,246.7	1,228.8	5.1	3.8	-116.81	185.2	186.7	304.1	296.1	7.95	38.239			
1,400.0	1,347.9	1,336.9	1,316.5	6.1	4.2	-119.92	195.4	205.1	341.1	332.0	9.04	37.741			
1,500.0	1,431.8	1,424.9	1,402.0	7.2	4.6	-122.78	205.4	223.1	382.1	371.9	10.13	37.711	SF		
1,600.0	1,512.6	1,510.5	1,485.3	8.4	5.0	-125.34	215.1	240.6	427.2	415.9	11.23	38.052			
1,700.0	1,590.6	1,593.8	1,566.2	9.6	5.4	-128.08	224.6	257.6	476.3	464.0	12.29	38.763			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	15.63	106.3	29.7	110.3						
100.0	100.0	100.0	100.0	0.1	0.1	15.63	106.3	29.7	110.3	110.1	0.23	471.767			
200.0	200.0	200.0	200.0	0.3	0.3	15.63	106.3	29.7	110.3	109.8	0.58	189.272			
300.0	300.0	300.0	300.0	0.5	0.5	15.63	106.3	29.7	110.3	109.4	0.93	118.384			
380.2	380.2	380.6	380.6	0.6	0.6	-105.99	106.5	28.0	110.4	109.2	1.22	90.621			
400.0	400.0	400.5	400.5	0.6	0.6	-106.39	106.7	27.1	110.2	109.0	1.29	85.521	CC, ES		
500.0	499.8	499.9	499.5	0.8	0.9	-112.88	107.9	19.4	111.8	110.1	1.69	66.224			
600.0	599.3	596.5	595.3	1.1	1.1	-123.31	109.8	7.0	118.3	116.2	2.16	54.890			
700.0	698.0	689.1	686.4	1.4	1.4	-135.21	112.4	-9.3	134.2	131.6	2.66	50.532	SF		
800.0	795.8	776.5	771.6	1.7	1.8	-146.03	115.4	-28.7	162.1	159.0	3.12	51.991			
900.0	892.4	857.9	850.0	2.2	2.2	-154.57	118.8	-50.2	202.2	198.6	3.51	57.584			
1,000.0	987.5	932.7	921.2	2.8	2.7	-160.89	122.3	-72.9	253.0	249.1	3.84	65.896			
1,100.0	1,080.9	1,000.0	984.4	3.5	3.1	-165.42	125.9	-95.6	312.9	308.8	4.12	76.034			
1,200.0	1,172.2	1,061.6	1,041.5	4.3	3.6	-168.80	129.5	-118.3	380.5	376.1	4.37	87.124			
1,300.0	1,261.3	1,115.6	1,091.1	5.1	4.0	-171.26	132.8	-139.7	454.5	449.9	4.58	99.243			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	21.34	94.1	36.8	101.0						
100.0	100.0	100.0	100.0	0.1	0.1	21.34	94.1	36.8	101.0	100.8	0.23	432.022			
200.0	200.0	200.0	200.0	0.3	0.3	21.34	94.1	36.8	101.0	100.5	0.58	173.326 CC, ES			
300.0	300.0	296.5	296.5	0.5	0.5	22.35	95.0	39.0	102.7	101.8	0.93	110.905			
400.0	400.0	392.6	392.2	0.6	0.7	-95.37	97.5	45.9	108.1	106.8	1.30	83.437			
500.0	499.8	488.0	486.9	0.8	0.9	-93.39	101.7	57.1	117.6	115.9	1.70	69.173			
600.0	599.3	582.5	580.0	1.1	1.3	-92.37	107.4	72.5	131.0	128.9	2.18	60.133			
700.0	698.0	679.5	674.7	1.4	1.7	-92.42	114.6	91.9	147.5	144.8	2.75	53.570			
800.0	795.8	777.9	770.8	1.7	2.1	-94.11	122.0	111.7	164.6	161.2	3.45	47.761			
900.0	892.4	875.7	866.3	2.2	2.5	-97.00	129.3	131.4	182.4	178.2	4.26	42.842			
1,000.0	987.5	972.8	961.1	2.8	2.9	-100.69	136.6	150.9	201.8	196.6	5.18	38.925			
1,100.0	1,080.9	1,068.8	1,054.9	3.5	3.3	-104.83	143.8	170.3	223.3	217.1	6.20	36.024			
1,200.0	1,172.2	1,163.6	1,147.5	4.3	3.7	-109.16	150.9	189.4	247.8	240.5	7.27	34.066			
1,300.0	1,261.3	1,256.7	1,238.5	5.1	4.0	-113.43	157.9	208.2	275.8	267.5	8.38	32.930			
1,400.0	1,347.9	1,348.1	1,327.7	6.1	4.4	-117.50	164.8	226.6	308.0	298.5	9.48	32.480 SF			
1,500.0	1,431.8	1,437.4	1,414.9	7.2	4.8	-121.23	171.5	244.6	344.5	333.9	10.57	32.586			
1,600.0	1,512.6	1,524.4	1,499.9	8.4	5.2	-124.58	178.0	262.1	385.5	373.9	11.64	33.134			
1,700.0	1,590.6	1,609.1	1,582.5	9.6	5.5	-127.96	184.4	279.2	431.1	418.4	12.64	34.096			
1,800.0	1,667.9	1,693.2	1,664.7	10.9	5.9	-131.44	190.7	296.1	478.8	465.2	13.56	35.299			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	15.57	87.0	24.2	90.3						
100.0	100.0	100.0	100.0	0.1	0.1	15.57	87.0	24.2	90.3	90.1	0.23	386.280			
200.0	200.0	200.0	200.0	0.3	0.3	15.57	87.0	24.2	90.3	89.8	0.58	154.975			
300.0	300.0	300.0	300.0	0.5	0.5	15.57	87.0	24.2	90.3	89.4	0.93	96.932			
399.4	399.4	400.1	400.0	0.6	0.6	-107.19	87.3	21.6	90.3	89.0	1.29	70.157			
400.0	400.0	400.7	400.7	0.6	0.6	-106.82	87.3	21.6	90.1	88.8	1.29	69.881	CC, ES		
500.0	499.8	500.2	499.9	0.8	0.9	-114.77	88.0	13.8	91.4	89.7	1.69	54.138			
600.0	599.3	597.1	595.9	1.1	1.1	-127.36	89.2	1.3	98.3	96.2	2.15	45.703			
700.0	698.0	689.9	687.2	1.4	1.4	-141.07	90.7	-15.2	115.6	113.0	2.63	44.025	SF		
800.0	795.8	777.5	772.6	1.7	1.8	-152.68	92.6	-34.9	145.7	142.6	3.05	47.817			
900.0	892.4	859.2	851.3	2.2	2.2	-161.27	94.6	-56.7	187.8	184.4	3.40	55.266			
1,000.0	987.5	934.4	922.8	2.8	2.7	-167.33	96.8	-79.7	240.2	236.5	3.69	65.003			
1,100.0	1,080.9	1,000.0	984.4	3.5	3.1	-171.45	98.9	-102.1	301.2	297.3	3.95	76.322			
1,200.0	1,172.2	1,064.1	1,043.9	4.3	3.6	-174.73	101.1	-125.9	369.6	365.4	4.19	88.301			
1,300.0	1,261.3	1,118.6	1,093.8	5.1	4.0	-177.06	103.1	-147.8	444.1	439.7	4.39	101.230			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
H04 596 Pad - UWF05B-03 H04 596 - DD - Plan #2															
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)					
0.0	0.0	0.0	0.0	0.0	0.0	21.82	84.0	33.6	90.5						
100.0	100.0	100.0	100.0	0.1	0.1	21.82	84.0	33.6	90.5	90.2	0.23	386.870			
200.0	200.0	200.0	200.0	0.3	0.3	21.82	84.0	33.6	90.5	89.9	0.58	155.211			
300.0	300.0	300.0	300.0	0.5	0.5	21.82	84.0	33.6	90.5	89.5	0.93	97.080	CC, ES		
400.0	400.0	397.4	397.4	0.6	0.6	-97.55	84.5	36.1	92.0	90.7	1.28	71.775			
500.0	499.8	494.6	494.3	0.8	0.8	-96.74	85.9	43.4	96.9	95.2	1.67	58.191			
600.0	599.3	591.3	590.2	1.1	1.1	-96.44	88.2	55.4	105.3	103.2	2.13	49.477			
700.0	698.0	687.5	684.8	1.4	1.4	-96.56	91.5	72.1	117.2	114.5	2.71	43.310			
800.0	795.8	786.3	781.6	1.7	1.8	-97.86	95.3	91.8	131.2	127.8	3.40	38.547			
900.0	892.4	884.9	878.1	2.2	2.2	-100.84	99.1	111.4	146.2	142.0	4.21	34.706			
1,000.0	987.5	982.7	973.9	2.8	2.5	-104.91	102.9	130.8	162.9	157.8	5.12	31.828			
1,100.0	1,080.9	1,079.5	1,068.7	3.5	2.9	-109.58	106.7	150.1	182.1	176.0	6.09	29.905			
1,200.0	1,172.2	1,175.2	1,162.4	4.3	3.3	-114.47	110.4	169.1	204.7	197.6	7.09	28.864			
1,300.0	1,261.3	1,269.3	1,254.6	5.1	3.7	-119.25	114.0	187.9	231.3	223.2	8.09	28.590	SF		
1,400.0	1,347.9	1,361.7	1,345.1	6.1	4.0	-123.73	117.6	206.3	262.3	253.2	9.06	28.957			
1,500.0	1,431.8	1,452.1	1,433.6	7.2	4.4	-127.77	121.1	224.3	298.0	288.0	9.99	29.845			
1,600.0	1,512.6	1,540.3	1,519.9	8.4	4.7	-131.32	124.5	241.8	338.6	327.7	10.87	31.142			
1,700.0	1,590.6	1,626.2	1,604.0	9.6	5.1	-134.77	127.8	258.9	383.8	372.1	11.69	32.841			
1,800.0	1,667.9	1,711.5	1,687.6	10.9	5.4	-138.17	131.2	275.9	431.1	418.6	12.41	34.722			
1,900.0	1,745.2	1,796.9	1,771.2	12.1	5.8	-140.93	134.5	292.9	479.3	466.2	13.11	36.562			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	23.50	64.8	28.2	70.6						
100.0	100.0	100.0	100.0	0.1	0.1	23.50	64.8	28.2	70.6	70.4	0.23	301.985			
200.0	200.0	200.0	200.0	0.3	0.3	23.50	64.8	28.2	70.6	70.0	0.58	121.156			
300.0	300.0	300.0	300.0	0.5	0.5	23.50	64.8	28.2	70.6	69.7	0.93	75.779	CC, ES		
400.0	400.0	398.4	398.4	0.6	0.6	-95.46	64.8	30.7	71.8	70.5	1.28	55.912			
500.0	499.8	496.7	496.3	0.8	0.9	-94.04	64.9	38.3	75.7	74.0	1.67	45.178			
600.0	599.3	594.6	593.4	1.1	1.1	-93.16	65.1	50.8	82.3	80.1	2.15	38.221			
700.0	698.0	692.1	689.3	1.4	1.5	-92.75	65.4	68.3	91.5	88.8	2.75	33.221			
800.0	795.8	791.3	786.4	1.7	1.8	-93.87	65.7	88.8	102.4	98.9	3.48	29.444			
900.0	892.4	890.4	883.4	2.2	2.2	-97.31	66.0	109.2	113.8	109.5	4.32	26.366			
1,000.0	987.5	988.9	979.7	2.8	2.6	-102.32	66.3	129.6	126.8	121.5	5.26	24.109			
1,100.0	1,080.9	1,086.6	1,075.3	3.5	3.0	-108.23	66.6	149.7	142.2	135.9	6.25	22.740			
1,200.0	1,172.2	1,183.1	1,169.8	4.3	3.4	-114.44	66.9	169.7	161.1	153.9	7.25	22.233	SF		
1,300.0	1,261.3	1,278.3	1,262.9	5.1	3.7	-120.47	67.2	189.3	184.3	176.2	8.19	22.503			
1,400.0	1,347.9	1,371.9	1,354.5	6.1	4.1	-126.00	67.5	208.7	212.5	203.4	9.07	23.434			
1,500.0	1,431.8	1,463.5	1,444.2	7.2	4.5	-130.89	67.8	227.6	245.7	235.8	9.86	24.909			
1,600.0	1,512.6	1,553.1	1,531.8	8.4	4.8	-135.08	68.1	246.1	284.2	273.6	10.60	26.814			
1,700.0	1,590.6	1,640.4	1,617.2	9.6	5.2	-138.94	68.3	264.1	327.5	316.3	11.24	29.131			
1,800.0	1,667.9	1,727.3	1,702.2	10.9	5.6	-142.51	68.6	282.1	373.0	361.1	11.81	31.579			
1,900.0	1,745.2	1,814.1	1,787.2	12.1	5.9	-145.33	68.9	300.0	419.3	407.0	12.36	33.924			
2,000.0	1,822.5	1,901.0	1,872.1	13.4	6.3	-147.60	69.1	317.9	466.3	453.4	12.90	36.144			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	26.48	45.5	22.7	50.9						
100.0	100.0	100.0	100.0	0.1	0.1	26.48	45.5	22.7	50.9	50.6	0.23	217.560			
200.0	200.0	200.0	200.0	0.3	0.3	26.48	45.5	22.7	50.9	50.3	0.58	87.285			
300.0	300.0	300.0	300.0	0.5	0.5	26.48	45.5	22.7	50.9	49.9	0.93	54.594 CC, ES			
400.0	400.0	399.6	399.6	0.6	0.6	-91.67	44.7	25.1	51.3	50.0	1.29	39.821			
500.0	499.8	498.5	498.1	0.8	0.9	-89.16	42.7	32.5	53.3	51.6	1.68	31.634			
600.0	599.3	597.1	595.9	1.1	1.1	-87.43	40.2	44.9	57.5	55.3	2.17	26.496			
700.0	698.0	695.4	692.6	1.4	1.5	-86.47	37.2	62.3	63.9	61.1	2.79	22.906			
800.0	795.8	794.9	789.9	1.7	1.8	-87.61	34.0	82.9	71.5	67.9	3.53	20.265			
900.0	892.4	894.4	887.2	2.2	2.2	-92.24	30.8	103.6	79.2	74.8	4.40	18.000			
1,000.0	987.5	993.4	984.0	2.8	2.6	-99.31	27.5	124.1	88.0	82.7	5.37	16.399			
1,100.0	1,080.9	1,091.7	1,080.1	3.5	3.0	-107.75	24.3	144.5	99.6	93.2	6.35	15.666 SF			
1,200.0	1,172.2	1,189.0	1,175.2	4.3	3.4	-116.46	21.1	164.7	115.2	107.9	7.26	15.858			
1,300.0	1,261.3	1,285.0	1,269.0	5.1	3.8	-124.57	18.0	184.7	135.9	127.9	8.04	16.909			
1,400.0	1,347.9	1,379.4	1,361.4	6.1	4.2	-131.61	14.9	204.3	162.2	153.6	8.68	18.701			
1,500.0	1,431.8	1,472.0	1,451.9	7.2	4.6	-137.46	11.9	223.5	194.3	185.1	9.21	21.097			
1,600.0	1,512.6	1,562.6	1,540.5	8.4	4.9	-142.20	8.9	242.3	231.9	222.2	9.68	23.971			
1,700.0	1,590.6	1,651.1	1,627.0	9.6	5.3	-146.27	6.1	260.7	274.6	264.6	10.07	27.276			
1,800.0	1,667.9	1,739.1	1,713.0	10.9	5.7	-149.75	3.2	279.0	319.2	308.8	10.42	30.626			
1,900.0	1,745.2	1,827.1	1,799.0	12.1	6.0	-152.39	0.3	297.3	364.6	353.8	10.80	33.770			
2,000.0	1,822.5	1,915.1	1,885.0	13.4	6.4	-154.46	-2.6	315.5	410.4	399.2	11.18	36.697			
2,100.0	1,899.8	2,003.1	1,971.1	14.6	6.7	-156.12	-5.4	333.8	456.6	445.0	11.58	39.413			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	29.17	36.4	20.3	41.7						
100.0	100.0	100.0	100.0	0.1	0.1	29.17	36.4	20.3	41.7	41.5	0.23	178.430			
200.0	200.0	200.0	200.0	0.3	0.3	29.17	36.4	20.3	41.7	41.1	0.58	71.586 CC			
300.0	300.0	299.8	299.8	0.5	0.5	31.43	35.8	21.9	41.9	41.0	0.93	44.982 ES			
400.0	400.0	399.1	398.9	0.6	0.7	-80.87	33.1	28.0	43.3	42.0	1.31	32.928			
500.0	499.8	498.1	497.1	0.8	0.9	-72.98	28.4	38.9	46.2	44.5	1.75	26.398			
600.0	599.3	596.7	594.3	1.1	1.3	-66.50	21.7	54.3	50.4	48.1	2.26	22.272			
700.0	698.0	695.7	690.9	1.4	1.7	-61.86	13.2	74.0	55.3	52.5	2.85	19.446			
800.0	795.8	795.7	788.3	1.7	2.1	-61.73	4.3	94.5	58.4	54.9	3.54	16.513			
900.0	892.4	895.6	885.7	2.2	2.5	-66.14	-4.6	115.1	59.2	54.8	4.42	13.397			
1,000.0	987.5	995.1	982.7	2.8	2.9	-75.20	-13.4	135.5	58.8	53.2	5.54	10.601			
1,024.4	1,010.5	1,019.3	1,006.3	3.0	3.0	-78.15	-15.6	140.5	58.7	52.9	5.86	10.022			
1,100.0	1,080.9	1,094.0	1,079.1	3.5	3.4	-89.01	-22.3	155.9	59.5	52.7	6.81	8.731			
1,200.0	1,172.2	1,192.1	1,174.7	4.3	3.8	-105.94	-31.0	176.0	64.8	57.0	7.86	8.249 SF			
1,300.0	1,261.3	1,289.0	1,269.2	5.1	4.2	-122.31	-39.6	195.9	77.7	69.4	8.35	9.303			
1,400.0	1,347.9	1,384.5	1,362.3	6.1	4.6	-135.34	-48.1	215.6	98.9	90.5	8.42	11.752			
1,500.0	1,431.8	1,478.4	1,453.7	7.2	5.0	-144.72	-56.5	234.9	127.7	119.4	8.34	15.316			
1,600.0	1,512.6	1,570.3	1,543.3	8.4	5.4	-151.30	-64.7	253.8	163.1	154.8	8.27	19.714			
1,700.0	1,590.6	1,660.2	1,630.9	9.6	5.8	-156.16	-72.7	272.2	204.1	195.9	8.25	24.739			
1,800.0	1,667.9	1,749.6	1,718.1	10.9	6.2	-159.74	-80.6	290.6	246.9	238.6	8.31	29.727			
1,900.0	1,745.2	1,839.1	1,805.2	12.1	6.6	-162.28	-88.6	309.0	290.3	281.9	8.45	34.371			
2,000.0	1,822.5	1,928.5	1,892.4	13.4	7.0	-164.16	-96.5	327.4	334.1	325.5	8.64	38.659			
2,100.0	1,899.8	2,018.0	1,979.6	14.6	7.4	-165.61	-104.5	345.8	378.1	369.2	8.87	42.605			
2,200.0	1,977.1	2,107.4	2,066.7	15.9	7.7	-166.76	-112.5	364.2	422.2	413.1	9.13	46.238			
2,300.0	2,054.4	2,196.9	2,153.9	17.2	8.1	-167.69	-120.4	382.6	466.4	457.0	9.41	49.585			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	15.48	67.8	18.8	70.4						
100.0	100.0	100.0	100.0	0.1	0.1	15.48	67.8	18.8	70.4	70.1	0.23	300.829			
200.0	200.0	200.0	200.0	0.3	0.3	15.48	67.8	18.8	70.4	69.8	0.58	120.692			
300.0	300.0	300.8	300.7	0.5	0.5	13.35	67.9	16.1	69.8	68.9	0.93	74.695			
393.0	393.0	393.9	393.6	0.6	0.7	-113.71	68.2	8.9	69.2	67.9	1.31	52.748			
400.0	400.0	400.9	400.5	0.6	0.7	-113.95	68.2	8.2	68.9	67.6	1.34	51.448	CC, ES		
500.0	499.8	499.1	497.9	0.8	1.0	-127.83	68.7	-4.6	72.3	70.5	1.80	40.158			
600.0	599.3	594.0	591.2	1.1	1.3	-144.46	69.3	-21.7	85.8	83.5	2.28	37.696	SF		
700.0	698.0	684.3	679.1	1.4	1.7	-158.37	70.0	-42.3	112.5	109.8	2.68	41.918			
800.0	795.8	769.1	760.7	1.7	2.2	-168.01	70.9	-65.3	151.8	148.8	3.03	50.161			
900.0	892.4	847.7	835.4	2.2	2.7	-174.39	71.7	-89.9	201.5	198.1	3.32	60.596			
1,000.0	987.5	919.7	902.8	2.8	3.2	-178.70	72.7	-115.1	259.9	256.3	3.60	72.277			
1,100.0	1,080.9	984.8	962.9	3.5	3.7	178.24	73.6	-140.1	325.7	321.8	3.85	84.643			
1,200.0	1,172.2	1,043.1	1,016.0	4.3	4.1	175.94	74.4	-164.2	397.8	393.7	4.08	97.397			
1,300.0	1,261.3	1,100.0	1,067.1	5.1	4.6	173.95	75.4	-189.3	475.4	471.1	4.31	110.181			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	15.31	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	301.6	301.6	0.5	0.5	12.85	47.5	10.8	48.7	47.8	0.94	52.100			
400.0	400.0	402.6	402.2	0.6	0.7	-116.62	44.2	3.5	44.7	43.4	1.33	33.526			
463.1	463.1	465.5	464.7	0.8	0.9	-128.92	41.1	-3.5	43.3	41.6	1.63	26.514	CC, ES		
500.0	499.8	501.8	500.6	0.8	1.0	-138.19	38.9	-8.5	44.0	42.2	1.81	24.335	SF		
600.0	599.3	598.2	595.3	1.1	1.3	-164.01	31.8	-24.5	55.7	53.4	2.29	24.368			
700.0	698.0	693.0	688.1	1.4	1.7	179.48	23.9	-42.2	81.1	78.4	2.66	30.461			
800.0	795.8	786.2	779.4	1.7	2.1	171.27	16.1	-59.6	114.7	111.7	3.02	37.964			
900.0	892.4	877.7	868.9	2.2	2.4	167.04	8.5	-76.7	154.3	150.9	3.40	45.411			
1,000.0	987.5	967.1	956.4	2.8	2.8	164.74	1.1	-93.5	198.7	195.0	3.79	52.478			
1,100.0	1,080.9	1,054.2	1,041.7	3.5	3.1	163.42	-6.2	-109.7	247.8	243.6	4.19	59.144			
1,200.0	1,172.2	1,138.7	1,124.4	4.3	3.5	162.64	-13.2	-125.5	301.1	296.5	4.60	65.457			
1,300.0	1,261.3	1,220.5	1,204.5	5.1	3.8	162.14	-20.0	-140.8	358.6	353.6	5.02	71.461			
1,400.0	1,347.9	1,299.3	1,281.6	6.1	4.1	161.79	-26.5	-155.6	420.2	414.7	5.44	77.180			
1,500.0	1,431.8	1,374.9	1,355.6	7.2	4.4	161.50	-32.8	-169.7	485.6	479.7	5.88	82.606			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	15.46	96.1	26.6	99.7						
100.0	100.0	100.0	100.0	0.1	0.1	15.46	96.1	26.6	99.7	99.5	0.23	426.500			
200.0	200.0	200.0	200.0	0.3	0.3	15.46	96.1	26.6	99.7	99.2	0.58	171.111			
300.0	300.0	300.0	300.0	0.5	0.5	15.46	96.1	26.6	99.7	98.8	0.93	107.025 CC			
328.5	328.5	328.5	328.5	0.5	0.5	-104.91	96.1	26.6	99.8	98.7	1.03	96.705			
400.0	400.0	400.0	400.0	0.6	0.6	-105.21	96.1	26.6	99.9	98.6	1.28	77.974 ES			
500.0	499.8	497.0	496.9	0.8	0.8	-109.05	97.9	24.9	102.8	101.2	1.64	62.618			
600.0	599.3	595.2	594.8	1.1	1.0	-117.36	101.8	18.9	110.3	108.2	2.05	53.747			
700.0	698.0	690.2	689.1	1.4	1.3	-128.18	106.3	8.4	124.3	121.8	2.50	49.696 SF			
800.0	795.8	780.6	778.3	1.7	1.5	-138.96	111.2	-6.0	148.2	145.3	2.95	50.309			
900.0	892.4	869.3	865.2	2.2	1.8	-148.13	116.4	-22.9	182.6	179.3	3.33	54.872			
1,000.0	987.5	956.4	950.5	2.8	2.2	-154.89	121.5	-39.7	225.1	221.4	3.66	61.474			
1,100.0	1,080.9	1,040.8	1,033.2	3.5	2.5	-159.79	126.4	-56.0	274.1	270.1	3.96	69.255			
1,200.0	1,172.2	1,122.3	1,113.1	4.3	2.8	-163.37	131.2	-71.7	328.8	324.6	4.23	77.762			
1,300.0	1,261.3	1,200.7	1,189.8	5.1	3.1	-166.04	135.8	-86.8	388.7	384.2	4.48	86.756			
1,400.0	1,347.9	1,275.7	1,263.3	6.1	3.4	-168.06	140.2	-101.2	453.1	448.4	4.71	96.100			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	22.68	74.9	31.3	81.2						
100.0	100.0	100.0	100.0	0.1	0.1	22.68	74.9	31.3	81.2	80.9	0.23	347.031			
200.0	200.0	200.0	200.0	0.3	0.3	22.68	74.9	31.3	81.2	80.6	0.58	139.228	CC, ES		
300.0	300.0	298.2	298.1	0.5	0.5	24.27	75.0	33.8	82.3	81.3	0.93	88.564			
400.0	400.0	395.9	395.5	0.6	0.7	-91.90	75.2	41.3	86.0	84.7	1.32	65.358			
500.0	499.8	493.1	491.9	0.8	1.0	-88.20	75.7	53.7	92.8	91.0	1.75	53.111			
600.0	599.3	589.6	587.0	1.1	1.3	-85.55	76.2	70.9	102.5	100.3	2.27	45.253			
700.0	698.0	685.5	680.3	1.4	1.7	-83.85	77.0	92.6	115.0	112.1	2.90	39.621			
800.0	795.8	780.7	771.8	1.7	2.3	-82.91	77.9	118.8	129.9	126.2	3.68	35.326			
900.0	892.4	874.9	861.0	2.2	2.9	-82.51	78.9	149.2	147.2	142.6	4.61	31.948			
1,000.0	987.5	968.2	947.7	2.8	3.5	-82.48	80.1	183.6	166.9	161.2	5.71	29.252			
1,100.0	1,080.9	1,060.6	1,031.8	3.5	4.3	-82.68	81.4	221.8	188.8	181.8	6.97	27.080			
1,200.0	1,172.2	1,151.9	1,113.0	4.3	5.1	-82.99	82.8	263.5	212.9	204.5	8.41	25.317			
1,300.0	1,261.3	1,242.1	1,191.2	5.1	6.0	-83.35	84.3	308.5	239.2	229.1	10.02	23.869			
1,400.0	1,347.9	1,333.2	1,268.0	6.1	7.0	-83.76	86.0	357.4	267.4	255.6	11.80	22.670			
1,500.0	1,431.8	1,428.6	1,347.8	7.2	8.0	-84.82	87.8	409.6	296.0	282.2	13.78	21.485			
1,600.0	1,512.6	1,523.5	1,427.2	8.4	9.1	-86.48	89.6	461.5	324.5	308.6	15.92	20.385			
1,700.0	1,590.6	1,617.7	1,506.0	9.6	10.1	-88.84	91.3	513.1	353.5	335.3	18.19	19.433			
1,800.0	1,667.9	1,711.8	1,584.7	10.9	11.1	-91.47	93.1	564.5	383.2	362.7	20.49	18.701			
1,900.0	1,745.2	1,805.8	1,663.4	12.1	12.2	-93.74	94.8	616.0	413.6	390.8	22.77	18.162			
2,000.0	1,822.5	1,899.9	1,742.1	13.4	13.2	-95.70	96.6	667.5	444.5	419.5	25.03	17.756			
2,100.0	1,899.8	1,993.9	1,820.8	14.6	14.2	-97.40	98.3	718.9	475.8	448.5	27.28	17.444	SF		

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	15.35	76.9	21.1	79.8						
100.0	100.0	100.0	100.0	0.1	0.1	15.35	76.9	21.1	79.8	79.5	0.23	341.033			
200.0	200.0	200.0	200.0	0.3	0.3	15.35	76.9	21.1	79.8	79.2	0.58	136.822			
300.0	300.0	300.0	300.0	0.5	0.5	15.35	76.9	21.1	79.8	78.8	0.93	85.578 CC			
327.8	327.8	327.8	327.8	0.5	0.5	-105.03	76.9	21.1	79.8	78.8	1.03	77.531 ES			
400.0	400.0	399.2	399.2	0.6	0.6	-104.98	77.0	21.7	80.2	78.9	1.28	62.615			
500.0	499.8	498.7	498.7	0.8	0.8	-105.90	77.6	25.6	83.1	81.5	1.65	50.501			
600.0	599.3	598.7	598.6	1.1	1.0	-112.50	78.6	25.7	87.6	85.5	2.04	42.938			
700.0	698.0	696.3	696.1	1.4	1.2	-123.83	79.8	20.7	96.3	93.8	2.46	39.127 SF			
800.0	795.8	790.3	789.5	1.7	1.4	-136.66	81.4	11.2	113.5	110.7	2.87	39.491			
900.0	892.4	879.4	877.6	2.2	1.6	-148.00	83.1	-2.1	142.1	138.9	3.25	43.765			
1,000.0	987.5	965.7	962.4	2.8	1.9	-156.85	85.0	-18.2	181.7	178.2	3.56	51.079			
1,100.0	1,080.9	1,050.9	1,046.0	3.5	2.1	-163.06	86.9	-34.5	229.1	225.3	3.84	59.747			
1,200.0	1,172.2	1,133.4	1,126.9	4.3	2.4	-167.35	88.7	-50.3	282.6	278.6	4.09	69.130			
1,300.0	1,261.3	1,212.8	1,204.9	5.1	2.7	-170.40	90.5	-65.5	341.4	337.1	4.32	78.957			
1,400.0	1,347.9	1,289.0	1,279.6	6.1	3.0	-172.64	92.2	-80.1	404.8	400.3	4.54	89.112			
1,500.0	1,431.8	1,361.6	1,350.9	7.2	3.2	-174.32	93.8	-94.0	472.6	467.8	4.75	99.561			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	24.88	55.7	25.8	61.4						
100.0	100.0	100.0	100.0	0.1	0.1	24.88	55.7	25.8	61.4	61.1	0.23	262.353			
200.0	200.0	200.0	200.0	0.3	0.3	24.88	55.7	25.8	61.4	60.8	0.58	105.255 CC, ES			
300.0	300.0	298.7	298.6	0.5	0.5	27.03	55.6	28.4	62.4	61.5	0.93	67.143			
400.0	400.0	396.8	396.5	0.6	0.7	-87.83	55.4	35.9	66.1	64.8	1.32	50.193			
500.0	499.8	494.5	493.3	0.8	1.0	-83.15	55.1	48.5	72.7	71.0	1.75	41.647			
600.0	599.3	591.6	588.9	1.1	1.3	-80.00	54.6	65.8	82.0	79.8	2.26	36.316			
700.0	698.0	688.1	682.8	1.4	1.8	-78.15	54.0	87.8	93.7	90.8	2.88	32.485			
800.0	795.8	783.9	774.8	1.7	2.3	-77.28	53.3	114.3	107.5	103.9	3.65	29.477			
900.0	892.4	878.9	864.7	2.2	2.9	-77.06	52.4	145.2	123.4	118.9	4.57	27.016			
1,000.0	987.5	973.1	952.1	2.8	3.6	-77.27	51.5	180.1	141.3	135.7	5.66	24.974			
1,100.0	1,080.9	1,066.4	1,037.0	3.5	4.3	-77.72	50.5	218.9	161.2	154.3	6.93	23.273			
1,200.0	1,172.2	1,158.8	1,119.0	4.3	5.2	-78.29	49.3	261.4	183.0	174.7	8.37	21.855			
1,300.0	1,261.3	1,250.3	1,198.1	5.1	6.1	-78.91	48.1	307.3	206.7	196.7	10.01	20.664			
1,400.0	1,347.9	1,343.1	1,276.2	6.1	7.1	-79.62	46.7	357.4	232.1	220.3	11.81	19.653			
1,500.0	1,431.8	1,439.4	1,356.8	7.2	8.2	-81.09	45.3	410.2	257.4	243.5	13.84	18.599			
1,600.0	1,512.6	1,535.3	1,437.0	8.4	9.2	-83.22	43.9	462.7	282.4	266.3	16.05	17.589			
1,700.0	1,590.6	1,630.6	1,516.7	9.6	10.3	-86.06	42.5	514.9	307.6	289.2	18.41	16.711			
1,800.0	1,667.9	1,725.7	1,596.2	10.9	11.3	-89.06	41.1	567.1	333.7	312.9	20.78	16.055			
1,900.0	1,745.2	1,820.8	1,675.8	12.1	12.3	-91.63	39.7	619.2	360.5	337.4	23.13	15.586			
2,000.0	1,822.5	1,916.0	1,755.4	13.4	13.4	-93.85	38.3	671.3	387.9	362.5	25.45	15.242			
2,100.0	1,899.8	2,011.1	1,834.9	14.6	14.4	-95.77	36.9	723.5	415.8	388.1	27.75	14.987			
2,200.0	1,977.1	2,106.2	1,914.5	15.9	15.5	-97.46	35.4	775.6	444.1	414.1	30.02	14.794			
2,300.0	2,054.4	2,201.4	1,994.1	17.2	16.5	-98.95	34.0	827.7	472.7	440.4	32.27	14.648 SF			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	15.17	57.7	15.6	59.8						
100.0	100.0	100.0	100.0	0.1	0.1	15.17	57.7	15.6	59.8	59.5	0.23	255.550			
200.0	200.0	200.0	200.0	0.3	0.3	15.17	57.7	15.6	59.8	59.2	0.58	102.526			
300.0	300.0	300.0	300.0	0.5	0.5	15.17	57.7	15.6	59.8	58.8	0.93	64.127			
400.0	400.0	400.9	400.9	0.6	0.6	-108.21	57.5	13.0	59.1	57.8	1.29	45.856			
436.9	436.9	438.0	437.9	0.7	0.7	-111.59	57.3	10.7	59.0	57.5	1.44	41.043	CC, ES		
500.0	499.8	500.7	500.4	0.8	0.9	-120.22	56.8	5.1	59.8	58.1	1.69	35.435			
600.0	599.3	597.9	596.7	1.1	1.1	-138.50	55.8	-7.5	67.6	65.5	2.14	31.666	SF		
700.0	698.0	692.2	689.5	1.4	1.4	-155.67	54.5	-23.9	87.9	85.3	2.54	34.558			
800.0	795.8	785.2	780.9	1.7	1.7	-166.92	53.1	-41.0	118.6	115.7	2.88	41.138			
900.0	892.4	876.2	870.4	2.2	2.1	-173.73	51.7	-57.6	156.8	153.7	3.19	49.113			
1,000.0	987.5	965.1	957.8	2.8	2.4	-177.99	50.4	-73.9	201.1	197.6	3.49	57.598			
1,100.0	1,080.9	1,051.4	1,042.7	3.5	2.7	179.24	49.2	-89.7	250.6	246.8	3.78	66.271			
1,200.0	1,172.2	1,135.1	1,124.9	4.3	3.0	177.35	47.9	-105.0	304.8	300.7	4.06	75.020			
1,300.0	1,261.3	1,215.9	1,204.3	5.1	3.3	176.00	46.7	-119.8	363.5	359.1	4.34	83.809			
1,400.0	1,347.9	1,293.5	1,280.6	6.1	3.6	174.99	45.6	-134.0	426.4	421.8	4.60	92.622			
1,500.0	1,431.8	1,367.7	1,353.6	7.2	3.8	174.21	44.5	-147.5	493.3	488.4	4.86	101.440			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	15.90	38.5	11.0	40.0						
100.0	100.0	100.0	100.0	0.1	0.1	15.90	38.5	11.0	40.0	39.7	0.23	170.958			
200.0	200.0	200.0	200.0	0.3	0.3	15.90	38.5	11.0	40.0	39.4	0.58	68.588			
300.0	300.0	300.0	300.0	0.5	0.5	15.90	38.5	11.0	40.0	39.1	0.93	42.900 CC			
329.6	329.6	329.6	329.6	0.5	0.5	-104.58	38.5	11.0	40.0	39.0	1.04	38.637			
400.0	400.0	400.0	400.0	0.6	0.6	-105.32	38.5	11.0	40.2	38.9	1.28	31.333 ES			
500.0	499.8	498.2	498.1	0.8	0.8	-109.82	40.1	12.9	43.8	42.1	1.64	26.657			
600.0	599.3	596.9	596.5	1.1	1.0	-114.65	44.5	18.8	53.0	50.9	2.05	25.865			
700.0	698.0	696.7	695.7	1.4	1.3	-117.68	48.3	29.7	64.5	62.0	2.55	25.309			
800.0	795.8	796.6	794.3	1.7	1.5	-119.29	50.9	45.7	77.6	74.4	3.18	24.411			
900.0	892.4	896.6	892.0	2.2	1.9	-119.98	52.3	66.6	92.0	88.0	3.96	23.233			
1,000.0	987.5	996.7	988.7	2.8	2.4	-120.08	52.4	92.6	107.7	102.8	4.91	21.926			
1,100.0	1,080.9	1,096.9	1,084.0	3.5	3.0	-119.79	51.2	123.4	124.7	118.6	6.05	20.614			
1,200.0	1,172.2	1,197.0	1,177.5	4.3	3.6	-119.25	48.8	159.0	142.9	135.5	7.37	19.371			
1,300.0	1,261.3	1,297.2	1,269.2	5.1	4.4	-118.54	45.2	199.4	162.2	153.3	8.90	18.231			
1,400.0	1,347.9	1,397.4	1,358.6	6.1	5.3	-117.71	40.3	244.3	182.7	172.0	10.62	17.204			
1,500.0	1,431.8	1,497.6	1,445.5	7.2	6.3	-116.81	34.2	293.7	204.2	191.7	12.54	16.284			
1,600.0	1,512.6	1,597.8	1,529.7	8.4	7.3	-115.86	26.8	347.5	226.8	212.1	14.67	15.464			
1,700.0	1,590.6	1,695.7	1,609.9	9.6	8.5	-115.36	18.8	403.1	250.5	233.7	16.86	14.863			
1,800.0	1,667.9	1,792.8	1,689.3	10.9	9.6	-115.45	10.8	458.3	274.7	255.6	19.04	14.423			
1,900.0	1,745.2	1,889.8	1,768.7	12.1	10.7	-115.52	2.8	513.5	298.8	277.6	21.24	14.067			
2,000.0	1,822.5	1,986.9	1,848.1	13.4	11.8	-115.58	-5.2	568.8	322.9	299.5	23.45	13.773			
2,100.0	1,899.8	2,083.9	1,927.5	14.6	12.9	-115.63	-13.2	624.0	347.1	321.4	25.65	13.528			
2,200.0	1,977.1	2,181.0	2,006.9	15.9	14.0	-115.68	-21.2	679.2	371.2	343.3	27.87	13.319			
2,300.0	2,054.4	2,278.0	2,086.3	17.2	15.1	-115.72	-29.2	734.5	395.3	365.2	30.08	13.140			
2,400.0	2,131.7	2,375.0	2,165.7	18.4	16.3	-115.76	-37.1	789.7	419.4	387.1	32.30	12.985			
2,500.0	2,209.0	2,472.1	2,245.1	19.7	17.4	-115.79	-45.1	844.9	443.6	409.0	34.52	12.848			
2,600.0	2,286.3	2,569.1	2,324.5	21.0	18.5	-115.82	-53.1	900.2	467.7	430.9	36.74	12.728			
2,700.0	2,363.6	2,666.2	2,403.9	22.2	19.6	-115.84	-61.1	955.4	491.8	452.8	38.97	12.621 SF			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	40.82	17.2	14.9	22.7	22.5	0.23	97.213			
100.0	100.0	100.0	100.0	0.1	0.1	40.82	17.2	14.9	22.7	22.5	0.58	39.002 CC, ES			
200.0	200.0	200.0	200.0	0.3	0.3	40.82	17.2	14.9	22.7	22.2	0.93	25.922			
300.0	300.0	299.3	299.3	0.5	0.5	46.16	16.7	17.4	24.1	23.2	1.31	22.220			
400.0	400.0	398.2	397.8	0.6	0.7	-62.77	15.2	24.9	29.0	27.7	1.70	21.354			
500.0	499.8	496.5	495.4	0.8	1.0	-55.92	12.8	37.4	36.2	34.5	2.14	21.009			
600.0	599.3	594.5	591.7	1.1	1.3	-53.01	9.4	54.7	44.9	42.8	2.66	20.568			
700.0	698.0	691.9	686.4	1.4	1.8	-52.37	5.1	76.7	54.7	52.0	3.30	19.860			
800.0	795.8	788.7	779.5	1.7	2.3	-52.98	-0.1	103.2	65.5	62.2	4.09	18.914			
900.0	892.4	885.1	870.5	2.2	2.9	-54.28	-6.2	134.1	77.4	73.3	5.07	17.840			
1,000.0	987.5	980.8	959.3	2.8	3.6	-55.92	-13.1	169.3	90.4	85.3	6.24	16.748			
1,100.0	1,080.9	1,076.0	1,045.6	3.5	4.4	-57.70	-20.8	208.6	104.5	98.2	7.61	15.716			
1,200.0	1,172.2	1,170.6	1,129.3	4.3	5.3	-59.50	-29.3	251.7	119.7	112.1	9.20	14.783			
1,300.0	1,261.3	1,264.6	1,210.3	5.1	6.3	-61.25	-38.4	298.6	136.0	126.8	10.99	13.959			
1,400.0	1,347.9	1,359.2	1,289.4	6.1	7.3	-62.97	-48.4	349.5	153.4	142.4	13.10	12.957			
1,500.0	1,431.8	1,457.5	1,370.8	7.2	8.4	-65.60	-59.0	403.5	169.8	156.7	15.53	11.889			
1,600.0	1,512.6	1,555.6	1,452.1	8.4	9.5	-69.20	-69.6	457.4	184.6	169.1	18.20	10.928			
1,700.0	1,590.6	1,653.3	1,533.0	9.6	10.6	-73.67	-80.1	511.1	198.9	180.7	20.89	10.251			
1,800.0	1,667.9	1,750.9	1,613.9	10.9	11.6	-78.01	-90.7	564.7	214.1	193.2	23.52	9.796			
1,900.0	1,745.2	1,848.4	1,694.7	12.1	12.7	-81.77	-101.2	618.3	230.4	206.9	26.10	9.485			
2,000.0	1,822.5	1,946.0	1,775.6	13.4	13.8	-85.03	-111.7	672.0	247.5	221.4	28.62	9.272			
2,100.0	1,899.8	2,043.6	1,856.4	14.6	14.9	-87.86	-122.2	725.6	265.4	236.8	31.09	9.126			
2,200.0	1,977.1	2,141.2	1,937.3	15.9	16.0	-90.34	-132.7	779.2	283.8	252.7	33.52	9.027			
2,300.0	2,054.4	2,238.8	2,018.1	17.2	17.1	-92.52	-143.3	832.9	302.6	269.1	35.91	8.961			
2,400.0	2,131.7	2,336.4	2,099.0	18.4	18.2	-94.44	-153.8	886.5	321.8	285.9	38.27	8.919			
2,500.0	2,209.0	2,434.0	2,179.8	19.7	19.3	-96.15	-164.3	940.1	341.4	303.1	40.60	8.895			
2,600.0	2,286.3	2,531.6	2,260.7	21.0	20.4	-97.67	-174.8	993.8	361.2	320.6	42.91	8.884			
2,700.0	2,363.6	2,629.2	2,341.5	22.2	21.5	-99.04	-185.4	1,047.4	381.2	338.3	45.19	8.882 SF			
2,800.0	2,440.9	2,726.8	2,422.4	23.5	22.6	-100.27	-195.9	1,101.0	401.4	356.2	47.46	8.887			
2,900.0	2,518.2	2,824.3	2,503.2	24.8	23.7	-101.38	-206.4	1,154.7	421.7	374.3	49.71	8.897			
3,000.0	2,595.5	2,921.9	2,584.1	26.0	24.8	-102.39	-216.9	1,208.3	442.3	392.5	51.95	8.911			
3,100.0	2,672.8	3,019.5	2,664.9	27.3	25.9	-103.31	-227.4	1,261.9	462.9	410.9	54.17	8.927			
3,200.0	2,750.1	3,117.1	2,745.8	28.6	27.0	-104.15	-238.0	1,315.5	483.6	429.4					

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	14.92	29.3	7.8	30.4						
100.0	100.0	100.0	100.0	0.1	0.1	14.92	29.3	7.8	30.4	30.1	0.23	129.864			
200.0	200.0	200.0	200.0	0.3	0.3	14.92	29.3	7.8	30.4	29.8	0.58	52.101			
300.0	300.0	301.1	301.1	0.5	0.5	11.35	27.9	5.6	28.4	27.5	0.93	30.434			
400.0	400.0	401.6	401.2	0.6	0.7	-124.23	23.5	-1.0	23.9	22.6	1.33	17.983			
441.2	441.2	442.7	442.0	0.7	0.8	-137.79	20.8	-5.0	23.0	21.5	1.53	15.078	CC, ES		
500.0	499.8	500.5	499.3	0.8	1.0	-161.52	16.3	-11.8	25.7	23.9	1.80	14.296	SF		
600.0	599.3	596.8	593.9	1.1	1.3	169.64	6.7	-26.4	43.5	41.3	2.20	19.761			
700.0	698.0	691.4	686.3	1.4	1.7	157.94	-4.6	-43.4	72.9	70.3	2.59	28.160			
800.0	795.8	784.9	777.6	1.7	2.1	153.90	-15.8	-60.3	107.9	104.9	3.02	35.793			
900.0	892.4	876.7	867.3	2.2	2.5	152.50	-26.8	-76.9	147.5	144.0	3.48	42.424			
1,000.0	987.5	966.6	955.0	2.8	2.8	152.16	-37.5	-93.1	191.3	187.3	3.96	48.263			
1,100.0	1,080.9	1,054.3	1,040.6	3.5	3.2	152.27	-48.0	-108.9	239.2	234.7	4.47	53.518			
1,200.0	1,172.2	1,139.6	1,123.9	4.3	3.6	152.54	-58.2	-124.3	291.2	286.2	4.99	58.344			
1,300.0	1,261.3	1,222.3	1,204.6	5.1	3.9	152.86	-68.1	-139.2	347.2	341.6	5.52	62.839			
1,400.0	1,347.9	1,302.0	1,282.5	6.1	4.2	153.14	-77.6	-153.6	407.1	401.0	6.07	67.052			
1,500.0	1,431.8	1,378.7	1,357.3	7.2	4.6	153.35	-86.8	-167.5	470.8	464.1	6.63	70.997			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	15.89	19.2	5.5	20.0						
100.0	100.0	100.0	100.0	0.1	0.1	15.89	19.2	5.5	20.0	19.8	0.23	85.488			
200.0	200.0	200.0	200.0	0.3	0.3	15.89	19.2	5.5	20.0	19.4	0.58	34.298			
300.0	300.0	300.0	300.0	0.5	0.5	15.89	19.2	5.5	20.0	19.1	0.93	21.452 CC			
331.2	331.2	331.2	331.2	0.5	0.5	-104.78	19.2	5.5	20.0	19.0	1.04	19.237			
400.0	400.0	400.0	400.0	0.6	0.6	-106.22	19.2	5.5	20.2	18.9	1.28	15.738 ES			
500.0	499.8	499.8	499.8	0.8	0.8	-119.23	19.2	5.5	22.2	20.6	1.64	13.531			
600.0	599.3	599.3	599.3	1.1	1.0	-137.51	19.2	5.5	28.8	26.8	2.01	14.348			
700.0	698.0	699.5	699.5	1.4	1.2	-149.57	18.6	8.0	39.9	37.5	2.37	16.844			
800.0	795.8	800.4	800.0	1.7	1.4	-154.85	16.6	15.6	52.7	50.0	2.74	19.208			
900.0	892.4	901.9	900.6	2.2	1.6	-156.92	13.2	28.5	66.5	63.3	3.15	21.072			
1,000.0	987.5	1,003.9	1,000.9	2.8	1.9	-157.31	8.5	46.7	80.9	77.3	3.62	22.334			
1,100.0	1,080.9	1,106.6	1,100.6	3.5	2.4	-156.75	2.3	70.1	95.9	91.7	4.18	22.953			
1,200.0	1,172.2	1,209.7	1,199.4	4.3	2.9	-155.62	-5.2	98.8	111.5	106.6	4.86	22.950			
1,300.0	1,261.3	1,313.3	1,296.9	5.1	3.5	-154.14	-14.1	132.9	127.7	122.0	5.70	22.410			
1,400.0	1,347.9	1,417.5	1,392.7	6.1	4.3	-152.42	-24.3	172.2	144.5	137.8	6.73	21.476			
1,500.0	1,431.8	1,522.0	1,486.6	7.2	5.1	-150.56	-35.9	216.7	162.0	154.0	7.98	20.303			
1,600.0	1,512.6	1,627.0	1,578.2	8.4	6.1	-148.61	-48.9	266.3	180.1	170.6	9.46	19.030			
1,700.0	1,590.6	1,732.5	1,667.3	9.6	7.3	-146.66	-63.2	320.9	198.6	187.4	11.20	17.730			
1,800.0	1,667.9	1,837.9	1,753.0	10.9	8.5	-144.23	-78.7	380.2	214.4	201.2	13.28	16.153			
1,900.0	1,745.2	1,936.4	1,831.9	12.1	9.6	-141.85	-93.6	437.3	229.2	213.7	15.45	14.835			
2,000.0	1,822.5	2,034.9	1,910.7	13.4	10.8	-139.76	-108.5	494.5	244.2	226.5	17.68	13.816			
2,100.0	1,899.8	2,133.4	1,989.5	14.6	12.0	-137.91	-123.5	551.6	259.6	239.6	19.95	13.011			
2,200.0	1,977.1	2,231.8	2,068.3	15.9	13.2	-136.27	-138.4	608.8	275.1	252.9	22.25	12.365			
2,300.0	2,054.4	2,330.3	2,147.1	17.2	14.4	-134.80	-153.3	665.9	290.9	266.3	24.58	11.837			
2,400.0	2,131.7	2,428.8	2,225.9	18.4	15.6	-133.49	-168.2	723.0	306.9	279.9	26.92	11.399			
2,500.0	2,209.0	2,527.3	2,304.8	19.7	16.7	-132.30	-183.2	780.2	322.9	293.7	29.27	11.032			
2,600.0	2,286.3	2,625.8	2,383.6	21.0	17.9	-131.23	-198.1	837.3	339.1	307.5	31.63	10.721			
2,700.0	2,363.6	2,724.3	2,462.4	22.2	19.1	-130.25	-213.0	894.4	355.5	321.5	34.00	10.454			
2,800.0	2,440.9	2,822.8	2,541.2	23.5	20.3	-129.36	-228.0	951.6	371.9	335.5	36.38	10.223			
2,900.0	2,518.2	2,921.3	2,620.0	24.8	21.5	-128.55	-242.9	1,008.7	388.3	349.6	38.75	10.021			
3,000.0	2,595.5	3,019.7	2,698.8	26.0	22.7	-127.80	-257.8	1,065.8	404.9	363.8	41.13	9.844			
3,100.0	2,672.8	3,118.2	2,777.7	27.3	23.9	-127.11	-272.7	1,123.0	421.5	378.0	43.51	9.687			
3,200.0	2,750.1	3,216.7	2,856.5	28.6	25.1	-126.47	-287.7	1,180.1	438.2	392.3	45.90	9.548			
3,300.0	2,827.4	3,315.2	2,935.3	29.9	26.3	-125.88	-302.6	1,237.3	454.9	406.6	48.28	9.423			
3,400.0	2,904.7	3,413.7	3,014.1	31.1	27.5	-125.33	-317.5	1,294.4	471.7	421.0	50.66	9.310			
3,500.0	2,982.0	3,512.2	3,092.9	32.4	28.7	-124.82	-332.5	1,351.5	488.5	435.4	53.05	9.208 SF			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	60.48	7.1	12.5	14.4						
100.0	100.0	100.0	100.0	0.1	0.1	60.48	7.1	12.5	14.4	14.1	0.23	61.498			
134.0	134.0	134.0	134.0	0.2	0.2	60.48	7.1	12.5	14.4	14.0	0.35	40.779	CC, ES		
200.0	200.0	199.7	199.7	0.3	0.3	62.06	7.0	13.2	14.9	14.3	0.58	25.561			
300.0	300.0	298.8	298.7	0.5	0.5	71.55	6.1	18.2	19.3	18.3	0.94	20.545			
400.0	400.0	397.2	396.5	0.6	0.7	-39.73	4.3	28.3	28.3	27.0	1.29	21.940			
500.0	499.8	495.0	493.2	0.8	1.1	-36.91	1.7	43.1	38.9	37.3	1.65	23.571			
600.0	599.3	592.4	588.5	1.1	1.5	-36.50	-2.4	62.6	50.0	48.0	2.04	24.478			
700.0	698.0	689.3	682.2	1.4	1.9	-36.88	-8.1	86.4	61.5	59.0	2.49	24.679			
800.0	795.8	785.6	774.0	1.7	2.5	-37.65	-15.5	114.5	73.2	70.1	3.02	24.256			
900.0	892.4	881.4	863.8	2.2	3.2	-38.64	-24.6	146.6	85.1	81.5	3.65	23.332			
1,000.0	987.5	976.7	951.4	2.8	3.9	-39.74	-35.3	182.7	97.4	93.0	4.41	22.064			
1,100.0	1,080.9	1,071.6	1,036.5	3.5	4.7	-40.91	-47.5	222.6	109.9	104.6	5.33	20.613			
1,200.0	1,172.2	1,166.0	1,119.1	4.3	5.7	-42.11	-61.2	266.2	122.7	116.2	6.42	19.113			
1,300.0	1,261.3	1,259.9	1,199.0	5.1	6.7	-43.31	-76.3	313.3	135.7	128.0	7.68	17.654			
1,400.0	1,347.9	1,355.5	1,277.9	6.1	7.7	-44.62	-93.1	364.6	148.6	139.5	9.15	16.244			
1,500.0	1,431.8	1,454.7	1,359.2	7.2	8.9	-46.91	-110.8	418.6	158.9	147.9	10.98	14.469			
1,600.0	1,512.6	1,553.9	1,440.6	8.4	10.0	-50.31	-128.6	472.5	166.0	152.8	13.25	12.536			
1,700.0	1,590.6	1,652.9	1,521.7	9.6	11.1	-54.78	-146.2	526.4	171.0	155.0	15.94	10.724			
1,800.0	1,667.9	1,751.8	1,602.8	10.9	12.2	-59.32	-163.9	580.1	176.4	157.6	18.79	9.383			
1,900.0	1,745.2	1,850.7	1,683.9	12.1	13.4	-63.57	-181.5	633.9	182.8	161.1	21.70	8.423			
2,000.0	1,822.5	1,949.6	1,764.9	13.4	14.5	-67.51	-199.2	687.7	190.2	165.6	24.63	7.725			
2,100.0	1,899.8	2,048.5	1,846.0	14.6	15.6	-71.15	-216.9	741.5	198.5	170.9	27.53	7.210			
2,200.0	1,977.1	2,147.3	1,927.1	15.9	16.8	-74.49	-234.5	795.3	207.5	177.1	30.39	6.826			
2,300.0	2,054.4	2,246.2	2,008.2	17.2	17.9	-77.55	-252.2	849.1	217.1	183.9	33.21	6.538			
2,400.0	2,131.7	2,345.1	2,089.2	18.4	19.0	-80.34	-269.8	902.9	227.3	191.3	35.97	6.320			
2,500.0	2,209.0	2,444.0	2,170.3	19.7	20.2	-82.89	-287.5	956.7	238.0	199.3	38.67	6.155			
2,600.0	2,286.3	2,542.9	2,251.4	21.0	21.3	-85.22	-305.2	1,010.5	249.1	207.8	41.32	6.030			
2,700.0	2,363.6	2,641.8	2,332.5	22.2	22.4	-87.34	-322.8	1,064.3	260.7	216.7	43.91	5.936			
2,800.0	2,440.9	2,740.7	2,413.5	23.5	23.6	-89.29	-340.5	1,118.0	272.5	226.0	46.45	5.866			
2,900.0	2,518.2	2,839.5	2,494.6	24.8	24.7	-91.08	-358.1	1,171.8	284.6	235.7	48.95	5.814			
3,000.0	2,595.5	2,938.4	2,575.7	26.0	25.8	-92.71	-375.8	1,225.6	297.0	245.6	51.41	5.777			
3,100.0	2,672.8	3,037.3	2,656.8	27.3	27.0	-94.22	-393.5	1,279.4	309.6	255.7	53.83	5.751			
3,200.0	2,750.1	3,136.2	2,737.8	28.6	28.1	-95.61	-411.1	1,333.2	322.4	266.1	56.22	5.734			
3,300.0	2,827.4	3,235.1	2,818.9	29.9	29.2	-96.89	-428.8	1,387.0	335.3	276.7	58.58	5.725			
3,400.0	2,904.7	3,334.0	2,900.0	31.1	30.4	-98.08	-446.4	1,440.8	348.4	287.5	60.91	5.721	SF		
3,500.0	2,982.0	3,432.9	2,981.1	32.4	31.5	-99.18	-464.1	1,494.6	361.7	298.5	63.21	5.722			
3,600.0	3,059.3	3,531.7	3,062.1	33.7	32.7	-100.20	-481.7	1,548.4	375.1	309.6	65.50	5.726			
3,700.0	3,136.6	3,630.6	3,143.2	34.9	33.8	-101.16	-499.4	1,602.2	388.6	320.8	67.77	5.734			
3,800.0	3,213.9	3,729.5	3,224.3	36.2	34.9	-102.05	-517.1	1,655.9	402.1	332.1	70.02	5.743			
3,900.0	3,291.2	3,828.4	3,305.4	37.5	36.1	-102.88	-534.7	1,709.7	415.8	343.6	72.25	5.755			
4,000.0	3,368.5	3,927.3	3,386.5	38.8	37.2	-103.66	-552.4	1,763.5	429.6	355.1	74.47	5.768			
4,100.0	3,445.8	4,026.2	3,467.5	40.0	38.3	-104.39	-570.0	1,817.3	443.4	366.7	76.68	5.783			
4,200.0	3,523.1	4,125.1	3,548.6	41.3	39.5	-105.07	-587.7	1,871.1	457.3	378.4	78.87	5.798			
4,300.0	3,600.4	4,223.9	3,629.7	42.6	40.6	-105.72	-605.4	1,924.9	471.2	390.2	81.06	5.814			
4,400.0	3,677.7	4,322.8	3,710.8	43.8	41.8	-106.32	-623.0	1,978.7	485.2	402.0	83.23	5.830			
4,500.0	3,755.0	4,421.7	3,791.8	45.1	42.9	-106.90	-640.7	2,032.5	499.3	413.9	85.40	5.847			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	-161.03	-9.1	-3.1	9.6						
100.0	100.0	100.0	100.0	0.1	0.1	-161.03	-9.1	-3.1	9.6	9.4	0.23	41.154			
200.0	200.0	200.0	200.0	0.3	0.3	-161.03	-9.1	-3.1	9.6	9.0	0.58	16.511			
233.9	233.9	233.9	233.9	0.4	0.4	-161.03	-9.1	-3.1	9.6	8.9	0.70	13.727 CC, ES			
300.0	300.0	299.9	299.9	0.5	0.5	-159.79	-9.3	-3.4	9.9	9.0	0.93	10.626			
400.0	400.0	399.6	399.5	0.6	0.6	90.71	-10.8	-5.7	12.2	11.0	1.28	9.547 SF			
500.0	499.8	498.7	498.5	0.8	0.8	114.30	-13.8	-10.4	18.9	17.3	1.64	11.534			
600.0	599.3	596.7	596.2	1.1	1.1	131.21	-18.2	-17.2	33.0	31.0	2.01	16.379			
700.0	698.0	693.0	691.9	1.4	1.3	140.11	-24.0	-26.1	54.6	52.2	2.41	22.669			
800.0	795.8	787.1	785.0	1.7	1.6	144.89	-31.0	-36.8	83.2	80.4	2.83	29.445			
900.0	892.4	878.3	875.1	2.2	1.9	147.62	-39.0	-49.2	118.4	115.1	3.27	36.222			
1,000.0	987.5	966.3	961.5	2.8	2.2	149.23	-48.0	-63.0	159.9	156.1	3.74	42.751			
1,100.0	1,080.9	1,050.7	1,044.0	3.5	2.5	150.18	-57.7	-77.9	207.3	203.1	4.24	48.901			
1,200.0	1,172.2	1,131.1	1,122.2	4.3	2.9	150.68	-67.8	-93.6	260.4	255.6	4.77	54.599			
1,300.0	1,261.3	1,207.3	1,195.9	5.1	3.2	150.85	-78.4	-109.8	318.7	313.4	5.33	59.804			
1,400.0	1,347.9	1,279.0	1,264.9	6.1	3.6	150.76	-89.1	-126.3	382.1	376.2	5.93	64.439			
1,500.0	1,431.8	1,346.1	1,329.1	7.2	4.0	150.42	-99.8	-142.7	450.1	443.6	6.57	68.487			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	-164.10	-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	85.452			
200.0	200.0	200.0	200.0	0.3	0.3	-164.10	-19.2	-5.5	20.0	19.4	0.58	34.283			
300.0	300.0	300.0	300.0	0.5	0.5	-164.10	-19.2	-5.5	20.0	19.1	0.93	21.443 CC, ES			
400.0	400.0	399.0	399.0	0.6	0.6	80.77	-20.9	-7.4	22.1	20.8	1.28	17.248 SF			
500.0	499.8	497.2	496.9	0.8	0.9	97.57	-25.9	-13.1	29.5	27.8	1.64	17.937			
600.0	599.3	593.6	592.4	1.1	1.1	113.09	-34.1	-22.4	45.2	43.2	2.03	22.287			
700.0	698.0	687.1	684.5	1.4	1.4	122.61	-45.1	-34.8	70.1	67.7	2.46	28.489			
800.0	795.8	777.2	772.2	1.7	1.8	127.97	-58.4	-50.0	103.4	100.5	2.95	35.073			
900.0	892.4	862.9	854.8	2.2	2.3	130.97	-73.7	-67.3	144.3	140.8	3.49	41.310			
1,000.0	987.5	944.0	931.9	2.8	2.7	132.62	-90.3	-86.2	192.3	188.2	4.09	46.971			
1,100.0	1,080.9	1,025.9	1,008.9	3.5	3.2	133.70	-108.8	-107.1	246.0	241.3	4.76	51.690			
1,200.0	1,172.2	1,107.4	1,085.4	4.3	3.7	134.65	-127.2	-128.0	303.2	297.7	5.47	55.378			
1,300.0	1,261.3	1,186.2	1,159.5	5.1	4.2	135.41	-145.0	-148.2	363.7	357.4	6.23	58.351			
1,400.0	1,347.9	1,262.2	1,230.9	6.1	4.7	135.97	-162.2	-167.7	427.4	420.4	7.03	60.813			
1,500.0	1,431.8	1,351.1	1,314.6	7.2	5.2	136.61	-183.6	-189.1	493.4	485.4	7.93	62.203			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	33.19	26.3	17.2	31.4						
100.0	100.0	100.0	100.0	0.1	0.1	33.19	26.3	17.2	31.4	31.2	0.23	134.430			
200.0	200.0	200.0	200.0	0.3	0.3	33.19	26.3	17.2	31.4	30.9	0.58	53.933			
300.0	300.0	300.0	300.0	0.5	0.5	33.19	26.3	17.2	31.4	30.5	0.93	33.733			
400.0	400.0	400.0	400.0	0.6	0.6	-88.33	26.3	17.2	31.4	30.1	1.28	24.514			
427.5	427.4	427.4	427.4	0.7	0.7	-90.00	26.3	17.2	31.4	30.0	1.38	22.742	CC, ES		
500.0	499.8	499.8	499.8	0.8	0.8	-97.80	26.3	17.2	31.7	30.1	1.65	19.267			
600.0	599.3	600.0	600.0	1.1	1.0	-111.18	24.9	19.4	33.6	31.6	2.05	16.420			
700.0	698.0	700.6	700.2	1.4	1.2	-122.72	20.7	26.1	36.9	34.5	2.49	14.832			
800.0	795.8	801.6	800.4	1.7	1.5	-132.17	13.7	37.3	41.4	38.4	2.96	13.955			
900.0	892.4	903.1	900.1	2.2	1.8	-139.75	3.7	53.1	46.5	43.1	3.45	13.504			
1,000.0	987.5	1,004.3	998.5	2.8	2.2	-145.91	-8.9	73.1	52.3	48.4	3.91	13.379	SF		
1,100.0	1,080.9	1,103.6	1,094.7	3.5	2.6	-152.39	-22.0	94.0	61.9	57.6	4.27	14.479			
1,200.0	1,172.2	1,202.2	1,190.2	4.3	3.0	-158.54	-35.0	114.7	76.8	72.3	4.53	16.945			
1,300.0	1,261.3	1,299.8	1,284.7	5.1	3.5	-163.51	-47.9	135.2	97.3	92.6	4.75	20.498			
1,400.0	1,347.9	1,396.1	1,378.0	6.1	3.9	-167.23	-60.6	155.4	123.3	118.3	4.95	24.893			
1,500.0	1,431.8	1,490.8	1,469.8	7.2	4.4	-169.97	-73.2	175.3	154.5	149.4	5.16	29.946			
1,600.0	1,512.6	1,583.7	1,559.8	8.4	4.8	-171.96	-85.5	194.8	190.9	185.5	5.37	35.536			
1,700.0	1,590.6	1,674.8	1,648.0	9.6	5.2	-173.49	-97.5	214.0	231.9	226.3	5.61	41.329			
1,800.0	1,667.9	1,765.4	1,735.8	10.9	5.6	-174.66	-109.5	233.0	273.9	268.0	5.91	46.377			
1,900.0	1,745.2	1,856.0	1,823.6	12.1	6.1	-175.52	-121.5	252.1	316.0	309.8	6.21	50.863			
2,000.0	1,822.5	1,946.7	1,911.4	13.4	6.5	-176.18	-133.4	271.1	358.1	351.6	6.53	54.873			
2,100.0	1,899.8	2,037.3	1,999.1	14.6	6.9	-176.69	-145.4	290.1	400.3	393.4	6.84	58.481			
2,200.0	1,977.1	2,127.9	2,086.9	15.9	7.3	-177.11	-157.4	309.2	442.5	435.3	7.17	61.742			
2,300.0	2,054.4	2,218.5	2,174.7	17.2	7.8	-177.46	-169.4	328.2	484.7	477.2	7.49	64.705			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	13.05	10.1	2.3	10.4						
100.0	100.0	100.0	100.0	0.1	0.1	13.05	10.1	2.3	10.4	10.2	0.23	44.430			
200.0	200.0	200.0	200.0	0.3	0.3	13.05	10.1	2.3	10.4	9.8	0.58	17.825			
300.0	300.0	300.0	300.0	0.5	0.5	13.05	10.1	2.3	10.4	9.5	0.93	11.149 CC			
332.6	332.6	332.6	332.6	0.5	0.5	-108.00	10.1	2.3	10.4	9.4	1.05	9.975			
400.0	400.0	400.0	400.0	0.6	0.6	-110.64	10.1	2.3	10.6	9.3	1.28	8.275 ES			
500.0	499.8	500.3	500.2	0.8	0.8	-123.66	8.5	4.4	11.5	9.9	1.64	6.998			
600.0	599.3	600.7	600.3	1.1	1.0	-136.70	3.6	10.7	12.4	10.4	2.02	6.136			
700.0	698.0	701.3	700.0	1.4	1.3	-150.01	-4.5	21.0	13.5	11.2	2.39	5.664			
800.0	795.8	801.9	799.0	1.7	1.6	-163.33	-15.8	35.6	15.1	12.4	2.70	5.573 SF			
900.0	892.4	902.7	896.9	2.2	2.1	-176.07	-30.3	54.2	17.2	14.2	3.00	5.732			
1,000.0	987.5	1,002.7	993.2	2.8	2.5	173.49	-47.0	75.6	21.5	18.1	3.40	6.321			
1,100.0	1,080.9	1,102.2	1,088.9	3.5	3.0	168.77	-63.7	96.9	31.2	27.3	3.88	8.047			
1,200.0	1,172.2	1,201.1	1,184.1	4.3	3.5	167.78	-80.2	118.2	46.1	41.8	4.32	10.665			
1,300.0	1,261.3	1,299.1	1,278.3	5.1	4.0	168.20	-96.7	139.2	66.1	61.3	4.72	14.000			
1,400.0	1,347.9	1,395.9	1,371.5	6.1	4.5	169.02	-112.9	160.0	91.0	85.9	5.08	17.928			
1,500.0	1,431.8	1,491.3	1,463.3	7.2	5.0	169.87	-128.9	180.5	120.9	115.5	5.41	22.356			
1,600.0	1,512.6	1,585.0	1,553.4	8.4	5.4	170.64	-144.6	200.6	155.8	150.1	5.72	27.217			
1,700.0	1,590.6	1,676.9	1,641.9	9.6	5.9	171.35	-160.0	220.4	195.1	189.1	6.04	32.276			
1,800.0	1,667.9	1,768.4	1,729.9	10.9	6.4	171.95	-175.3	240.0	235.4	229.0	6.41	36.716			
1,900.0	1,745.2	1,859.9	1,818.0	12.1	6.8	172.37	-190.6	259.7	275.7	268.9	6.78	40.632			
2,000.0	1,822.5	1,951.4	1,906.0	13.4	7.3	172.69	-206.0	279.3	316.0	308.8	7.16	44.113			
2,100.0	1,899.8	2,042.9	1,994.0	14.6	7.8	172.93	-221.3	299.0	356.3	348.8	7.54	47.228			
2,200.0	1,977.1	2,134.4	2,082.1	15.9	8.2	173.13	-236.6	318.6	396.6	388.7	7.93	50.031			
2,300.0	2,054.4	2,225.9	2,170.1	17.2	8.7	173.29	-252.0	338.3	436.9	428.6	8.31	52.568			
2,400.0	2,131.7	2,317.4	2,258.2	18.4	9.2	173.42	-267.3	357.9	477.2	468.6	8.70	54.875			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	149.89	-12.1	7.0	14.0						
100.0	100.0	100.0	100.0	0.1	0.1	149.89	-12.1	7.0	14.0	13.8	0.23	59.996			
200.0	200.0	200.0	200.0	0.3	0.3	149.89	-12.1	7.0	14.0	13.4	0.58	24.070			
300.0	300.0	300.0	300.0	0.5	0.5	149.89	-12.1	7.0	14.0	13.1	0.93	15.055			
400.0	400.0	400.0	400.0	0.6	0.6	30.95	-12.1	7.0	13.5	12.2	1.28	10.513			
500.0	499.8	499.4	499.3	0.8	0.8	40.36	-13.9	8.9	11.6	10.0	1.64	7.101			
580.7	580.1	579.6	579.3	1.0	1.0	53.54	-18.0	13.1	11.0	9.1	1.96	5.618	CC		
600.0	599.3	598.8	598.5	1.1	1.0	57.25	-19.3	14.5	11.1	9.0	2.05	5.407	ES		
700.0	698.0	698.4	697.2	1.4	1.3	76.39	-28.2	23.9	12.6	10.0	2.61	4.837	SF		
800.0	795.8	798.0	795.1	1.7	1.6	90.61	-40.6	37.0	16.4	13.1	3.35	4.908			
900.0	892.4	897.7	892.1	2.2	2.0	98.99	-56.6	53.7	22.1	17.8	4.24	5.204			
1,000.0	987.5	997.4	987.7	2.8	2.5	103.83	-76.0	74.0	29.1	23.9	5.27	5.526			
1,100.0	1,080.9	1,096.8	1,082.7	3.5	3.0	111.96	-96.3	95.3	37.9	31.6	6.30	6.016			
1,200.0	1,172.2	1,195.8	1,177.3	4.3	3.6	122.17	-116.5	116.5	49.8	42.6	7.15	6.961			
1,300.0	1,261.3	1,294.0	1,271.1	5.1	4.1	131.71	-136.5	137.6	66.0	58.2	7.76	8.505			
1,400.0	1,347.9	1,391.1	1,363.8	6.1	4.6	139.51	-156.3	158.4	87.3	79.1	8.19	10.654			
1,500.0	1,431.8	1,486.9	1,455.3	7.2	5.1	145.56	-175.9	178.9	113.7	105.2	8.52	13.343			
1,600.0	1,512.6	1,581.1	1,545.3	8.4	5.7	150.18	-195.1	199.0	145.4	136.6	8.82	16.491			
1,700.0	1,590.6	1,673.6	1,633.6	9.6	6.2	153.86	-214.0	218.9	181.9	172.8	9.09	20.015			
1,800.0	1,667.9	1,765.7	1,721.6	10.9	6.7	156.66	-232.8	238.6	219.7	210.3	9.40	23.376			
1,900.0	1,745.2	1,857.8	1,809.6	12.1	7.2	158.64	-251.6	258.3	257.9	248.2	9.77	26.400			
2,000.0	1,822.5	1,949.9	1,897.6	13.4	7.7	160.11	-270.4	278.0	296.3	286.1	10.18	29.118			
2,100.0	1,899.8	2,042.0	1,985.6	14.6	8.2	161.25	-289.2	297.8	334.8	324.2	10.61	31.567			
2,200.0	1,977.1	2,134.1	2,073.6	15.9	8.7	162.15	-308.0	317.5	373.4	362.4	11.05	33.780			
2,300.0	2,054.4	2,226.2	2,161.5	17.2	9.2	162.88	-326.8	337.2	412.1	400.6	11.51	35.788			
2,400.0	2,131.7	2,318.3	2,249.5	18.4	9.7	163.49	-345.6	356.9	450.8	438.8	11.98	37.617			
2,500.0	2,209.0	2,410.4	2,337.5	19.7	10.2	164.00	-364.4	376.7	489.5	477.1	12.46	39.288			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Tooface (")	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	169.57	-21.2	3.9	21.6						
100.0	100.0	100.0	100.0	0.1	0.1	169.57	-21.2	3.9	21.6	21.4	0.23	92.362			
200.0	200.0	200.0	200.0	0.3	0.3	169.57	-21.2	3.9	21.6	21.0	0.58	37.055			
300.0	300.0	300.0	300.0	0.5	0.5	169.57	-21.2	3.9	21.6	20.7	0.93	23.177			
400.0	400.0	400.0	400.0	0.6	0.6	50.60	-21.2	3.9	21.2	19.9	1.28	16.531			
500.0	499.8	499.8	499.8	0.8	0.8	63.42	-21.2	3.9	18.3	16.7	1.64	11.152			
576.9	576.4	576.3	576.3	1.0	0.9	87.17	-21.4	4.0	16.5	14.5	1.96	8.408 CC, ES			
600.0	599.3	599.2	599.2	1.1	1.0	95.58	-21.7	4.3	16.7	14.6	2.05	8.136 SF			
700.0	698.0	698.5	698.4	1.4	1.2	123.74	-25.8	7.4	22.4	19.9	2.47	9.063			
800.0	795.8	798.3	797.6	1.7	1.4	136.27	-34.1	13.7	32.8	29.9	2.91	11.252			
900.0	892.4	898.4	896.4	2.2	1.7	140.88	-46.4	23.1	45.4	42.0	3.43	13.247			
1,000.0	987.5	998.7	994.6	2.8	2.0	142.06	-63.0	35.7	59.7	55.7	4.07	14.679			
1,100.0	1,080.9	1,099.3	1,091.7	3.5	2.5	141.67	-83.6	51.5	75.5	70.6	4.87	15.514			
1,200.0	1,172.2	1,200.0	1,187.5	4.3	3.0	140.48	-108.4	70.3	92.7	86.8	5.85	15.850			
1,300.0	1,261.3	1,299.7	1,280.7	5.1	3.6	139.12	-136.4	91.8	111.5	104.5	6.98	15.965			
1,400.0	1,347.9	1,397.2	1,371.6	6.1	4.2	139.15	-164.6	113.2	133.8	125.7	8.11	16.504			
1,500.0	1,431.8	1,493.6	1,461.4	7.2	4.8	140.22	-192.4	134.4	160.0	150.8	9.17	17.443			
1,600.0	1,512.6	1,588.7	1,550.0	8.4	5.5	141.80	-219.8	155.4	190.2	180.0	10.17	18.701			
1,700.0	1,590.6	1,682.3	1,637.3	9.6	6.1	143.75	-246.8	176.0	224.3	213.2	11.08	20.238			
1,800.0	1,667.9	1,775.7	1,724.3	10.9	6.7	145.62	-273.8	196.5	259.5	247.5	11.96	21.687			
1,900.0	1,745.2	1,869.0	1,811.2	12.1	7.3	147.04	-300.7	217.0	294.8	282.0	12.85	22.936			
2,000.0	1,822.5	1,962.3	1,898.2	13.4	7.9	148.16	-327.6	237.6	330.3	316.5	13.75	24.022			
2,100.0	1,899.8	2,055.6	1,985.2	14.6	8.5	149.07	-354.5	258.1	365.8	351.2	14.65	24.973			
2,200.0	1,977.1	2,149.0	2,072.1	15.9	9.1	149.81	-381.4	278.6	401.5	385.9	15.55	25.811			
2,300.0	2,054.4	2,242.3	2,159.1	17.2	9.8	150.43	-408.4	299.2	437.1	420.7	16.46	26.555			
2,400.0	2,131.7	2,335.6	2,246.1	18.4	10.4	150.96	-435.3	319.7	472.8	455.5	17.37	27.219			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	177.14	-31.4	1.6	31.4						
100.0	100.0	100.0	100.0	0.1	0.1	177.14	-31.4	1.6	31.4	31.2	0.23	134.284			
200.0	200.0	200.0	200.0	0.3	0.3	177.14	-31.4	1.6	31.4	30.8	0.58	53.875			
300.0	300.0	300.0	300.0	0.5	0.5	177.14	-31.4	1.6	31.4	30.5	0.93	33.697			
400.0	400.0	400.0	400.0	0.6	0.6	57.85	-31.4	1.6	31.1	29.8	1.28	24.236			
500.0	499.8	499.8	499.8	0.8	0.8	66.81	-31.4	1.6	28.6	27.0	1.64	17.419			
573.8	573.3	572.7	572.7	1.0	0.9	78.71	-32.5	2.3	27.4	25.5	1.94	14.112	CC, ES		
600.0	599.3	598.6	598.5	1.1	1.0	83.32	-33.5	3.0	27.6	25.5	2.05	13.439			
700.0	698.0	697.5	697.2	1.4	1.2	99.88	-39.8	7.3	31.2	28.7	2.55	12.269	SF		
800.0	795.8	796.7	795.5	1.7	1.4	111.62	-50.4	14.4	39.2	36.1	3.13	12.524			
900.0	892.4	895.9	893.1	2.2	1.8	118.39	-65.3	24.4	50.5	46.7	3.83	13.194			
1,000.0	987.5	995.2	989.6	2.8	2.2	121.86	-84.3	37.2	64.3	59.7	4.66	13.802			
1,100.0	1,080.9	1,094.4	1,084.8	3.5	2.6	123.39	-107.5	52.8	80.4	74.8	5.66	14.205			
1,200.0	1,172.2	1,193.5	1,178.3	4.3	3.2	123.80	-134.7	71.0	98.6	91.7	6.84	14.407			
1,300.0	1,261.3	1,292.1	1,269.7	5.1	3.9	123.63	-165.6	91.8	118.8	110.6	8.18	14.511			
1,400.0	1,347.9	1,389.4	1,359.3	6.1	4.5	124.52	-197.2	113.1	141.5	132.0	9.55	14.826			
1,500.0	1,431.8	1,485.8	1,448.0	7.2	5.2	126.44	-228.4	134.1	167.4	156.5	10.88	15.392			
1,600.0	1,512.6	1,580.9	1,535.5	8.4	5.9	128.82	-259.3	154.8	196.7	184.5	12.15	16.181			
1,700.0	1,590.6	1,674.7	1,621.9	9.6	6.5	131.58	-289.7	175.3	229.4	216.1	13.34	17.199			
1,800.0	1,667.9	1,768.2	1,707.9	10.9	7.2	134.19	-320.0	195.6	263.3	248.8	14.46	18.203			
1,900.0	1,745.2	1,861.7	1,794.0	12.1	7.8	136.21	-350.3	216.0	297.6	282.0	15.59	19.093			
2,000.0	1,822.5	1,955.2	1,880.0	13.4	8.5	137.81	-380.6	236.4	332.1	315.4	16.70	19.882			
2,100.0	1,899.8	2,048.7	1,966.1	14.6	9.2	139.12	-410.9	256.8	366.8	349.0	17.82	20.583			
2,200.0	1,977.1	2,142.1	2,052.1	15.9	9.8	140.19	-441.2	277.2	401.7	382.7	18.94	21.209			
2,300.0	2,054.4	2,235.6	2,138.2	17.2	10.5	141.10	-471.5	297.5	436.7	416.6	20.06	21.769			
2,400.0	2,131.7	2,329.1	2,224.2	18.4	11.2	141.87	-501.9	317.9	471.7	450.5	21.18	22.274			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	-177.79	-40.5	-1.6	40.5						
100.0	100.0	100.0	100.0	0.1	0.1	-177.79	-40.5	-1.6	40.5	40.3	0.23	173.147			
200.0	200.0	200.0	200.0	0.3	0.3	-177.79	-40.5	-1.6	40.5	39.9	0.58	69.466			
300.0	300.0	300.0	300.0	0.5	0.5	-177.79	-40.5	-1.6	40.5	39.6	0.93	43.449			
400.0	400.0	400.0	400.0	0.6	0.6	62.73	-40.5	-1.6	40.2	38.9	1.28	31.366			
500.0	499.8	499.1	499.1	0.8	0.8	69.09	-41.0	-1.2	38.6	36.9	1.64	23.486			
528.5	528.2	527.1	527.1	0.9	0.9	71.55	-41.8	-0.8	38.4	36.7	1.76	21.884	CC, ES		
600.0	599.3	597.5	597.3	1.1	1.0	78.36	-45.3	1.4	39.3	37.2	2.05	19.129			
700.0	698.0	695.9	695.2	1.4	1.2	88.06	-54.0	6.6	43.4	40.8	2.57	16.911			
800.0	795.8	794.3	792.5	1.7	1.5	96.27	-67.0	14.4	51.1	47.9	3.22	15.875			
900.0	892.4	892.6	888.7	2.2	1.9	102.26	-84.2	24.8	62.1	58.1	4.02	15.432			
1,000.0	987.5	990.7	983.5	2.8	2.3	106.25	-105.6	37.7	76.1	71.1	4.99	15.247			
1,100.0	1,080.9	1,088.5	1,076.7	3.5	2.8	108.76	-131.1	53.0	92.7	86.6	6.12	15.153			
1,200.0	1,172.2	1,186.0	1,167.9	4.3	3.4	110.23	-160.5	70.7	111.9	104.5	7.42	15.082			
1,300.0	1,261.3	1,283.1	1,256.9	5.1	4.1	111.00	-193.7	90.7	133.5	124.6	8.88	15.034	SF		
1,400.0	1,347.9	1,380.1	1,345.0	6.1	4.8	112.33	-228.5	111.7	157.2	146.8	10.42	15.086			
1,500.0	1,431.8	1,476.3	1,432.3	7.2	5.6	114.62	-263.1	132.5	183.2	171.2	11.98	15.289			
1,600.0	1,512.6	1,571.3	1,518.6	8.4	6.3	117.37	-297.3	153.0	211.8	198.3	13.53	15.658			
1,700.0	1,590.6	1,665.1	1,603.7	9.6	7.0	120.56	-331.0	173.3	243.4	228.4	15.00	16.223			
1,800.0	1,667.9	1,758.7	1,688.6	10.9	7.7	123.61	-364.6	193.6	276.2	259.8	16.41	16.832			
1,900.0	1,745.2	1,852.2	1,773.5	12.1	8.4	126.03	-398.2	213.8	309.6	291.8	17.79	17.402			
2,000.0	1,822.5	1,945.7	1,858.4	13.4	9.1	127.97	-431.8	234.1	343.4	324.2	19.15	17.927			
2,100.0	1,899.8	2,039.3	1,943.3	14.6	9.8	129.57	-465.4	254.3	377.5	357.0	20.51	18.405			
2,200.0	1,977.1	2,132.8	2,028.2	15.9	10.5	130.91	-499.1	274.5	411.8	389.9	21.85	18.842			
2,300.0	2,054.4	2,226.3	2,113.1	17.2	11.2	132.04	-532.7	294.8	446.2	423.0	23.19	19.239			
2,400.0	2,131.7	2,319.8	2,198.0	18.4	12.0	133.01	-566.3	315.0	480.9	456.3	24.53	19.601			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft		
Survey Program: 0-MWD													H04 596 Pad - UWF13C-03 H04 596 - DD - Plan #2		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	-175.58	-50.6	-3.9	50.7							
100.0	100.0	100.0	100.0	0.1	0.1	-175.58	-50.6	-3.9	50.7	50.5	0.23	216.927				
200.0	200.0	200.0	200.0	0.3	0.3	-175.58	-50.6	-3.9	50.7	50.2	0.58	87.031				
300.0	300.0	300.0	300.0	0.5	0.5	-175.58	-50.6	-3.9	50.7	49.8	0.93	54.435				
400.0	400.0	400.0	400.0	0.6	0.6	64.78	-50.6	-3.9	50.5	49.2	1.28	39.374				
449.8	449.7	448.7	448.7	0.7	0.7	66.37	-51.1	-3.6	50.2	48.7	1.46	34.368	CC, ES			
500.0	499.8	497.8	497.8	0.8	0.8	68.48	-52.8	-2.7	50.5	48.8	1.64	30.752				
600.0	599.3	595.6	595.3	1.1	1.0	73.84	-59.4	0.8	53.0	51.0	2.06	25.792				
700.0	698.0	693.3	692.2	1.4	1.3	79.89	-70.4	6.7	58.5	55.9	2.58	22.689				
800.0	795.8	790.7	788.0	1.7	1.6	85.66	-85.7	14.8	67.1	63.8	3.25	20.636				
900.0	892.4	887.8	882.6	2.2	2.0	90.56	-105.3	25.2	78.8	74.7	4.10	19.248				
1,000.0	987.5	984.5	975.4	2.8	2.5	94.40	-128.9	37.8	93.7	88.6	5.12	18.307				
1,100.0	1,080.9	1,080.7	1,066.4	3.5	3.0	97.28	-156.5	52.6	111.5	105.2	6.31	17.663				
1,200.0	1,172.2	1,176.2	1,155.0	4.3	3.7	99.35	-187.9	69.3	132.1	124.5	7.68	17.214				
1,300.0	1,261.3	1,271.1	1,241.2	5.1	4.4	100.80	-222.9	88.0	155.4	146.2	9.19	16.907				
1,400.0	1,347.9	1,367.3	1,327.3	6.1	5.2	102.38	-260.7	108.1	180.8	169.9	10.83	16.685				
1,500.0	1,431.8	1,463.1	1,413.0	7.2	5.9	104.77	-298.4	128.2	207.6	195.1	12.55	16.543				
1,600.0	1,512.6	1,557.8	1,497.8	8.4	6.7	107.60	-335.7	148.1	236.5	222.2	14.30	16.533	SF			
1,700.0	1,590.6	1,651.3	1,581.5	9.6	7.4	110.90	-372.5	167.7	267.7	251.7	16.03	16.699				
1,800.0	1,667.9	1,744.6	1,665.0	10.9	8.2	114.16	-409.2	187.3	300.3	282.6	17.70	16.963				
1,900.0	1,745.2	1,837.9	1,748.5	12.1	8.9	116.78	-445.9	206.9	333.6	314.2	19.33	17.254				
2,000.0	1,822.5	1,931.2	1,832.0	13.4	9.7	118.94	-482.7	226.5	367.3	346.4	20.93	17.549				
2,100.0	1,899.8	2,024.5	1,915.5	14.6	10.4	120.74	-519.4	246.1	401.5	379.0	22.51	17.837				
2,200.0	1,977.1	2,117.8	1,999.0	15.9	11.2	122.25	-556.1	265.6	436.0	411.9	24.07	18.110				
2,300.0	2,054.4	2,211.0	2,082.5	17.2	11.9	123.55	-592.8	285.2	470.7	445.1	25.63	18.368				

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	-173.27	-59.7	-7.0	60.1						
100.0	100.0	100.0	100.0	0.1	0.1	-173.27	-59.7	-7.0	60.1	59.9	0.23	257.006			
200.0	200.0	200.0	200.0	0.3	0.3	-173.27	-59.7	-7.0	60.1	59.5	0.58	103.110			
300.0	300.0	300.0	300.0	0.5	0.5	-173.27	-59.7	-7.0	60.1	59.2	0.93	64.492			
338.5	338.4	338.4	338.4	0.5	0.5	66.58	-59.7	-7.0	60.0	59.0	1.07	56.295 CC, ES			
400.0	400.0	398.7	398.7	0.6	0.6	66.63	-60.2	-6.8	60.4	59.1	1.28	47.199			
500.0	499.8	496.1	495.9	0.8	0.8	68.35	-64.7	-4.6	62.6	61.0	1.64	38.132			
600.0	599.3	593.3	592.6	1.1	1.0	71.43	-73.5	-0.2	67.2	65.1	2.06	32.597			
700.0	698.0	690.2	688.4	1.4	1.3	75.29	-86.7	6.4	74.4	71.8	2.59	28.755			
800.0	795.8	786.6	782.8	1.7	1.7	79.32	-104.2	15.1	84.3	81.1	3.26	25.869			
900.0	892.4	882.6	875.7	2.2	2.1	83.10	-125.8	25.8	97.3	93.1	4.11	23.660			
1,000.0	987.5	978.0	966.7	2.8	2.7	86.39	-151.3	38.5	113.1	108.0	5.14	21.991			
1,100.0	1,080.9	1,072.6	1,055.5	3.5	3.3	89.12	-180.7	53.1	131.9	125.5	6.36	20.750			
1,200.0	1,172.2	1,166.5	1,141.9	4.3	3.9	91.30	-213.6	69.5	153.5	145.7	7.74	19.831			
1,300.0	1,261.3	1,259.6	1,225.6	5.1	4.7	93.01	-250.0	87.5	177.8	168.5	9.28	19.150			
1,400.0	1,347.9	1,354.1	1,308.9	6.1	5.5	94.58	-290.0	107.4	204.4	193.4	10.97	18.623			
1,500.0	1,431.8	1,449.5	1,392.8	7.2	6.3	96.82	-330.6	127.6	232.0	219.2	12.79	18.137			
1,600.0	1,512.6	1,544.0	1,476.0	8.4	7.1	99.51	-370.9	147.6	260.9	246.3	14.69	17.762			
1,700.0	1,590.6	1,637.5	1,558.2	9.6	7.9	102.73	-410.7	167.4	291.7	275.1	16.62	17.555			
1,800.0	1,667.9	1,730.8	1,640.2	10.9	8.7	105.99	-450.4	187.1	323.7	305.2	18.50	17.494 SF			
1,900.0	1,745.2	1,824.0	1,722.2	12.1	9.5	108.67	-490.1	206.9	356.5	336.2	20.35	17.521			
2,000.0	1,822.5	1,917.2	1,804.2	13.4	10.3	110.91	-529.9	226.6	389.9	367.7	22.16	17.597			
2,100.0	1,899.8	2,010.4	1,886.2	14.6	11.1	112.80	-569.6	246.3	423.8	399.8	23.94	17.700			
2,200.0	1,977.1	2,103.7	1,968.3	15.9	11.9	114.42	-609.3	266.1	458.0	432.3	25.70	17.817			
2,300.0	2,054.4	2,196.9	2,050.3	17.2	12.7	115.81	-649.0	285.8	492.5	465.0	27.45	17.940			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	-172.34	-69.8	-9.4	70.4						
100.0	100.0	100.0	100.0	0.1	0.1	-172.34	-69.8	-9.4	70.4	70.2	0.23	301.169			
200.0	200.0	200.0	200.0	0.3	0.3	-172.34	-69.8	-9.4	70.4	69.9	0.58	120.828			
300.0	300.0	300.0	300.0	0.5	0.5	-172.34	-69.8	-9.4	70.4	69.5	0.93	75.574 CC, ES			
400.0	400.0	396.9	396.9	0.6	0.6	66.73	-72.0	-8.4	72.3	71.1	1.28	56.611			
500.0	499.8	493.6	493.3	0.8	0.8	67.20	-78.7	-5.3	76.7	75.1	1.64	46.675			
600.0	599.3	590.0	588.9	1.1	1.1	68.95	-89.8	-0.3	83.4	81.4	2.07	40.338			
700.0	698.0	685.9	683.2	1.4	1.4	71.53	-105.1	6.8	92.6	90.0	2.60	35.677			
800.0	795.8	781.2	776.1	1.7	1.8	74.50	-124.6	15.7	104.3	101.1	3.26	31.961			
900.0	892.4	875.8	867.1	2.2	2.3	77.51	-148.2	26.4	118.8	114.7	4.10	28.955			
1,000.0	987.5	969.6	956.0	2.8	2.9	80.34	-175.5	38.9	136.1	131.0	5.12	26.566			
1,100.0	1,080.9	1,062.6	1,042.5	3.5	3.5	82.85	-206.4	53.1	156.3	149.9	6.33	24.706			
1,200.0	1,172.2	1,154.6	1,126.4	4.3	4.2	85.00	-240.8	68.8	179.2	171.5	7.70	23.275			
1,300.0	1,261.3	1,245.7	1,207.5	5.1	4.9	86.79	-278.4	86.0	204.8	195.6	9.24	22.174			
1,400.0	1,347.9	1,337.6	1,287.5	6.1	5.8	88.36	-319.7	104.9	232.9	222.0	10.93	21.314			
1,500.0	1,431.8	1,432.5	1,369.5	7.2	6.6	90.43	-363.0	124.7	261.9	249.2	12.79	20.485			
1,600.0	1,512.6	1,526.6	1,450.9	8.4	7.5	92.91	-406.0	144.3	291.7	277.0	14.77	19.759			
1,700.0	1,590.6	1,619.7	1,531.5	9.6	8.3	95.95	-448.5	163.7	322.8	306.0	16.81	19.201			
1,800.0	1,667.9	1,712.6	1,611.8	10.9	9.1	99.12	-490.9	183.1	355.1	336.3	18.85	18.837			
1,900.0	1,745.2	1,805.6	1,692.2	12.1	10.0	101.78	-533.3	202.5	388.2	367.4	20.85	18.619			
2,000.0	1,822.5	1,898.5	1,772.5	13.4	10.8	104.02	-575.7	221.9	422.0	399.1	22.82	18.493			
2,100.0	1,899.8	1,991.4	1,852.9	14.6	11.7	105.94	-618.2	241.3	456.2	431.5	24.76	18.428			
2,200.0	1,977.1	2,084.3	1,933.2	15.9	12.5	107.60	-660.6	260.7	490.9	464.2	26.68	18.402 SF			

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-164.38	-47.6	-13.3	49.4						
100.0	100.0	100.0	100.0	0.1	0.1	-164.38	-47.6	-13.3	49.4	49.1	0.23	211.121			
200.0	200.0	200.0	200.0	0.3	0.3	-164.38	-47.6	-13.3	49.4	48.8	0.58	84.701			
300.0	300.0	300.0	300.0	0.5	0.5	-164.38	-47.6	-13.3	49.4	48.4	0.93	52.978			
400.0	400.0	400.0	400.0	0.6	0.6	76.05	-47.6	-13.3	49.2	47.9	1.28	38.405			
496.9	496.7	496.2	496.2	0.8	0.8	81.76	-47.7	-13.3	48.4	46.7	1.63	29.628 CC			
500.0	499.8	499.2	499.2	0.8	0.8	82.03	-47.7	-13.3	48.4	46.7	1.64	29.425 ES			
600.0	599.3	596.2	596.2	1.1	1.0	92.65	-51.3	-14.3	51.6	49.6	2.05	25.234			
700.0	698.0	692.1	691.7	1.4	1.2	104.48	-59.2	-17.1	62.4	59.9	2.51	24.892 SF			
800.0	795.8	786.2	784.9	1.7	1.4	113.95	-71.2	-22.0	81.6	78.6	3.03	26.931			
900.0	892.4	878.0	875.0	2.2	1.7	120.23	-86.8	-28.6	108.8	105.2	3.63	29.995			
1,000.0	987.5	966.8	961.5	2.8	2.1	124.07	-105.7	-36.8	143.1	138.8	4.31	33.222			
1,100.0	1,080.9	1,052.4	1,043.7	3.5	2.5	126.28	-127.2	-46.4	184.0	178.9	5.08	36.217			
1,200.0	1,172.2	1,134.2	1,121.3	4.3	3.0	127.44	-150.9	-57.2	230.8	224.8	5.94	38.852			
1,300.0	1,261.3	1,212.1	1,194.1	5.1	3.4	127.89	-176.1	-68.7	283.1	276.2	6.88	41.116			
1,400.0	1,347.9	1,285.9	1,261.9	6.1	4.0	127.82	-202.5	-80.8	340.4	332.5	7.92	42.998			
1,500.0	1,431.8	1,355.5	1,324.8	7.2	4.5	127.35	-229.5	-93.3	402.4	393.4	9.03	44.575			
1,600.0	1,512.6	1,428.1	1,389.6	8.4	5.1	126.79	-259.2	-107.1	468.3	458.0	10.23	45.769			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	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	102.17	-2.0	9.4	9.6							
100.0	100.0	100.0	100.0	0.1	0.1	102.17	-2.0	9.4	9.6	9.4	0.23	41.058				
200.0	200.0	200.0	200.0	0.3	0.3	102.17	-2.0	9.4	9.6	9.0	0.58	16.472				
300.0	300.0	300.0	300.0	0.5	0.5	102.17	-2.0	9.4	9.6	8.7	0.93	10.303 CC, ES				
400.0	400.0	399.4	399.4	0.6	0.6	-19.63	-2.5	11.9	11.6	10.3	1.28	9.052				
500.0	499.8	498.7	498.3	0.8	0.9	-26.84	-3.8	19.6	14.6	12.9	1.63	8.943				
600.0	599.3	597.9	596.7	1.1	1.1	-34.27	-6.9	31.9	18.0	16.0	2.01	8.978				
700.0	698.0	697.0	694.2	1.4	1.5	-39.17	-12.6	48.6	21.6	19.2	2.46	8.786				
800.0	795.8	796.0	790.6	1.7	1.9	-42.59	-20.9	69.6	25.3	22.2	3.03	8.332				
900.0	892.4	895.0	885.7	2.2	2.4	-45.09	-31.8	94.8	28.8	25.1	3.75	7.700				
1,000.0	987.5	993.8	979.1	2.8	3.0	-46.98	-45.2	124.1	32.4	27.8	4.63	6.999				
1,100.0	1,080.9	1,092.6	1,070.7	3.5	3.7	-48.46	-61.1	157.6	35.8	30.1	5.68	6.307				
1,200.0	1,172.2	1,191.3	1,160.1	4.3	4.5	-49.63	-79.4	194.9	39.2	32.3	6.91	5.668				
1,300.0	1,261.3	1,289.9	1,247.3	5.1	5.4	-50.59	-100.2	236.2	42.4	34.1	8.32	5.096				
1,400.0	1,347.9	1,388.5	1,331.9	6.1	6.4	-51.38	-123.3	281.1	45.5	35.6	9.91	4.592				
1,500.0	1,431.8	1,487.0	1,413.8	7.2	7.5	-52.05	-148.6	329.7	48.4	36.8	11.66	4.152				
1,600.0	1,512.6	1,586.9	1,495.2	8.4	8.6	-54.86	-175.5	380.9	49.9	36.0	13.91	3.586				
1,700.0	1,590.6	1,686.7	1,576.5	9.6	9.8	-62.33	-202.4	432.1	49.0	31.9	17.07	2.870				
1,781.9	1,653.9	1,768.3	1,643.1	10.6	10.7	-69.47	-224.4	474.0	48.6	28.8	19.84	2.450				
1,800.0	1,667.9	1,786.4	1,657.8	10.9	10.9	-71.05	-229.3	483.2	48.6	28.2	20.44	2.379				
1,900.0	1,745.2	1,886.1	1,739.1	12.1	12.0	-79.70	-256.2	534.3	49.4	25.8	23.64	2.090				
2,000.0	1,822.5	1,985.8	1,820.4	13.4	13.2	-87.91	-283.1	585.5	51.3	24.8	26.46	1.937				
2,100.0	1,899.8	2,085.6	1,901.7	14.6	14.3	-95.40	-310.0	636.6	54.1	25.2	28.85	1.875				
2,200.0	1,977.1	2,185.3	1,982.9	15.9	15.4	-102.05	-336.8	687.7	57.7	26.9	30.81	1.874				
2,300.0	2,054.4	2,285.0	2,064.2	17.2	16.6	-107.85	-363.7	738.9	62.1	29.7	32.42	1.915				
2,400.0	2,131.7	2,384.7	2,145.5	18.4	17.7	-112.85	-390.6	790.0	67.0	33.2	33.75	1.984				
2,500.0	2,209.0	2,484.4	2,226.8	19.7	18.9	-117.14	-417.5	841.1	72.3	37.4	34.89	2.072				
2,600.0	2,286.3	2,584.2	2,308.1	21.0	20.0	-120.82	-444.4	892.3	78.0	42.1	35.91	2.171				
2,700.0	2,363.6	2,683.9	2,389.4	22.2	21.1	-124.00	-471.2	943.4	83.9	47.1	36.83	2.279				
2,800.0	2,440.9	2,783.6	2,470.7	23.5	22.3	-126.75	-498.1	994.5	90.1	52.4	37.69	2.390				
2,900.0	2,518.2	2,883.3	2,552.0	24.8	23.4	-129.14	-525.0	1,045.6	96.5	57.9	38.53	2.504				
3,000.0	2,595.5	2,983.1	2,633.2	26.0	24.6	-131.23	-551.9	1,096.8	103.0	63.6	39.34	2.617				
3,100.0	2,672.8	3,082.8	2,714.5	27.3	25.7	-133.08	-578.8	1,147.9	109.6	69.4	40.14	2.730				
3,200.0	2,750.1	3,182.5	2,795.8	28.6	26.9	-134.71	-605.7	1,199.0	116.3	75.4	40.93	2.841				
3,300.0	2,827.4	3,282.2	2,877.1	29.9	28.0	-136.16	-632.5	1,250.2	123.1	81.4	41.73	2.950				
3,400.0	2,904.7	3,381.9	2,958.4	31.1	29.2	-137.46	-659.4	1,301.3	130.0	87.5	42.53	3.057				
3,500.0	2,982.0	3,481.7	3,039.7	32.4	30.3	-138.63	-686.3	1,352.4	136.9	93.6	43.34	3.160				
3,600.0	3,059.3	3,581.4	3,121.0	33.7	31.4	-139.68	-713.2	1,403.6	143.9	99.8	44.14	3.260				
3,700.0	3,136.6	3,681.1	3,202.3	34.9	32.6	-140.64	-740.1	1,454.7	151.0	106.0	44.96	3.358				
3,800.0	3,213.9	3,780.8	3,283.5	36.2	33.7	-141.51	-766.9	1,505.8	158.0	112.3	45.78	3.452				
3,900.0	3,291.2	3,880.6	3,364.8	37.5	34.9	-142.31	-793.8	1,556.9	165.1	118.5	46.61	3.543				
4,000.0	3,368.5	3,980.3	3,446.1	38.8	36.0	-143.04	-820.7	1,608.1	172.3	124.8	47.44	3.631				
4,100.0	3,445.8	4,080.0	3,527.4	40.0	37.2	-143.71	-847.6	1,659.2	179.4	131.2	48.28	3.717				
4,200.0	3,523.1	4,179.7	3,608.7	41.3	38.3	-144.33	-874.5	1,710.3	186.6	137.5	49.13	3.799				
4,300.0	3,600.4	4,279.4	3,690.0	42.6	39.5	-144.91	-901.4	1,761.5	193.8	143.9	49.98	3.878				
4,400.0	3,677.7	4,379.2	3,771.3	43.8	40.6	-145.44	-928.2	1,812.6	201.1	150.2	50.83	3.955				
4,500.0	3,755.0	4,478.9	3,852.5	45.1	41.7	-145.94	-955.1	1,863.7	208.3	156.6	51.69	4.029				
4,600.0	3,832.3	4,578.6	3,933.8	46.4	42.9	-146.40	-982.0	1,914.9	215.5	163.0	52.56	4.101				
4,700.0	3,909.6	4,678.3	4,015.1	47.7	44.0	-146.83	-1,008.9	1,966.0	222.8	169.4	53.42	4.171				
4,800.0	3,986.9	4,778.1	4,096.4	48.9	45.2	-147.24	-1,035.8	2,017.1	230.1	175.8	54.30	4.238				
4,900.0	4,064.2	4,877.8	4,177.7	50.2	46.3	-147.62	-1,062.7	2,068.2	237.4	182.2	55.17	4.302				
5,000.0	4,141.5	4,977.5	4,259.0	51.5	47.5	-147.98	-1,089.5	2,119.4	244.7	188.6	56.05	4.365				

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft								
Survey Program: 0-MWD													Offset Well Error:		0.0 ft							
Reference													Offset		Semi Major Axis		Distance				Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning									
5,100.0	4,218.8	5,077.2	4,340.3	52.8	48.6	-148.32	-1,116.4	2,170.5	252.0	195.0	56.93	4.426										
5,200.0	4,296.1	5,176.9	4,421.6	54.0	49.8	-148.64	-1,143.3	2,221.6	259.3	201.5	57.82	4.485										
5,300.0	4,373.4	5,276.7	4,502.8	55.3	50.9	-148.94	-1,170.2	2,272.8	266.6	207.9	58.71	4.542										
5,400.0	4,450.7	5,376.4	4,584.1	56.6	52.1	-149.22	-1,197.1	2,323.9	274.0	214.4	59.60	4.597										
5,500.0	4,528.1	5,476.1	4,665.4	57.9	53.2	-149.49	-1,223.9	2,375.0	281.3	220.8	60.49	4.650										
5,600.0	4,605.4	5,575.8	4,746.7	59.1	54.3	-149.75	-1,250.8	2,426.2	288.6	227.2	61.39	4.702										
5,700.0	4,682.7	5,675.5	4,828.0	60.4	55.5	-149.99	-1,277.7	2,477.3	296.0	233.7	62.29	4.752										
5,800.0	4,760.0	5,775.3	4,909.3	61.7	56.6	-150.22	-1,304.6	2,528.4	303.3	240.1	63.19	4.801										
5,900.0	4,837.3	5,875.0	4,990.6	62.9	57.8	-150.44	-1,331.5	2,579.5	310.7	246.6	64.09	4.848										
6,000.0	4,914.6	5,974.7	5,071.9	64.2	58.9	-150.65	-1,358.4	2,630.7	318.0	253.1	64.99	4.894										
6,100.0	4,991.9	6,074.4	5,153.1	65.5	60.1	-150.86	-1,385.2	2,681.8	325.4	259.5	65.90	4.938										
6,200.0	5,069.2	6,174.2	5,234.4	66.8	61.2	-151.05	-1,412.1	2,732.9	332.8	266.0	66.80	4.982										
6,300.0	5,146.5	6,273.9	5,315.7	68.0	62.4	-151.23	-1,439.0	2,784.1	340.2	272.4	67.71	5.024										
6,400.0	5,223.8	6,373.6	5,397.0	69.3	63.5	-151.41	-1,465.9	2,835.2	347.5	278.9	68.62	5.064										
6,500.0	5,301.1	6,473.3	5,478.3	70.6	64.7	-151.58	-1,492.8	2,886.3	354.9	285.4	69.53	5.104										
6,600.0	5,378.4	6,573.0	5,559.6	71.9	65.8	-151.74	-1,519.6	2,937.4	362.3	291.9	70.45	5.143										
6,700.0	5,455.7	6,672.8	5,640.9	73.1	67.0	-151.89	-1,546.5	2,988.6	369.7	298.3	71.36	5.180										
6,800.0	5,533.0	6,772.5	5,722.1	74.4	68.1	-152.04	-1,573.4	3,039.7	377.1	304.8	72.28	5.217										
6,900.0	5,610.3	6,872.2	5,803.4	75.7	69.2	-152.19	-1,600.3	3,090.8	384.5	311.3	73.19	5.253										
7,000.0	5,687.6	6,971.9	5,884.7	77.0	70.4	-152.32	-1,627.2	3,142.0	391.9	317.7	74.11	5.287										
7,100.0	5,764.9	7,071.7	5,966.0	78.2	71.5	-152.46	-1,654.1	3,193.1	399.3	324.2	75.03	5.321										
7,200.0	5,842.2	7,171.4	6,047.3	79.5	72.7	-152.59	-1,680.9	3,244.2	406.6	330.7	75.95	5.354										
7,300.0	5,919.5	7,271.1	6,128.6	80.8	73.8	-152.71	-1,707.8	3,295.4	414.0	337.2	76.87	5.386										
7,400.0	5,996.8	7,370.8	6,209.9	82.1	75.0	-152.83	-1,734.7	3,346.5	421.4	343.7	77.79	5.418										
7,500.0	6,074.1	7,470.5	6,291.2	83.3	76.1	-152.94	-1,761.6	3,397.6	428.9	350.1	78.71	5.448										
7,600.0	6,151.4	7,570.3	6,372.4	84.6	77.3	-153.05	-1,788.5	3,448.7	436.3	356.6	79.64	5.478										
7,700.0	6,228.7	7,670.0	6,453.7	85.9	78.4	-153.16	-1,815.3	3,499.9	443.7	363.1	80.56	5.507										
7,800.0	6,307.6	7,769.8	6,535.1	87.1	79.6	-153.19	-1,842.3	3,551.1	448.8	367.0	81.76	5.489										
7,900.0	6,389.6	7,869.8	6,616.6	88.1	80.7	-152.85	-1,869.2	3,602.3	449.2	365.5	83.77	5.363										
8,000.0	6,474.5	7,969.6	6,697.9	89.1	81.9	-152.14	-1,896.1	3,653.5	445.1	358.4	86.64	5.137										
8,100.0	6,562.0	8,068.9	6,778.9	90.0	83.0	-151.02	-1,922.9	3,704.4	436.4	345.9	90.47	4.823										
8,200.0	6,651.9	8,162.0	6,854.9	90.8	84.0	-149.55	-1,947.9	3,752.0	423.6	328.5	95.10	4.454										
8,300.0	6,744.1	8,245.2	6,924.4	91.4	84.9	-148.00	-1,969.1	3,792.4	409.4	309.6	99.74	4.104										
8,400.0	6,838.1	8,328.8	6,996.3	92.0	85.7	-146.30	-1,989.1	3,830.3	394.7	290.0	104.69	3.771										
8,500.0	6,933.7	8,413.1	7,070.6	92.5	86.4	-144.41	-2,007.6	3,865.6	379.7	269.7	109.96	3.453										
8,600.0	7,030.8	8,500.0	7,148.8	92.9	87.1	-142.26	-2,025.1	3,898.9	364.3	248.6	115.68	3.149										
8,700.0	7,129.0	8,583.6	7,225.8	93.2	87.7	-139.97	-2,040.4	3,928.0	348.7	227.2	121.53	2.869										
8,800.0	7,228.0	8,670.0	7,306.6	93.4	88.2	-137.35	-2,054.5	3,954.8	333.1	205.3	127.85	2.605										
8,900.0	7,327.6	8,757.0	7,389.4	93.5	88.6	-134.43	-2,067.1	3,978.6	317.6	183.1	134.52	2.361										
9,000.0	7,427.6	8,844.9	7,474.1	93.6	89.0	-131.15	-2,077.9	3,999.2	302.5	161.0	141.48	2.138										
9,100.0	7,527.6	8,934.0	7,561.1	93.6	89.3	112.74	-2,087.0	4,016.6	289.1	141.4	147.69	1.957										
9,200.0	7,627.6	9,024.9	7,650.5	93.6	89.6	115.40	-2,094.3	4,030.5	279.2	126.5	152.70	1.829										
9,300.0	7,727.6	9,117.0	7,741.9	93.6	89.8	117.47	-2,099.8	4,040.8	272.6	116.2	156.39	1.743										
9,400.0	7,827.6	9,210.1	7,834.7	93.7	89.9	118.82	-2,103.1	4,047.2	268.7	110.0	158.70	1.693										
9,500.0	7,927.6	9,303.7	7,928.2	93.7	89.9	119.36	-2,104.4	4,049.7	267.4	107.7	159.62	1.675										
9,514.7	7,942.2	9,317.7	7,942.2	93.7	89.9	119.37	-2,104.4	4,049.7	267.4	107.7	159.64	1.675										
9,600.0	8,027.6	9,403.1	8,027.6	93.7	90.0	119.40	-2,104.4	4,049.7	267.4	107.7	159.74	1.674										
9,700.0	8,127.6	9,503.2	8,127.7	93.8	90.0	119.43	-2,104.5	4,049.6	267.5	107.6	159.86	1.673										
9,800.0	8,227.6	9,603.2	8,227.8	93.8	90.0	119.45	-2,104.5	4,049.5	267.6	107.6	159.96	1.673										
9,900.0	8,327.6	9,703.3	8,327.8	93.8	90.0	119.47	-2,104.6	4,049.4	267.6	107.6	160.07	1.672										
10,000.0	8,427.6	9,803.4	8,427.9	93.8	90.1	119.49	-2,104.7	4,049.2	267.7	107.5	160.16	1.671										
10,100.0	8,527.6	9,903.4	8,528.0	93.9	90.1	119.51	-2,104.9	4,048.9	267.7	107.5	160.26	1.671										

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

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference													Distance		Warning
Measured Depth (ft)	Vertical Depth (ft)	Offset		Semi Major Axis			Offset Wellbore Centre		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
		Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)							
10,200.0	8,627.6	10,003.5	8,628.0	93.9	90.1	119.52	-2,105.0	4,048.7	267.8	107.4	160.34	1.670			
10,300.0	8,727.6	10,103.6	8,728.1	93.9	90.2	119.54	-2,105.2	4,048.3	267.8	107.4	160.43	1.669			
10,400.0	8,827.6	10,203.6	8,828.2	94.0	90.2	119.54	-2,105.4	4,048.0	267.8	107.3	160.50	1.669			
10,500.0	8,927.6	10,303.7	8,928.2	94.0	90.2	119.55	-2,105.7	4,047.6	267.8	107.2	160.58	1.668			
10,600.0	9,027.6	10,403.8	9,028.3	94.0	90.3	119.55	-2,105.9	4,047.1	267.8	107.2	160.64	1.667			
10,700.0	9,127.6	10,503.8	9,128.4	94.1	90.3	119.55	-2,106.2	4,046.6	267.8	107.1	160.71	1.667			
10,800.0	9,227.6	10,603.9	9,228.4	94.1	90.3	119.55	-2,106.5	4,046.1	267.8	107.1	160.77	1.666			
10,900.0	9,327.6	10,704.0	9,328.5	94.1	90.4	119.54	-2,106.9	4,045.5	267.8	107.0	160.82	1.665			
11,000.0	9,427.6	10,804.0	9,428.5	94.1	90.4	119.53	-2,107.2	4,044.9	267.8	106.9	160.87	1.665			
11,100.0	9,527.6	10,904.1	9,528.6	94.2	90.4	119.52	-2,107.6	4,044.2	267.8	106.8	160.91	1.664			
11,200.0	9,627.6	11,004.2	9,628.7	94.2	90.4	119.50	-2,108.1	4,043.5	267.7	106.8	160.95	1.663			
11,300.0	9,727.6	11,104.2	9,728.7	94.2	90.5	119.49	-2,108.5	4,042.7	267.7	106.7	160.99	1.663			
11,400.0	9,827.6	11,204.2	9,828.7	94.3	90.5	119.47	-2,108.9	4,042.0	267.6	106.6	161.03	1.662			
11,500.0	9,927.5	11,304.2	9,928.7	94.3	90.5	119.46	-2,109.4	4,041.2	267.6	106.5	161.07	1.661			
11,600.0	10,027.5	11,404.2	10,028.7	94.3	90.6	119.44	-2,109.8	4,040.5	267.6	106.5	161.11	1.661			
11,700.0	10,127.5	11,504.2	10,128.7	94.4	90.6	119.43	-2,110.2	4,039.7	267.5	106.4	161.16	1.660			
11,800.0	10,227.5	11,604.2	10,228.7	94.4	90.6	119.42	-2,110.7	4,039.0	267.5	106.3	161.20	1.659			
11,900.0	10,327.5	11,704.2	10,328.7	94.4	90.7	119.40	-2,111.1	4,038.2	267.5	106.2	161.24	1.659			
12,000.0	10,427.5	11,804.2	10,428.7	94.5	90.7	119.39	-2,111.6	4,037.5	267.4	106.1	161.29	1.658			
12,100.0	10,527.5	11,904.2	10,528.7	94.5	90.7	119.37	-2,112.0	4,036.7	267.4	106.1	161.34	1.657			
12,200.0	10,627.5	12,004.2	10,628.7	94.5	90.8	119.36	-2,112.4	4,036.0	267.4	106.0	161.38	1.657			
12,300.0	10,727.5	12,104.2	10,728.7	94.6	90.8	119.34	-2,112.9	4,035.2	267.3	105.9	161.43	1.656			
12,400.0	10,827.5	12,204.2	10,828.7	94.6	90.8	119.33	-2,113.3	4,034.5	267.3	105.8	161.48	1.655			
12,500.0	10,927.5	12,304.2	10,928.6	94.6	90.9	119.31	-2,113.8	4,033.7	267.2	105.7	161.53	1.654			
12,600.0	11,027.5	12,404.2	11,028.6	94.7	90.9	119.30	-2,114.2	4,033.0	267.2	105.6	161.58	1.654			
12,700.0	11,127.5	12,504.2	11,128.6	94.7	90.9	119.29	-2,114.6	4,032.3	267.2	105.5	161.63	1.653			
12,800.0	11,227.5	12,604.2	11,228.6	94.7	91.0	119.27	-2,115.1	4,031.5	267.1	105.5	161.68	1.652			
12,900.0	11,327.5	12,704.2	11,328.6	94.8	91.0	119.26	-2,115.5	4,030.8	267.1	105.4	161.73	1.652			
13,000.0	11,427.5	12,804.2	11,428.6	94.8	91.0	119.24	-2,115.9	4,030.0	267.1	105.3	161.78	1.651 SF			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	-163.10	-28.3	-8.6	29.6						
100.0	100.0	100.0	100.0	0.1	0.1	-163.10	-28.3	-8.6	29.6	29.4	0.23	126.566			
200.0	200.0	200.0	200.0	0.3	0.3	-163.10	-28.3	-8.6	29.6	29.0	0.58	50.778			
300.0	300.0	300.0	300.0	0.5	0.5	-163.10	-28.3	-8.6	29.6	28.7	0.93	31.760			
400.0	400.0	400.0	400.0	0.6	0.6	77.82	-28.3	-8.6	29.5	28.2	1.28	22.986			
500.0	499.8	499.8	499.8	0.8	0.8	88.05	-28.3	-8.6	28.8	27.2	1.65	17.509			
503.8	503.7	503.6	503.6	0.8	0.8	88.65	-28.3	-8.6	28.8	27.1	1.66	17.343	CC, ES		
600.0	599.3	597.7	597.7	1.1	1.0	106.28	-30.5	-9.8	32.7	30.7	2.04	16.015	SF		
700.0	698.0	694.5	694.1	1.4	1.2	121.61	-36.9	-13.4	46.2	43.7	2.47	18.705			
800.0	795.8	789.3	788.2	1.7	1.4	129.98	-47.4	-19.3	68.5	65.6	2.94	23.325			
900.0	892.4	881.7	879.2	2.2	1.7	133.96	-61.5	-27.2	98.5	95.0	3.48	28.321			
1,000.0	987.5	970.9	966.2	2.8	2.1	135.71	-78.7	-36.9	135.2	131.1	4.10	32.979			
1,100.0	1,080.9	1,056.6	1,048.8	3.5	2.5	136.30	-98.5	-48.1	178.3	173.5	4.81	37.050			
1,200.0	1,172.2	1,138.4	1,126.6	4.3	2.9	136.24	-120.5	-60.4	227.2	221.6	5.61	40.506			
1,300.0	1,261.3	1,216.0	1,199.3	5.1	3.4	135.76	-144.0	-73.6	281.6	275.1	6.48	43.430			
1,400.0	1,347.9	1,293.0	1,270.6	6.1	3.9	135.10	-169.5	-87.9	340.8	333.4	7.44	45.784			
1,500.0	1,431.8	1,370.8	1,342.4	7.2	4.4	134.65	-195.5	-102.5	403.3	394.9	8.47	47.642			
1,600.0	1,512.6	1,445.9	1,411.8	8.4	4.9	134.29	-220.6	-116.6	468.8	459.3	9.53	49.187			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
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	-164.10	-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	170.905			
200.0	200.0	200.0	200.0	0.3	0.3	-164.10	-38.4	-11.0	40.0	39.4	0.58	68.567			
300.0	300.0	300.0	300.0	0.5	0.5	-164.10	-38.4	-11.0	40.0	39.0	0.93	42.886	CC, ES		
400.0	400.0	398.0	398.0	0.6	0.6	77.79	-40.4	-12.6	42.2	40.9	1.28	32.980			
500.0	499.8	495.3	495.0	0.8	0.8	86.78	-46.1	-17.4	48.8	47.2	1.64	29.781	SF		
600.0	599.3	591.0	589.9	1.1	1.1	98.34	-55.3	-25.2	62.1	60.0	2.04	30.490			
700.0	698.0	684.2	681.6	1.4	1.4	108.18	-67.9	-35.8	83.5	81.0	2.49	33.574			
800.0	795.8	774.3	769.5	1.7	1.8	115.14	-83.2	-48.8	113.1	110.1	3.00	37.648			
900.0	892.4	860.7	852.6	2.2	2.2	119.71	-100.8	-63.7	150.4	146.9	3.60	41.827			
1,000.0	987.5	942.8	930.7	2.8	2.7	122.60	-120.3	-80.1	194.8	190.6	4.26	45.745			
1,100.0	1,080.9	1,026.5	1,009.2	3.5	3.2	124.43	-142.9	-98.1	244.9	239.9	5.02	48.741			
1,200.0	1,172.2	1,111.3	1,088.0	4.3	3.8	125.26	-169.2	-115.2	298.0	292.1	5.90	50.474			
1,300.0	1,261.3	1,194.9	1,164.9	5.1	4.4	125.39	-198.3	-130.5	353.6	346.7	6.89	51.315			
1,400.0	1,347.9	1,275.6	1,238.7	6.1	4.9	125.36	-227.8	-144.8	411.9	403.9	7.94	51.851			
1,500.0	1,431.8	1,354.0	1,310.3	7.2	5.5	125.40	-256.5	-158.7	472.8	463.7	9.05	52.240			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference													Warning		
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	-164.11	-57.7	-16.4	60.0						
100.0	100.0	100.0	100.0	0.1	0.1	-164.11	-57.7	-16.4	60.0	59.7	0.23	256.466			
200.0	200.0	200.0	200.0	0.3	0.3	-164.11	-57.7	-16.4	60.0	59.4	0.58	102.894			
300.0	300.0	300.0	300.0	0.5	0.5	-164.11	-57.7	-16.4	60.0	59.0	0.93	64.357			
400.0	400.0	400.0	400.0	0.6	0.6	76.19	-57.7	-16.4	59.8	58.5	1.28	46.683			
473.8	473.7	473.0	473.0	0.8	0.8	79.33	-57.8	-16.5	59.3	57.7	1.55	38.281	CC, ES		
500.0	499.8	498.3	498.3	0.8	0.8	81.08	-58.2	-16.7	59.4	57.8	1.64	36.180			
600.0	599.3	594.6	594.5	1.1	1.0	90.10	-62.7	-18.6	63.7	61.7	2.04	31.169			
700.0	698.0	689.8	689.1	1.4	1.2	100.36	-71.5	-22.4	75.1	72.6	2.51	29.940	SF		
800.0	795.8	783.1	781.4	1.7	1.5	109.06	-84.3	-27.9	94.5	91.5	3.04	31.039			
900.0	892.4	874.0	870.6	2.2	1.8	115.30	-100.7	-35.0	121.6	118.0	3.66	33.228			
1,000.0	987.5	962.2	956.1	2.8	2.2	119.40	-120.3	-43.5	155.9	151.5	4.37	35.697			
1,100.0	1,080.9	1,047.1	1,037.4	3.5	2.6	121.96	-142.6	-53.2	196.5	191.3	5.16	38.055			
1,200.0	1,172.2	1,128.5	1,114.3	4.3	3.1	123.44	-167.1	-63.8	243.0	237.0	6.05	40.197			
1,300.0	1,261.3	1,206.6	1,186.9	5.1	3.6	124.15	-193.5	-75.0	294.9	287.8	7.02	41.974			
1,400.0	1,347.9	1,280.9	1,254.9	6.1	4.1	124.29	-221.1	-86.7	351.5	343.4	8.10	43.410			
1,500.0	1,431.8	1,351.3	1,318.2	7.2	4.7	123.99	-249.6	-98.5	412.6	403.3	9.26	44.564			
1,600.0	1,512.6	1,419.0	1,377.9	8.4	5.2	123.34	-279.0	-110.7	477.7	467.2	10.50	45.513			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference															
Offset				Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-164.30	-66.8	-18.8	69.4						
100.0	100.0	100.0	100.0	0.1	0.1	-164.30	-66.8	-18.8	69.4	69.1	0.23	296.573			
133.3	133.3	133.3	133.3	0.2	0.2	-164.30	-66.8	-18.8	69.4	69.0	0.35	198.015 CC, ES			
200.0	200.0	198.3	198.3	0.3	0.3	-164.17	-67.3	-19.1	70.0	69.4	0.58	120.561			
300.0	300.0	294.6	294.5	0.5	0.5	-163.26	-71.5	-21.5	74.9	73.9	0.94	79.985			
400.0	400.0	390.2	389.6	0.6	0.7	78.18	-79.8	-26.3	84.6	83.3	1.27	66.637			
500.0	499.8	484.5	482.8	0.8	1.0	82.27	-92.1	-33.4	98.5	96.9	1.62	60.683			
600.0	599.3	576.8	573.2	1.1	1.4	87.59	-107.9	-42.5	117.5	115.5	2.01	58.357			
700.0	698.0	666.5	660.2	1.4	1.8	92.92	-126.9	-53.5	142.4	139.9	2.47	57.600			
800.0	795.8	753.1	743.1	1.7	2.3	97.57	-148.6	-66.0	173.5	170.4	3.02	57.404			
900.0	892.4	836.2	821.5	2.2	2.8	101.32	-172.4	-79.8	210.8	207.1	3.67	57.381			
1,000.0	987.5	915.5	895.2	2.8	3.4	104.16	-197.9	-94.5	254.1	249.7	4.42	57.446			
1,100.0	1,080.9	991.4	964.5	3.5	3.9	106.24	-224.7	-110.0	303.1	297.9	5.27	57.538			
1,200.0	1,172.2	1,071.2	1,036.2	4.3	4.6	107.76	-255.7	-126.1	356.1	349.9	6.25	56.971			
1,300.0	1,261.3	1,149.7	1,105.7	5.1	5.3	108.57	-289.0	-140.7	412.0	404.7	7.34	56.114			
1,400.0	1,347.9	1,227.7	1,173.8	6.1	5.9	108.92	-324.6	-154.1	470.3	461.8	8.53	55.147 SF			

# Cathedral Energy Services

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft		
Survey Program: 176-MWD													H04 596 Pad - WF10D O03 - Existing - Existing		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)						
6,800.0	5,533.0	30,092.0	5,515.9	74.4	91.5	-23.17	-1,952.0	3,617.9	439.4	327.2	112.22	3.915				
6,900.0	5,610.3	30,488.3	5,569.6	75.7	95.7	-23.99	-1,961.6	3,619.7	384.8	267.9	116.95	3.291				
7,000.0	5,687.6	31,121.5	5,694.3	77.0	93.2	-35.97	-1,937.9	3,623.4	326.6	198.8	127.76	2.556				
7,100.0	5,764.9	31,121.5	5,694.3	78.2	93.2	-35.97	-1,937.9	3,623.4	280.7	152.2	128.52	2.184				
7,200.0	5,842.2	31,842.2	5,846.2	79.5	99.4	-55.99	-1,923.2	3,625.7	229.8	83.2	146.57	1.568				
7,300.0	5,919.5	32,011.5	5,891.2	80.8	98.7	-63.55	-1,921.1	3,626.1	196.0	47.0	148.95	1.316	Level 3			
7,332.7	5,944.8	32,067.3	5,902.1	81.2	98.5	-66.07	-1,918.0	3,626.1	191.7	42.3	149.45	1.283	Level 3, CC, ES, SF			
7,400.0	5,996.8	32,408.8	5,943.4	82.1	97.1	-77.77	-1,894.6	3,626.2	202.0	53.1	148.88	1.357	Level 3			
7,500.0	6,074.1	32,893.6	6,037.2	83.3	102.1	-96.14	-1,878.6	3,627.6	219.8	74.7	145.12	1.515				
7,600.0	6,151.4	33,079.1	6,091.0	84.6	101.4	-104.58	-1,881.7	3,629.6	245.4	103.7	141.75	1.731				
7,700.0	6,228.7	33,381.0	6,129.7	85.9	100.2	-110.82	-1,862.1	3,630.5	309.8	170.1	139.73	2.217				
7,800.0	6,307.6	33,869.8	6,223.0	87.1	105.3	-123.07	-1,844.9	3,634.7	361.9	227.3	134.59	2.689				
7,900.0	6,389.6	34,095.8	6,273.3	88.1	105.2	-128.86	-1,839.4	3,636.9	416.1	283.1	132.97	3.129				
8,000.0	6,474.5	35,789.7	6,460.2	89.1	111.6	-138.67	-1,806.1	3,644.8	470.3	337.5	132.79	3.542				

# Cathedral Energy Services

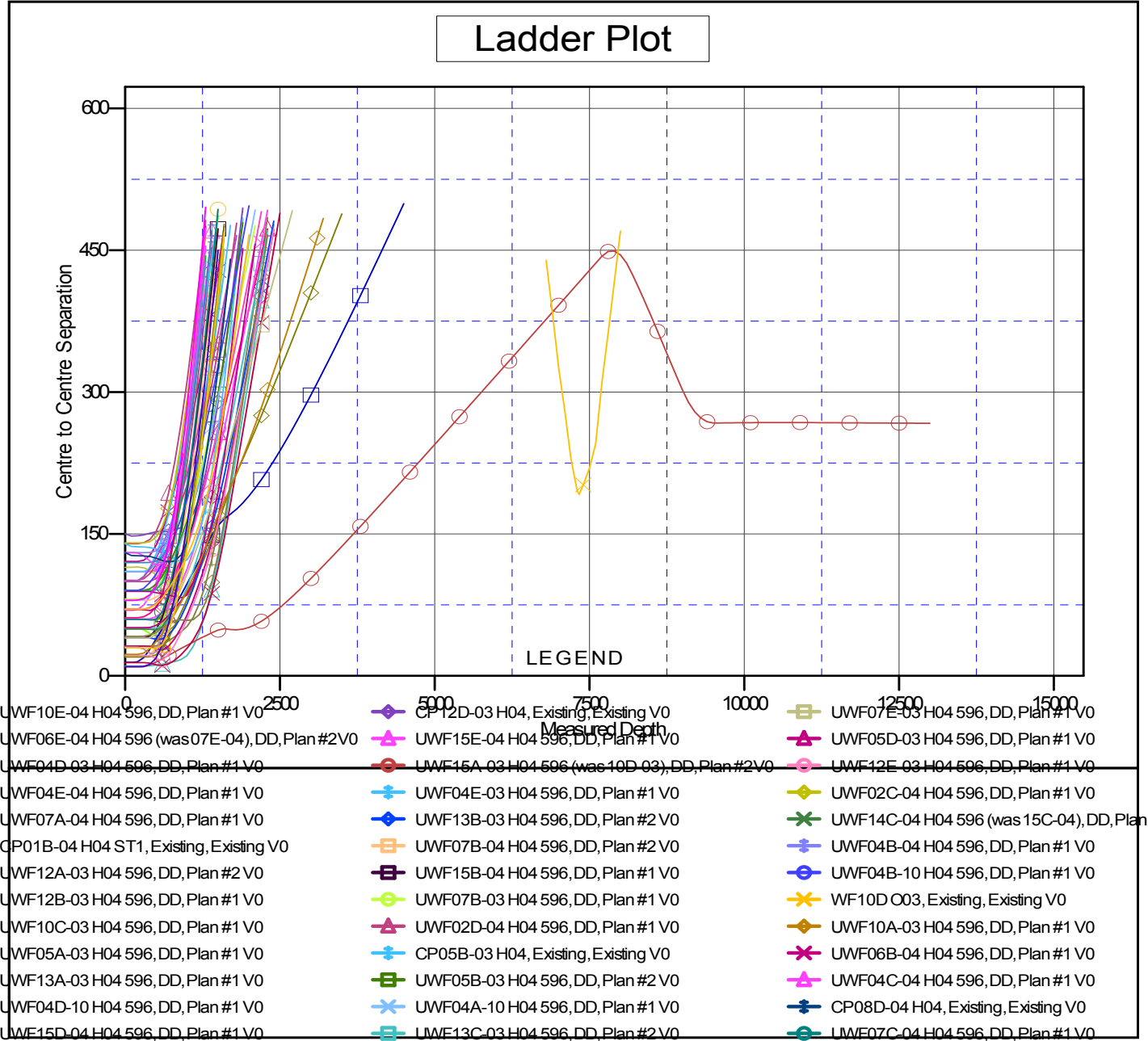
## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well UWF15B-03 H04 596 (was 10E-03)
<b>Project:</b>	North Piceance	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Reference Site:</b>	H04 596 Pad	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	UWF15B-03 H04 596 (was 10E-03)	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 8293.0ft (Original Well Elev)      Coordinates are relative to: UWF15B-03 H04 596 (was 10E-03)

Offset Depths are relative to Offset Datum      Coordinate System is US State Plane 1983, Colorado Central Zone

Central Meridian is 105° 30' 0.00 W °      Grid Convergence at Surface is: -1.68°



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