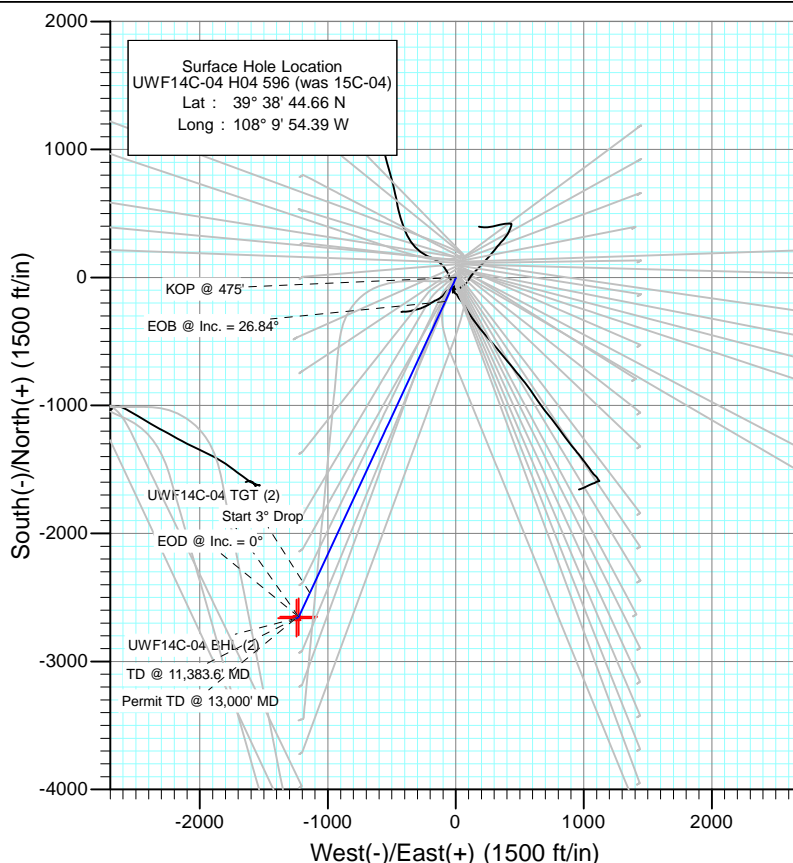


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	475.0	0.00	0.00	475.0	0.0	0.0	0.00	0.00	0.0	
3	575.0	3.00	195.00	575.0	-2.5	-0.7	3.00	195.00	2.6	
4	1371.3	26.84	204.93	1338.9	-188.4	-83.0	3.00	11.08	205.8	
5	6931.0	26.84	204.93	6299.8	-2464.5	-1140.9	0.00	0.00	2715.8	
6	7825.6	0.00	0.00	7162.0	-2651.1	-1227.6	3.00	180.00	2921.5	UWF14C-04 TGT (2)
7	9834.8	0.44	239.71	9171.2	-2655.0	-1234.3	0.02	239.71	2927.9	
8	11383.6	0.44	239.71	10720.0	-2661.1	-1244.6	0.00	0.00	2937.7	UWF14C-04 BHL (2)
9	13000.0	0.44	239.71	12336.3	-2667.4	-1255.4	0.00	0.00	2948.0	



Azimuths to True North
 Magnetic North: 10.34°

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

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1050.0	1059.0	A GROOVE
1212.0	1231.5	B GROOVE
1252.0	1275.1	B GROOVE BASE
2039.0	2155.9	GARDEN GULCH
3089.0	3332.6	WASATCH FM
5148.0	5640.2	WASATCH G
7162.0	7825.6	WILLIAMS FORK
10720.0	11383.6	ROLLINS
10988.0	11651.6	COZZETTE
11155.0	11818.7	CORCORAN
11445.0	12108.7	UPPER SEGO

Plan #2
 UWF14C-04 H04 596 (was 15C-04)
 WELL @ 8293.0ft (Original Well Elev)
 North American Datum 1983
 Well UWF14C-04 H04 596 (was 15C-04), True North

Type TD	Target	No Target (Freehand)	Azimuth	Origin Type	N/S	E/W	From TVD
Name	TVD	+N/-S	+E/-W	Latitude	Longitude		
UWF14C-04 TGT (2)	7162.0	-2651.1	-1227.6	39° 38' 18.46 N	108° 10' 10.08 W		
UWF14C-04 BHL (2)	10720.0	-2661.1	-1244.6	39° 38' 18.36 N	108° 10' 10.30 W		

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

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

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

Well	UWF14C-04 H04 596 (was 15C-04)					
Well Position	+N/-S	0.0 ft	Northing:	1,671,099.91 ft	Latitude:	39° 38' 44.66 N
	+E/-W	0.0 ft	Easting:	2,249,617.39 ft	Longitude:	108° 9' 54.39 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	8,260.0 ft

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

Design	Plan #2				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	205.20	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
475.0	0.00	0.00	475.0	0.0	0.0	0.00	0.00	0.00	0.00	
575.0	3.00	195.00	575.0	-2.5	-0.7	3.00	3.00	0.00	195.00	
1,371.3	26.84	204.93	1,338.9	-188.4	-83.0	3.00	2.99	1.25	11.08	
6,931.0	26.84	204.93	6,299.8	-2,464.5	-1,140.9	0.00	0.00	0.00	0.00	
7,825.6	0.00	0.00	7,162.0	-2,651.1	-1,227.6	3.00	-3.00	0.00	180.00	UWF14C-04 TGT (2)
9,834.8	0.44	239.71	9,171.2	-2,655.0	-1,234.3	0.02	0.02	-5.99	239.71	
11,383.6	0.44	239.71	10,720.0	-2,661.1	-1,244.6	0.00	0.00	0.00	0.00	UWF14C-04 BHL (2)
13,000.0	0.44	239.71	12,336.3	-2,667.4	-1,255.4	0.00	0.00	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
475.0	0.00	0.00	475.0	0.0	0.0	0.0	0.00	0.00	KOP @ 475'
500.0	0.75	195.00	500.0	-0.2	0.0	0.2	3.00	3.00	
575.0	3.00	195.00	575.0	-2.5	-0.7	2.6	3.00	3.00	
600.0	3.74	197.21	599.9	-3.9	-1.1	4.0	3.00	2.96	
700.0	6.72	201.17	699.5	-12.5	-4.2	13.1	3.00	2.98	
800.0	9.71	202.70	798.4	-25.7	-9.5	27.4	3.00	2.99	
900.0	12.71	203.51	896.5	-43.6	-17.2	46.8	3.00	3.00	
1,000.0	15.70	204.02	993.5	-66.1	-27.1	71.3	3.00	3.00	
1,059.0	17.47	204.23	1,050.0	-81.4	-34.0	88.2	3.00	3.00	A GROOVE
1,100.0	18.70	204.36	1,089.0	-93.0	-39.2	100.9	3.00	3.00	
1,200.0	21.70	204.62	1,182.8	-124.5	-53.5	135.4	3.00	3.00	
1,231.5	22.65	204.68	1,212.0	-135.3	-58.5	147.3	3.00	3.00	B GROOVE
1,275.1	23.95	204.77	1,252.0	-150.9	-65.7	164.5	3.00	3.00	B GROOVE BASE
1,300.0	24.70	204.81	1,274.7	-160.2	-70.0	174.8	3.00	3.00	
1,371.3	26.84	204.93	1,338.9	-188.4	-83.0	205.8	3.00	3.00	EOB @ Inc. = 26.84°
1,400.0	26.84	204.93	1,364.5	-200.1	-88.5	218.7	0.00	0.00	
1,500.0	26.84	204.93	1,453.8	-241.1	-107.5	263.9	0.00	0.00	
1,600.0	26.84	204.93	1,543.0	-282.0	-126.5	309.0	0.00	0.00	
1,700.0	26.84	204.93	1,632.2	-322.9	-145.6	354.2	0.00	0.00	
1,800.0	26.84	204.93	1,721.4	-363.9	-164.6	399.3	0.00	0.00	
1,900.0	26.84	204.93	1,810.7	-404.8	-183.6	444.5	0.00	0.00	
2,000.0	26.84	204.93	1,899.9	-445.8	-202.7	489.6	0.00	0.00	
2,100.0	26.84	204.93	1,989.1	-486.7	-221.7	534.8	0.00	0.00	
2,155.9	26.84	204.93	2,039.0	-509.6	-232.3	560.0	0.00	0.00	GARDEN GULCH
2,200.0	26.84	204.93	2,078.4	-527.6	-240.7	579.9	0.00	0.00	
2,300.0	26.84	204.93	2,167.6	-568.6	-259.7	625.1	0.00	0.00	
2,400.0	26.84	204.93	2,256.8	-609.5	-278.8	670.2	0.00	0.00	
2,500.0	26.84	204.93	2,346.0	-650.5	-297.8	715.4	0.00	0.00	
2,600.0	26.84	204.93	2,435.3	-691.4	-316.8	760.5	0.00	0.00	
2,700.0	26.84	204.93	2,524.5	-732.3	-335.8	805.6	0.00	0.00	
2,800.0	26.84	204.93	2,613.7	-773.3	-354.9	850.8	0.00	0.00	
2,900.0	26.84	204.93	2,703.0	-814.2	-373.9	895.9	0.00	0.00	
3,000.0	26.84	204.93	2,792.2	-855.2	-392.9	941.1	0.00	0.00	
3,100.0	26.84	204.93	2,881.4	-896.1	-412.0	986.2	0.00	0.00	
3,200.0	26.84	204.93	2,970.6	-937.1	-431.0	1,031.4	0.00	0.00	
3,300.0	26.84	204.93	3,059.9	-978.0	-450.0	1,076.5	0.00	0.00	
3,332.6	26.84	204.93	3,089.0	-991.4	-456.2	1,091.3	0.00	0.00	WASATCH FM
3,400.0	26.84	204.93	3,149.1	-1,018.9	-469.0	1,121.7	0.00	0.00	
3,500.0	26.84	204.93	3,238.3	-1,059.9	-488.1	1,166.8	0.00	0.00	
3,600.0	26.84	204.93	3,327.6	-1,100.8	-507.1	1,212.0	0.00	0.00	
3,700.0	26.84	204.93	3,416.8	-1,141.8	-526.1	1,257.1	0.00	0.00	
3,800.0	26.84	204.93	3,506.0	-1,182.7	-545.2	1,302.2	0.00	0.00	
3,900.0	26.84	204.93	3,595.3	-1,223.6	-564.2	1,347.4	0.00	0.00	
4,000.0	26.84	204.93	3,684.5	-1,264.6	-583.2	1,392.5	0.00	0.00	
4,100.0	26.84	204.93	3,773.7	-1,305.5	-602.2	1,437.7	0.00	0.00	
4,200.0	26.84	204.93	3,862.9	-1,346.5	-621.3	1,482.8	0.00	0.00	
4,300.0	26.84	204.93	3,952.2	-1,387.4	-640.3	1,528.0	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,400.0	26.84	204.93	4,041.4	-1,428.3	-659.3	1,573.1	0.00	0.00	
4,500.0	26.84	204.93	4,130.6	-1,469.3	-678.3	1,618.3	0.00	0.00	
4,600.0	26.84	204.93	4,219.9	-1,510.2	-697.4	1,663.4	0.00	0.00	
4,700.0	26.84	204.93	4,309.1	-1,551.2	-716.4	1,708.6	0.00	0.00	
4,800.0	26.84	204.93	4,398.3	-1,592.1	-735.4	1,753.7	0.00	0.00	
4,900.0	26.84	204.93	4,487.5	-1,633.0	-754.5	1,798.9	0.00	0.00	
5,000.0	26.84	204.93	4,576.8	-1,674.0	-773.5	1,844.0	0.00	0.00	
5,100.0	26.84	204.93	4,666.0	-1,714.9	-792.5	1,889.1	0.00	0.00	
5,200.0	26.84	204.93	4,755.2	-1,755.9	-811.5	1,934.3	0.00	0.00	
5,300.0	26.84	204.93	4,844.5	-1,796.8	-830.6	1,979.4	0.00	0.00	
5,400.0	26.84	204.93	4,933.7	-1,837.7	-849.6	2,024.6	0.00	0.00	
5,500.0	26.84	204.93	5,022.9	-1,878.7	-868.6	2,069.7	0.00	0.00	
5,600.0	26.84	204.93	5,112.1	-1,919.6	-887.6	2,114.9	0.00	0.00	
5,640.2	26.84	204.93	5,148.0	-1,936.1	-895.3	2,133.0	0.00	0.00	WASATCH G
5,700.0	26.84	204.93	5,201.4	-1,960.6	-906.7	2,160.0	0.00	0.00	
5,800.0	26.84	204.93	5,290.6	-2,001.5	-925.7	2,205.2	0.00	0.00	
5,900.0	26.84	204.93	5,379.8	-2,042.5	-944.7	2,250.3	0.00	0.00	
6,000.0	26.84	204.93	5,469.1	-2,083.4	-963.8	2,295.5	0.00	0.00	
6,100.0	26.84	204.93	5,558.3	-2,124.3	-982.8	2,340.6	0.00	0.00	
6,200.0	26.84	204.93	5,647.5	-2,165.3	-1,001.8	2,385.7	0.00	0.00	
6,300.0	26.84	204.93	5,736.7	-2,206.2	-1,020.8	2,430.9	0.00	0.00	
6,400.0	26.84	204.93	5,826.0	-2,247.2	-1,039.9	2,476.0	0.00	0.00	
6,500.0	26.84	204.93	5,915.2	-2,288.1	-1,058.9	2,521.2	0.00	0.00	
6,600.0	26.84	204.93	6,004.4	-2,329.0	-1,077.9	2,566.3	0.00	0.00	
6,700.0	26.84	204.93	6,093.7	-2,370.0	-1,096.9	2,611.5	0.00	0.00	
6,800.0	26.84	204.93	6,182.9	-2,410.9	-1,116.0	2,656.6	0.00	0.00	
6,900.0	26.84	204.93	6,272.1	-2,451.9	-1,135.0	2,701.8	0.00	0.00	
6,931.0	26.84	204.93	6,299.8	-2,464.6	-1,140.9	2,715.8	0.00	0.00	Start 3° Drop
7,000.0	24.77	204.93	6,361.9	-2,491.8	-1,153.6	2,745.8	3.00	-3.00	
7,100.0	21.77	204.93	6,453.8	-2,527.6	-1,170.2	2,785.3	3.00	-3.00	
7,200.0	18.77	204.93	6,547.6	-2,559.0	-1,184.8	2,819.9	3.00	-3.00	
7,300.0	15.77	204.93	6,643.0	-2,585.9	-1,197.3	2,849.6	3.00	-3.00	
7,400.0	12.77	204.93	6,739.9	-2,608.3	-1,207.7	2,874.2	3.00	-3.00	
7,500.0	9.77	204.93	6,838.0	-2,626.0	-1,215.9	2,893.8	3.00	-3.00	
7,600.0	6.77	204.93	6,937.0	-2,639.0	-1,222.0	2,908.2	3.00	-3.00	
7,700.0	3.77	204.93	7,036.5	-2,647.4	-1,225.9	2,917.3	3.00	-3.00	
7,800.0	0.77	204.93	7,136.4	-2,650.9	-1,227.5	2,921.3	3.00	-3.00	
7,825.6	0.00	0.00	7,162.0	-2,651.1	-1,227.6	2,921.5	3.00	-3.00	EOB @ Inc. = 0° - WILLIAMS FORK
7,900.0	0.02	239.71	7,236.4	-2,651.1	-1,227.6	2,921.5	0.02	0.02	
8,000.0	0.04	239.71	7,336.4	-2,651.1	-1,227.7	2,921.5	0.02	0.02	
8,100.0	0.06	239.71	7,436.4	-2,651.2	-1,227.7	2,921.6	0.02	0.02	
8,200.0	0.08	239.71	7,536.4	-2,651.2	-1,227.8	2,921.7	0.02	0.02	
8,300.0	0.10	239.71	7,636.4	-2,651.3	-1,228.0	2,921.8	0.02	0.02	
8,400.0	0.13	239.71	7,736.4	-2,651.4	-1,228.1	2,922.0	0.02	0.02	
8,500.0	0.15	239.71	7,836.4	-2,651.5	-1,228.4	2,922.2	0.02	0.02	
8,600.0	0.17	239.71	7,936.4	-2,651.7	-1,228.6	2,922.4	0.02	0.02	
8,700.0	0.19	239.71	8,036.4	-2,651.8	-1,228.9	2,922.7	0.02	0.02	
8,800.0	0.21	239.71	8,136.4	-2,652.0	-1,229.2	2,923.0	0.02	0.02	
8,900.0	0.24	239.71	8,236.4	-2,652.2	-1,229.5	2,923.3	0.02	0.02	
9,000.0	0.26	239.71	8,336.4	-2,652.4	-1,229.9	2,923.7	0.02	0.02	
9,100.0	0.28	239.71	8,436.4	-2,652.7	-1,230.3	2,924.0	0.02	0.02	
9,200.0	0.30	239.71	8,536.4	-2,652.9	-1,230.7	2,924.5	0.02	0.02	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
9,300.0	0.33	239.71	8,636.4	-2,653.2	-1,231.2	2,924.9	0.02	0.02	
9,400.0	0.35	239.71	8,736.4	-2,653.5	-1,231.7	2,925.4	0.02	0.02	
9,500.0	0.37	239.71	8,836.4	-2,653.8	-1,232.3	2,925.9	0.02	0.02	
9,600.0	0.39	239.71	8,936.4	-2,654.2	-1,232.8	2,926.5	0.02	0.02	
9,700.0	0.41	239.71	9,036.4	-2,654.5	-1,233.4	2,927.0	0.02	0.02	
9,800.0	0.44	239.71	9,136.4	-2,654.9	-1,234.1	2,927.6	0.02	0.02	
9,834.8	0.44	239.71	9,171.2	-2,655.0	-1,234.3	2,927.9	0.02	0.02	
9,900.0	0.44	239.71	9,236.4	-2,655.3	-1,234.7	2,928.3	0.00	0.00	
10,000.0	0.44	239.71	9,336.4	-2,655.7	-1,235.4	2,928.9	0.00	0.00	
10,100.0	0.44	239.71	9,436.4	-2,656.0	-1,236.1	2,929.6	0.00	0.00	
10,200.0	0.44	239.71	9,536.4	-2,656.4	-1,236.7	2,930.2	0.00	0.00	
10,300.0	0.44	239.71	9,636.4	-2,656.8	-1,237.4	2,930.8	0.00	0.00	
10,400.0	0.44	239.71	9,736.4	-2,657.2	-1,238.1	2,931.5	0.00	0.00	
10,500.0	0.44	239.71	9,836.4	-2,657.6	-1,238.7	2,932.1	0.00	0.00	
10,600.0	0.44	239.71	9,936.4	-2,658.0	-1,239.4	2,932.7	0.00	0.00	
10,700.0	0.44	239.71	10,036.4	-2,658.4	-1,240.1	2,933.4	0.00	0.00	
10,800.0	0.44	239.71	10,136.4	-2,658.8	-1,240.8	2,934.0	0.00	0.00	
10,900.0	0.44	239.71	10,236.4	-2,659.2	-1,241.4	2,934.7	0.00	0.00	
11,000.0	0.44	239.71	10,336.4	-2,659.6	-1,242.1	2,935.3	0.00	0.00	
11,100.0	0.44	239.71	10,436.4	-2,659.9	-1,242.8	2,935.9	0.00	0.00	
11,200.0	0.44	239.71	10,536.4	-2,660.3	-1,243.4	2,936.6	0.00	0.00	
11,300.0	0.44	239.71	10,636.4	-2,660.7	-1,244.1	2,937.2	0.00	0.00	
11,383.6	0.44	239.71	10,720.0	-2,661.1	-1,244.6	2,937.7	0.00	0.00	TD @ 11,383.6' MD - ROLLINS
11,400.0	0.44	239.71	10,736.4	-2,661.1	-1,244.8	2,937.8	0.00	0.00	
11,500.0	0.44	239.71	10,836.4	-2,661.5	-1,245.4	2,938.5	0.00	0.00	
11,600.0	0.44	239.71	10,936.4	-2,661.9	-1,246.1	2,939.1	0.00	0.00	
11,651.6	0.44	239.71	10,988.0	-2,662.1	-1,246.4	2,939.4	0.00	0.00	COZZETTE
11,700.0	0.44	239.71	11,036.4	-2,662.3	-1,246.8	2,939.8	0.00	0.00	
11,800.0	0.44	239.71	11,136.3	-2,662.7	-1,247.4	2,940.4	0.00	0.00	
11,818.7	0.44	239.71	11,155.0	-2,662.7	-1,247.6	2,940.5	0.00	0.00	CORCORAN
11,900.0	0.44	239.71	11,236.3	-2,663.1	-1,248.1	2,941.0	0.00	0.00	
12,000.0	0.44	239.71	11,336.3	-2,663.5	-1,248.8	2,941.7	0.00	0.00	
12,100.0	0.44	239.71	11,436.3	-2,663.8	-1,249.4	2,942.3	0.00	0.00	
12,108.7	0.44	239.71	11,445.0	-2,663.9	-1,249.5	2,942.4	0.00	0.00	UPPER SEGO
12,200.0	0.44	239.71	11,536.3	-2,664.2	-1,250.1	2,942.9	0.00	0.00	
12,300.0	0.44	239.71	11,636.3	-2,664.6	-1,250.8	2,943.6	0.00	0.00	
12,400.0	0.44	239.71	11,736.3	-2,665.0	-1,251.4	2,944.2	0.00	0.00	
12,500.0	0.44	239.71	11,836.3	-2,665.4	-1,252.1	2,944.9	0.00	0.00	
12,600.0	0.44	239.71	11,936.3	-2,665.8	-1,252.8	2,945.5	0.00	0.00	
12,700.0	0.44	239.71	12,036.3	-2,666.2	-1,253.4	2,946.1	0.00	0.00	
12,800.0	0.44	239.71	12,136.3	-2,666.6	-1,254.1	2,946.8	0.00	0.00	
12,900.0	0.44	239.71	12,236.3	-2,667.0	-1,254.8	2,947.4	0.00	0.00	
13,000.0	0.44	239.71	12,336.3	-2,667.4	-1,255.4	2,948.0	0.00	0.00	Permit TD @ 13,000' MD

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site:	H04 596 Pad	North Reference:	True
Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
UWF14C-04 BHL (2)	0.00	0.00	10,720.0	-2,661.1	-1,244.6	1,668,476.51	2,248,295.22	39° 38' 18.36 N	108° 10' 10.30 W
- plan hits target center									
- Rectangle (sides W30.0 H50.0 D0.0)									
UWF15C-04 BHL	0.00	0.00	10,720.0	-2,662.1	-1,214.9	1,668,474.63	2,248,324.91	39° 38' 18.35 N	108° 10' 9.92 W
- plan misses target center by 29.7ft at 11383.4ft MD (10719.8 TVD, -2661.1 N, -1244.6 E)									
- Rectangle (sides W30.0 H50.0 D0.0)									
UWF15C-04 TGT	0.00	0.00	7,162.0	-2,652.1	-1,199.9	1,668,484.15	2,248,340.21	39° 38' 18.45 N	108° 10' 9.73 W
- plan misses target center by 27.7ft at 7825.5ft MD (7161.9 TVD, -2651.1 N, -1227.6 E)									
- Point									
UWF14C-04 TGT (2)	0.00	0.00	7,162.0	-2,651.1	-1,227.6	1,668,485.96	2,248,312.56	39° 38' 18.46 N	108° 10' 10.08 W
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,059.0	1,050.0	A GROOVE				
1,231.5	1,212.0	B GROOVE				
1,275.1	1,252.0	B GROOVE BASE				
2,155.9	2,039.0	GARDEN GULCH				
3,332.6	3,089.0	WASATCH FM				
5,640.2	5,148.0	WASATCH G				
7,825.6	7,162.0	WILLIAMS FORK				
11,383.6	10,720.0	ROLLINS				
11,651.6	10,988.0	COZZETTE				
11,818.7	11,155.0	CORCORAN				
12,108.7	11,445.0	UPPER SEGO				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	Comment	
475.0	475.0	0.0	0.0	KOP @ 475'	
1,371.3	1,338.9	-188.4	-83.0	EOB @ Inc. = 26.84°	
6,931.0	6,299.8	-2,464.6	-1,140.9	Start 3° Drop	
7,825.6	7,162.0	-2,651.1	-1,227.6	EOB @ Inc. = 0°	
11,383.6	10,720.0	-2,661.1	-1,244.6	TD @ 11,383.6' MD	
13,000.0	12,336.3	-2,667.4	-1,255.4	Permit TD @ 13,000' MD	

EnCana Oil & Gas (USA) Inc

North Piceance

H04 596 Pad

UWF14C-04 H04 596 (was 15C-04)

DD

Plan #2

Anticollision Report

18 October, 2012

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

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

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
			Between Centres (ft)	Between Ellipses (ft)		
H04 596 Pad						
CP01B-04 H04 ST1 - Existing - Existing	856.8	884.2	18.3	15.0	5.605	CC, ES, SF
CP05B-03 H04 - Existing - Existing	992.1	994.8	48.2	44.3	12.296	CC, ES
CP05B-03 H04 - Existing - Existing	1,000.0	1,002.4	48.3	44.3	12.161	SF
CP08D-04 H04 - Existing - Existing	1,010.7	1,013.5	12.8	8.7	3.171	CC, ES, SF
CP12D-03 H04 - Existing - Existing	1,120.1	1,114.6	52.9	48.1	11.083	CC, ES
CP12D-03 H04 - Existing - Existing	1,200.0	1,189.6	59.8	54.4	11.080	SF
UWF02A-09 H04 596 - DD - Plan #1	135.4	135.4	30.6	30.2	85.533	CC
UWF02A-09 H04 596 - DD - Plan #1	200.0	199.8	30.8	30.2	52.731	ES
UWF02A-09 H04 596 - DD - Plan #1	4,300.0	4,492.0	382.5	337.6	8.526	SF
UWF02B-09 H04 596 - DD - Plan #1	809.0	806.6	15.3	12.5	5.411	CC, ES, SF
UWF02C-04 H04 596 - DD - Plan #1	300.0	300.0	189.9	189.0	203.773	CC, ES
UWF02C-04 H04 596 - DD - Plan #1	1,000.0	944.0	326.0	322.2	85.147	SF
UWF02D-04 H04 596 - DD - Plan #1	200.0	200.0	189.1	188.5	324.385	CC, ES
UWF02D-04 H04 596 - DD - Plan #1	1,100.0	1,043.9	372.5	368.0	81.515	SF
UWF02E-04 H04 596 - DD - Plan #1	500.0	500.8	169.0	167.4	103.280	CC, ES
UWF02E-04 H04 596 - DD - Plan #1	1,000.0	974.5	259.8	255.9	67.181	SF
UWF04A-10 H04 596 - DD - Plan #1	233.4	233.4	31.4	30.7	44.842	CC, ES
UWF04A-10 H04 596 - DD - Plan #1	2,000.0	1,864.6	478.2	460.9	27.622	SF
UWF04B-04 H04 596 - DD - Plan #1	400.0	400.0	179.6	178.3	140.173	CC
UWF04B-04 H04 596 - DD - Plan #1	402.5	402.4	179.6	178.3	139.242	ES
UWF04B-04 H04 596 - DD - Plan #1	1,400.0	1,292.5	475.4	468.5	69.154	SF
UWF04B-10 H04 596 - DD - Plan #1	200.0	200.0	41.5	40.9	71.201	CC, ES
UWF04B-10 H04 596 - DD - Plan #1	2,000.0	1,846.2	499.5	482.5	29.491	SF
UWF04C-04 H04 596 - DD - Plan #1	629.9	647.1	157.8	155.1	58.055	CC, ES
UWF04C-04 H04 596 - DD - Plan #1	1,000.0	978.1	225.3	219.7	40.667	SF
UWF04C-10 H04 596 - DD - Plan #1	133.4	133.4	50.8	50.4	144.932	CC, ES
UWF04C-10 H04 596 - DD - Plan #1	1,900.0	1,735.0	484.4	469.5	32.499	SF
UWF04D-03 H04 596 - DD - Plan #1	200.0	200.0	170.2	169.6	291.970	CC, ES
UWF04D-03 H04 596 - DD - Plan #1	700.0	655.5	231.3	228.9	97.820	SF
UWF04D-10 H04 596 - DD - Plan #1	133.4	133.4	50.6	50.2	144.343	CC, ES
UWF04D-10 H04 596 - DD - Plan #1	1,900.0	1,777.0	266.9	254.0	20.681	SF
UWF04E-03 H04 596 - DD - Plan #1	300.0	300.0	159.6	158.7	171.265	CC, ES
UWF04E-03 H04 596 - DD - Plan #1	700.0	669.6	203.3	201.0	86.263	SF
UWF04E-04 H04 596 - DD - Plan #1	500.0	501.2	159.0	157.3	94.728	CC, ES
UWF04E-04 H04 596 - DD - Plan #1	1,500.0	1,378.0	481.6	471.9	49.749	SF
UWF05A-03 H04 596 - DD - Plan #1	200.0	200.0	150.2	149.7	257.745	CC, ES
UWF05A-03 H04 596 - DD - Plan #1	800.0	763.1	238.3	235.4	83.286	SF
UWF05A-04 H04 596 - DD - Plan #1	500.0	501.9	138.4	136.7	82.388	CC, ES
UWF05A-04 H04 596 - DD - Plan #1	1,500.0	1,388.4	449.9	439.9	45.144	SF
UWF05B-03 H04 596 - DD - Plan #2	300.0	300.0	139.7	138.7	149.857	CC, ES
UWF05B-03 H04 596 - DD - Plan #2	800.0	773.5	204.2	201.3	71.612	SF
UWF05C-03 H04 596 - DD - Plan #1	300.0	300.0	119.7	118.8	128.463	CC, ES
UWF05C-03 H04 596 - DD - Plan #1	800.0	779.6	178.3	175.3	60.974	SF
UWF05D-03 H04 596 - DD - Plan #1	300.0	300.0	99.8	98.9	107.090	CC
UWF05D-03 H04 596 - DD - Plan #1	400.0	399.8	99.9	98.6	77.623	ES
UWF05D-03 H04 596 - DD - Plan #1	700.0	689.4	125.9	123.3	49.501	SF
UWF05E-03 H04 596 - DD - Plan #1	317.9	318.0	90.4	89.4	90.110	CC
UWF05E-03 H04 596 - DD - Plan #1	400.0	399.7	90.6	89.3	68.827	ES
UWF05E-03 H04 596 - DD - Plan #1	700.0	691.8	117.4	114.7	43.106	SF
UWF06B-04 H04 596 - DD - Plan #1	500.0	501.9	116.7	114.9	64.622	CC, ES
UWF06B-04 H04 596 - DD - Plan #1	1,600.0	1,479.2	497.4	485.5	41.619	SF
UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2	597.5	605.3	83.4	81.1	35.863	CC, ES
UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2	1,100.0	1,101.0	146.3	140.6	25.769	SF

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
H04 596 Pad						
UWF07A-04 H04 596 - DD - Plan #1	400.0	400.0	149.1	147.8	116.405	CC, ES
UWF07A-04 H04 596 - DD - Plan #1	1,100.0	1,079.1	270.1	265.7	60.554	SF
UWF07B-03 H04 596 - DD - Plan #1	200.0	200.0	130.3	129.7	223.531	CC, ES
UWF07B-03 H04 596 - DD - Plan #1	700.0	675.8	176.6	173.9	66.990	SF
UWF07B-04 H04 596 - DD - Plan #2	333.7	333.7	129.1	128.1	123.034	CC, ES
UWF07B-04 H04 596 - DD - Plan #2	1,100.0	1,091.5	228.6	224.5	54.941	SF
UWF07C-03 H04 596 - DD - Plan #1	200.0	200.0	110.4	109.8	189.345	CC, ES
UWF07C-03 H04 596 - DD - Plan #1	700.0	678.9	155.8	153.2	58.941	SF
UWF07C-04 H04 596 - DD - Plan #1	527.4	530.9	105.9	104.1	58.745	CC, ES
UWF07C-04 H04 596 - DD - Plan #1	1,000.0	996.5	168.3	164.0	39.011	SF
UWF07E-03 H04 596 - DD - Plan #1	400.0	400.0	89.4	88.1	69.753	CC, ES
UWF07E-03 H04 596 - DD - Plan #1	700.0	690.7	118.1	115.8	50.440	SF
UWF10A-03 H04 596 - DD - Plan #1	200.0	200.0	70.6	70.0	121.136	CC, ES
UWF10A-03 H04 596 - DD - Plan #1	600.0	591.1	92.4	90.2	42.186	SF
UWF10A-04 H04 596 - DD - Plan #1	622.0	629.1	58.6	56.1	23.767	CC, ES
UWF10A-04 H04 596 - DD - Plan #1	1,000.0	1,003.7	93.1	88.0	18.310	SF
UWF10B-03 H04 596 - DD - Plan #1	400.0	400.0	69.4	68.1	54.149	CC
UWF10B-03 H04 596 - DD - Plan #1	500.0	500.0	69.5	67.9	42.657	ES
UWF10B-03 H04 596 - DD - Plan #1	700.0	699.3	82.7	80.3	35.604	SF
UWF10C-03 H04 596 - DD - Plan #1	134.5	134.5	60.4	60.1	170.539	CC
UWF10C-03 H04 596 - DD - Plan #1	200.0	199.6	60.6	60.0	103.936	ES
UWF10C-03 H04 596 - DD - Plan #1	600.0	588.9	92.0	89.8	41.701	SF
UWF10C-04 H04 596 - DD - Plan #1	568.3	570.2	32.9	31.0	17.192	CC, ES
UWF10C-04 H04 596 - DD - Plan #1	800.0	802.0	44.1	41.1	14.792	SF
UWF10E-04 H04 596 - DD - Plan #1	588.7	590.6	18.7	16.6	9.042	CC, ES
UWF10E-04 H04 596 - DD - Plan #1	1,900.0	1,897.9	143.5	127.2	8.768	SF
UWF12A-03 H04 596 - DD - Plan #2	400.0	400.0	79.9	78.6	62.382	CC
UWF12A-03 H04 596 - DD - Plan #2	500.0	500.0	80.1	78.4	49.126	ES
UWF12A-03 H04 596 - DD - Plan #2	800.0	799.0	105.7	103.0	38.189	SF
UWF12B-03 H04 596 - DD - Plan #1	513.9	515.2	58.9	57.2	34.875	CC, ES
UWF12B-03 H04 596 - DD - Plan #1	700.0	701.3	67.6	65.2	27.620	SF
UWF12C-03 H04 596 - DD - Plan #1	500.0	500.4	40.4	38.8	24.727	CC, ES
UWF12C-03 H04 596 - DD - Plan #1	700.0	699.4	52.2	49.8	21.316	SF
UWF12E-03 H04 596 - DD - Plan #1	400.0	400.0	31.4	30.2	24.539	CC
UWF12E-03 H04 596 - DD - Plan #1	500.0	500.0	31.6	30.0	19.381	ES
UWF12E-03 H04 596 - DD - Plan #1	600.0	600.2	35.1	33.1	17.753	SF
UWF13A-03 H04 596 - DD - Plan #1	400.0	400.0	22.0	20.7	17.152	CC
UWF13A-03 H04 596 - DD - Plan #1	500.0	500.0	22.1	20.5	13.569	ES
UWF13A-03 H04 596 - DD - Plan #1	600.0	600.2	25.0	23.0	12.611	SF
UWF13B-03 H04 596 - DD - Plan #2	400.0	400.0	13.7	12.4	10.700	CC
UWF13B-03 H04 596 - DD - Plan #2	500.0	500.0	13.8	12.2	8.486	ES, SF
UWF13C-03 H04 596 - DD - Plan #2	400.0	400.0	9.9	8.6	7.700	CC, ES
UWF13C-03 H04 596 - DD - Plan #2	500.0	499.5	11.8	10.2	7.262	SF
UWF13D-03 H04 596 - DD - Plan #1	333.3	333.3	13.7	12.6	13.030	CC, ES
UWF13D-03 H04 596 - DD - Plan #1	400.0	399.6	14.3	13.0	11.175	SF
UWF13E-03 H04 596 - DD - Plan #1	300.0	300.0	22.6	21.7	24.245	CC, ES
UWF13E-03 H04 596 - DD - Plan #1	400.0	398.8	25.1	23.8	19.631	SF
UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2	300.0	300.0	50.9	49.9	54.577	CC, ES
UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2	600.0	596.3	64.3	62.3	31.083	SF
UWF15A-04 H04 596 - DD - Plan #1	400.0	400.0	19.8	18.5	15.451	CC
UWF15A-04 H04 596 - DD - Plan #1	500.0	500.0	20.0	18.3	12.243	ES
UWF15A-04 H04 596 - DD - Plan #1	1,300.0	1,308.8	35.5	29.5	5.954	SF
UWF15B-03 H04 596 (was 10E-03) - DD - Plan #2	500.0	500.7	48.4	46.7	29.375	CC, ES

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
H04 596 Pad						
UWF15B-03 H04 596 (was 10E-03) - DD - Plan #2	700.0	698.4	62.9	60.4	25.089	SF
UWF15B-04 H04 596 - DD - Plan #1	481.4	481.7	4.3	2.7	2.670	CC, ES
UWF15B-04 H04 596 - DD - Plan #1	2,700.0	2,688.6	58.1	28.2	1.942	SF
UWF15D-04 H04 596 - DD - Plan #1	400.0	400.0	10.6	9.3	8.281	CC, ES
UWF15D-04 H04 596 - DD - Plan #1	12,900.0	13,000.0	267.6	196.9	3.782	SF
UWF15E-04 H04 596 - DD - Plan #1	133.4	133.4	20.0	19.6	57.030	CC, ES
UWF15E-04 H04 596 - DD - Plan #1	7,000.0	6,938.6	482.5	430.9	9.342	SF
K04 596 Pad						
CP10D-04 - Existing - Existing						Out of range
UWF02C-09 K04 - DD - Plan #1						Out of range
UWF02E-09 K04 - DD - Plan #1						Out of range
UWF07A-09 K04 - DD - Plan #1						Out of range
UWF07C-09 K04 - DD - Plan #1						Out of range

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - CP01B-04 H04 ST1 - Existing - Existing												Offset Site Error: 0.0 ft		
Survey Program: 17-MWD												Offset Well Error: 0.0 ft		
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	37.0	4.3	0.0	0.0	-167.09	-63.4	-14.5	65.5					
100.0	100.0	129.3	96.6	0.1	0.2	-167.78	-64.1	-13.9	65.6	65.3	0.31	209.210		
200.0	200.0	229.8	197.1	0.3	0.4	-167.53	-64.3	-14.2	65.9	65.2	0.66	99.344		
300.0	300.0	330.9	298.2	0.5	0.5	-166.38	-63.1	-15.3	64.9	63.9	1.01	63.982		
400.0	400.0	431.8	399.0	0.6	0.7	-163.93	-59.7	-17.2	62.2	60.8	1.37	45.501		
500.0	500.0	532.2	499.3	0.8	0.9	4.14	-55.5	-19.3	58.7	56.9	1.73	33.951		
600.0	599.9	632.3	599.1	1.0	1.1	7.87	-49.6	-22.4	50.5	48.4	2.09	24.101		
700.0	699.5	731.1	697.7	1.2	1.3	13.77	-43.3	-25.6	37.5	35.0	2.47	15.186		
800.0	798.4	829.1	795.4	1.5	1.5	38.30	-37.0	-29.4	22.8	19.9	2.92	7.824		
856.8	854.2	884.2	850.3	1.7	1.7	74.34	-32.8	-31.6	18.3	15.0	3.26	5.605	CC, ES, SF	
900.0	896.5	925.6	891.5	1.8	1.8	105.82	-29.4	-33.6	21.8	18.4	3.39	6.422		
1,000.0	993.5	1,020.8	986.2	2.2	2.0	140.11	-21.1	-38.2	46.5	42.9	3.63	12.795		
1,100.0	1,089.0	1,114.3	1,079.4	2.8	2.2	152.32	-13.4	-41.1	79.9	76.0	3.94	20.284		
1,200.0	1,182.8	1,203.8	1,168.5	3.4	2.4	157.77	-5.7	-44.0	119.7	115.4	4.26	28.076		
1,300.0	1,274.7	1,290.9	1,255.0	4.1	2.6	160.50	3.5	-47.6	166.1	161.5	4.60	36.116		
1,400.0	1,364.5	1,377.1	1,340.7	4.8	2.9	162.21	12.8	-52.0	217.0	212.1	4.95	43.827		
1,500.0	1,453.8	1,462.6	1,425.6	5.6	3.1	163.74	21.7	-56.3	268.9	263.6	5.33	50.434		
1,600.0	1,543.0	1,546.3	1,508.7	6.4	3.3	164.63	30.8	-61.1	321.1	315.4	5.72	56.118		
1,700.0	1,632.2	1,629.2	1,590.9	7.2	3.5	165.24	40.4	-65.8	373.9	367.8	6.11	61.176		
1,800.0	1,721.4	1,722.1	1,683.0	8.0	3.8	165.70	50.4	-71.6	426.1	419.5	6.53	65.256		
1,900.0	1,810.7	1,809.1	1,769.4	8.8	4.0	166.09	58.9	-76.9	477.4	470.4	6.93	68.915		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - CP05B-03 H04 - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 17-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						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	-166.57	-85.2	-20.3	91.8					
100.0	100.0	110.0	97.3	0.1	0.2	-166.68	-85.1	-20.2	87.5	87.2	0.28	315.108		
200.0	200.0	209.9	197.3	0.3	0.3	-166.96	-84.9	-19.7	87.1	86.5	0.63	138.747		
288.4	288.4	298.0	285.4	0.4	0.5	-168.19	-85.1	-17.8	86.9	86.0	0.94	92.469		
300.0	300.0	309.6	296.9	0.5	0.5	-168.46	-85.2	-17.4	86.9	85.9	0.98	88.590		
400.0	400.0	410.1	397.4	0.6	0.7	-171.23	-85.7	-13.2	86.7	85.4	1.34	64.633		
415.5	415.5	425.4	412.6	0.7	0.7	-6.68	-85.8	-12.5	86.7	85.3	1.40	62.007		
500.0	500.0	508.6	495.8	0.8	0.9	-9.08	-86.9	-9.0	87.2	85.5	1.70	51.270		
600.0	599.9	608.9	595.9	1.0	1.1	-14.85	-88.4	-4.6	84.5	82.5	2.06	40.975		
700.0	699.5	708.4	695.3	1.2	1.3	-24.48	-90.0	0.2	77.6	75.2	2.43	31.975		
800.0	798.4	807.9	794.6	1.5	1.5	-36.18	-90.2	5.5	66.2	63.4	2.82	23.500		
900.0	896.5	905.8	892.4	1.8	1.7	-54.96	-90.3	10.8	54.4	51.1	3.31	16.438		
992.1	985.8	994.8	981.3	2.2	1.8	-83.25	-88.6	15.3	48.2	44.3	3.92	12.296 CC, ES		
1,000.0	993.5	1,002.4	988.8	2.2	1.8	-86.03	-88.4	15.7	48.3	44.3	3.97	12.161 SF		
1,100.0	1,089.0	1,095.8	1,082.1	2.8	2.0	-118.06	-86.7	20.4	60.1	55.7	4.45	13.503		
1,200.0	1,182.8	1,185.5	1,171.5	3.4	2.2	-137.97	-83.7	27.2	90.8	86.1	4.71	19.278		
1,300.0	1,274.7	1,273.6	1,259.3	4.1	2.4	-148.63	-80.2	34.7	132.4	127.4	4.95	26.749		
1,400.0	1,364.5	1,360.0	1,345.3	4.8	2.6	-155.10	-76.3	41.7	180.4	175.2	5.20	34.687		
1,500.0	1,453.8	1,443.7	1,428.6	5.6	2.8	-159.39	-71.7	48.1	231.1	225.6	5.48	42.182		
1,600.0	1,543.0	1,526.7	1,511.2	6.4	3.0	-162.17	-66.7	54.9	283.0	277.2	5.77	49.004		
1,700.0	1,632.2	1,606.5	1,590.5	7.2	3.2	-164.02	-61.4	62.0	336.2	330.1	6.08	55.272		
1,800.0	1,721.4	1,690.8	1,674.2	8.0	3.4	-165.50	-55.0	69.7	390.2	383.8	6.39	61.024		
1,900.0	1,810.7	1,776.4	1,759.2	8.8	3.6	-166.73	-48.4	76.8	444.0	437.3	6.70	66.259		
2,000.0	1,899.9	1,863.2	1,845.5	9.7	3.8	-167.84	-41.5	83.0	497.6	490.6	7.00	71.058		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - CP08D-04 H04 - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 17-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							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)		Centre +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	-166.70	-76.0	-18.0	82.7					
100.0	100.0	109.8	97.1	0.1	0.2	-166.67	-75.8	-18.0	77.9	77.6	0.28	281.040		
200.0	200.0	209.9	197.2	0.3	0.3	-166.57	-75.6	-18.0	77.7	77.0	0.63	123.889		
300.0	300.0	309.9	297.2	0.5	0.5	-166.61	-75.3	-17.9	77.4	76.4	0.98	79.236		
400.0	400.0	410.0	397.3	0.6	0.7	-166.79	-75.0	-17.6	77.1	75.7	1.33	58.079		
500.0	500.0	510.0	497.3	0.8	0.9	-2.13	-74.7	-17.1	76.5	74.8	1.68	45.639		
600.0	599.9	609.8	597.0	1.0	1.0	-4.61	-74.4	-16.9	72.2	70.2	2.02	35.747		
700.0	699.5	709.1	696.4	1.2	1.2	-9.90	-74.5	-16.6	63.2	60.9	2.36	26.769		
800.0	798.4	808.2	795.5	1.5	1.4	-14.48	-74.4	-16.7	49.2	46.5	2.70	18.185		
900.0	896.5	906.3	893.6	1.8	1.6	-25.25	-74.3	-16.5	30.6	27.6	3.08	9.942		
1,000.0	993.5	1,003.2	990.5	2.2	1.7	-77.01	-74.1	-16.7	13.1	9.2	3.92	3.344		
1,010.7	1,003.8	1,013.5	1,000.7	2.3	1.7	-89.56	-74.0	-16.6	12.8	8.7	4.03	3.171	CC, ES, SF	
1,100.0	1,089.0	1,098.8	1,086.1	2.8	1.9	-152.60	-74.2	-16.3	29.7	25.8	3.91	7.598		
1,200.0	1,182.8	1,193.2	1,180.5	3.4	2.1	-167.00	-75.1	-16.6	61.7	57.6	4.06	15.199		
1,300.0	1,274.7	1,285.8	1,273.1	4.1	2.2	-171.73	-76.3	-16.7	99.4	95.1	4.30	23.105		
1,400.0	1,364.5	1,376.4	1,363.7	4.8	2.4	-174.31	-77.5	-17.6	141.6	137.1	4.57	30.976		
1,500.0	1,453.8	1,465.8	1,453.0	5.6	2.5	-175.72	-78.4	-18.2	185.5	180.6	4.89	37.952		
1,600.0	1,543.0	1,555.4	1,542.6	6.4	2.7	-176.80	-79.1	-19.6	229.4	224.2	5.21	44.070		
1,700.0	1,632.2	1,643.6	1,630.8	7.2	2.8	-177.47	-79.3	-20.4	273.9	268.3	5.52	49.570		
1,800.0	1,721.4	1,734.1	1,721.4	8.0	3.0	-177.97	-79.7	-21.4	318.2	312.4	5.85	54.407		
1,900.0	1,810.7	1,821.2	1,808.4	8.8	3.1	-178.26	-80.0	-21.8	362.8	356.7	6.17	58.819		
2,000.0	1,899.9	1,909.2	1,896.4	9.7	3.3	-178.51	-79.9	-22.2	407.9	401.5	6.49	62.853		
2,100.0	1,989.1	1,998.5	1,985.8	10.5	3.5	-178.75	-79.4	-22.7	453.3	446.5	6.81	66.527		
2,200.0	2,078.4	2,085.5	2,072.7	11.3	3.6	-178.96	-78.9	-23.3	498.6	491.5	7.13	69.905		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - CP12D-03 H04 - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 17-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	37.0	24.3	0.0	0.0	-166.22	-95.3	-23.4	102.1					
100.0	100.0	108.3	95.6	0.1	0.2	-166.70	-95.8	-22.6	98.4	98.1	0.28	356.950		
200.0	200.0	208.1	195.5	0.3	0.3	-167.51	-96.5	-21.4	98.9	98.2	0.63	157.559		
300.0	300.0	307.5	294.8	0.5	0.5	-168.70	-97.7	-19.5	99.7	98.7	0.98	101.814		
400.0	400.0	406.0	393.2	0.6	0.7	-170.31	-100.3	-17.1	101.8	100.5	1.33	76.578		
500.0	500.0	505.2	492.4	0.8	0.9	-6.94	-104.0	-14.7	105.0	103.3	1.69	62.178		
600.0	599.9	604.5	591.5	1.0	1.1	-10.88	-108.2	-12.6	104.9	102.9	2.04	51.514		
700.0	699.5	704.1	691.0	1.2	1.3	-17.28	-112.6	-11.0	100.4	98.1	2.38	42.145		
800.0	798.4	803.2	790.0	1.5	1.5	-23.08	-117.4	-9.1	91.8	89.0	2.74	33.536		
900.0	896.5	902.3	889.0	1.8	1.7	-31.25	-121.9	-7.0	79.0	75.9	3.13	25.262		
1,000.0	993.5	1,000.1	986.6	2.2	1.8	-46.10	-125.6	-3.6	64.0	60.3	3.67	17.425		
1,100.0	1,089.0	1,095.7	1,082.1	2.8	2.0	-73.26	-128.0	1.0	53.3	48.7	4.56	11.679		
1,120.1	1,108.0	1,114.6	1,101.0	2.9	2.1	-80.14	-128.3	2.0	52.9	48.1	4.77	11.083 CC, ES		
1,200.0	1,182.8	1,189.6	1,175.8	3.4	2.2	-106.26	-130.8	5.8	59.8	54.4	5.40	11.080 SF		
1,300.0	1,274.7	1,283.5	1,269.5	4.1	2.4	-128.87	-135.9	9.5	83.1	77.4	5.77	14.400		
1,400.0	1,364.5	1,375.3	1,361.1	4.8	2.6	-142.24	-141.2	12.2	116.6	110.7	5.98	19.505		
1,500.0	1,453.8	1,466.0	1,451.6	5.6	2.8	-149.99	-146.6	14.9	154.7	148.5	6.21	24.894		
1,600.0	1,543.0	1,557.3	1,542.6	6.4	3.0	-154.47	-152.7	18.2	194.1	187.6	6.52	29.790		
1,700.0	1,632.2	1,647.4	1,632.4	7.2	3.2	-157.05	-159.7	22.3	234.2	227.3	6.88	34.037		
1,800.0	1,721.4	1,735.6	1,720.2	8.0	3.4	-158.82	-166.0	27.1	275.5	268.2	7.26	37.948		
1,900.0	1,810.7	1,826.5	1,810.8	8.8	3.6	-160.18	-172.3	32.2	317.2	309.6	7.65	41.455		
2,000.0	1,899.9	1,916.4	1,900.3	9.7	3.8	-161.18	-178.6	37.5	359.3	351.2	8.06	44.594		
2,100.0	1,989.1	2,011.2	1,994.7	10.5	4.0	-161.96	-185.8	42.9	400.8	392.3	8.48	47.254		
2,200.0	2,078.4	2,100.6	2,083.6	11.3	4.2	-162.55	-192.8	47.9	442.2	433.3	8.90	49.665		
2,300.0	2,167.6	2,195.5	2,178.0	12.1	4.5	-162.97	-200.9	53.7	483.4	474.0	9.36	51.654		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF02A-09 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft			
Survey Program: 0-MWDD															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	-163.65	-29.3	-8.6	30.6							
100.0	100.0	100.0	100.0	0.1	0.1	-163.65	-29.3	-8.6	30.6	30.3	0.23	130.730				
135.4	135.4	135.4	135.4	0.2	0.2	-163.65	-29.3	-8.6	30.6	30.2	0.36	85.533	CC			
200.0	200.0	199.8	199.8	0.3	0.3	-162.50	-29.3	-9.3	30.8	30.2	0.58	52.731	ES			
300.0	300.0	299.0	298.9	0.5	0.5	-153.83	-29.3	-14.4	32.7	31.8	0.96	34.219				
400.0	400.0	397.5	396.8	0.6	0.7	-140.00	-29.3	-24.6	38.4	37.1	1.37	28.137				
500.0	500.0	494.6	492.8	0.8	1.1	38.53	-29.3	-39.6	49.7	48.0	1.72	28.878				
600.0	599.9	590.2	586.3	1.0	1.5	48.60	-29.3	-59.1	64.8	62.7	2.06	31.408				
700.0	699.5	683.9	676.9	1.2	1.9	55.37	-29.3	-82.7	83.5	81.1	2.38	35.007				
800.0	798.4	775.4	764.3	1.5	2.5	62.65	-29.3	-110.1	106.3	103.5	2.75	38.629				
900.0	896.5	864.6	848.0	1.8	3.1	68.88	-29.3	-140.7	133.5	130.3	3.23	41.269				
1,000.0	993.5	951.1	927.9	2.2	3.7	73.90	-29.3	-174.2	165.2	161.3	3.88	42.577				
1,100.0	1,089.0	1,035.0	1,003.6	2.8	4.5	77.86	-29.3	-210.0	201.3	196.6	4.69	42.873				
1,200.0	1,182.8	1,115.9	1,075.3	3.4	5.2	80.91	-29.3	-247.7	241.5	235.8	5.66	42.647				
1,300.0	1,274.7	1,194.0	1,142.7	4.1	6.0	83.23	-29.3	-286.9	285.7	278.9	6.76	42.237				
1,400.0	1,364.5	1,269.1	1,206.1	4.8	6.8	85.42	-29.3	-327.2	333.5	325.5	7.99	41.761				
1,500.0	1,453.8	1,341.7	1,265.9	5.6	7.7	87.95	-29.3	-368.5	385.0	375.7	9.29	41.449				
1,600.0	1,543.0	1,442.6	1,348.1	6.4	8.8	90.32	-31.1	-426.9	437.2	426.4	10.82	40.406				
1,700.0	1,632.2	1,555.7	1,442.2	7.2	10.0	92.05	-38.1	-489.2	485.1	472.6	12.49	38.832				
3,400.0	3,149.1	3,620.4	3,169.4	21.1	25.1	76.33	-946.2	-954.1	490.9	449.3	41.54	11.816				
3,500.0	3,238.3	3,717.3	3,246.6	21.9	25.8	74.08	-1,004.3	-959.6	474.8	432.2	42.65	11.134				
3,600.0	3,327.6	3,814.1	3,323.9	22.7	26.6	71.68	-1,062.4	-965.1	459.6	416.0	43.62	10.535				
3,700.0	3,416.8	3,911.0	3,401.1	23.5	27.4	69.13	-1,120.6	-970.6	445.2	400.8	44.46	10.015				
3,800.0	3,506.0	4,007.8	3,478.4	24.4	28.3	66.42	-1,178.7	-976.0	431.8	386.7	45.11	9.572				
3,900.0	3,595.3	4,104.6	3,555.7	25.2	29.1	63.55	-1,236.8	-981.5	419.4	373.9	45.57	9.204				
4,000.0	3,684.5	4,201.5	3,632.9	26.0	30.0	60.53	-1,295.0	-987.0	408.2	362.4	45.80	8.914				
4,100.0	3,773.7	4,298.3	3,710.2	26.8	30.8	57.35	-1,353.1	-992.5	398.3	352.5	45.77	8.702				
4,200.0	3,862.9	4,395.2	3,787.4	27.6	31.7	54.03	-1,411.2	-998.0	389.7	344.2	45.46	8.571				
4,300.0	3,952.2	4,492.0	3,864.7	28.5	32.6	50.58	-1,469.3	-1,003.5	382.5	337.6	44.86	8.526	SF			
4,400.0	4,041.4	4,588.9	3,942.0	29.3	33.5	47.02	-1,527.5	-1,009.0	376.8	332.9	43.95	8.575				
4,500.0	4,130.6	4,685.7	4,019.2	30.1	34.4	43.37	-1,585.6	-1,014.5	372.7	330.0	42.72	8.725				
4,600.0	4,219.9	4,782.5	4,096.5	30.9	35.3	39.66	-1,643.7	-1,020.0	370.3	329.1	41.20	8.987				
4,695.9	4,305.4	4,875.4	4,170.6	31.7	36.2	36.07	-1,699.5	-1,025.3	369.5	330.0	39.49	9.358				
4,700.0	4,309.1	4,879.4	4,173.8	31.7	36.2	35.92	-1,701.8	-1,025.5	369.5	330.1	39.41	9.376				
4,800.0	4,398.3	4,976.2	4,251.0	32.6	37.1	32.18	-1,760.0	-1,031.0	370.4	333.0	37.39	9.908				
4,900.0	4,487.5	5,073.1	4,328.3	33.4	38.0	28.48	-1,818.1	-1,036.5	373.0	337.8	35.19	10.600				
5,000.0	4,576.8	5,169.9	4,405.5	34.2	39.0	24.83	-1,876.2	-1,042.0	377.2	344.3	32.88	11.471				
5,100.0	4,666.0	5,266.7	4,482.8	35.0	39.9	21.28	-1,934.3	-1,047.4	383.0	352.5	30.55	12.537				
5,200.0	4,755.2	5,363.6	4,560.1	35.8	40.9	17.84	-1,992.5	-1,052.9	390.3	362.0	28.28	13.803				
5,300.0	4,844.5	5,460.4	4,637.3	36.7	41.8	14.53	-2,050.6	-1,058.4	399.0	372.9	26.17	15.248				
5,400.0	4,933.7	5,557.3	4,714.6	37.5	42.8	11.37	-2,108.7	-1,063.9	409.1	384.8	24.33	16.815				
5,500.0	5,022.9	5,654.1	4,791.8	38.3	43.7	8.35	-2,166.9	-1,069.4	420.4	397.5	22.87	18.387				
5,600.0	5,112.1	5,750.9	4,869.1	39.1	44.7	5.50	-2,225.0	-1,074.9	432.9	411.0	21.87	19.795				
5,700.0	5,201.4	5,847.8	4,946.4	39.9	45.6	2.80	-2,283.1	-1,080.4	446.4	425.0	21.40	20.857				
5,800.0	5,290.6	5,944.6	5,023.6	40.8	46.6	0.26	-2,341.2	-1,085.9	460.8	439.3	21.48	21.453				
5,900.0	5,379.8	6,041.5	5,100.9	41.6	47.6	-2.12	-2,399.4	-1,091.4	476.1	454.1	22.07	21.571				
6,000.0	5,469.1	6,138.3	5,178.2	42.4	48.6	-4.36	-2,457.5	-1,096.9	492.2	469.1	23.10	21.306				

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF02B-09 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
							+N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-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		
400.0	400.0	400.0	400.0	0.6	0.6	-164.10	-38.4	-11.0	40.0	38.7	1.28	31.201		
500.0	500.0	500.0	500.0	0.8	0.8	0.91	-38.4	-11.0	39.8	38.2	1.63	24.421		
600.0	599.9	599.9	599.9	1.0	1.0	-1.26	-38.4	-11.0	35.9	33.9	1.98	18.156		
700.0	699.5	699.7	699.7	1.2	1.2	-12.10	-38.4	-8.3	26.3	23.9	2.32	11.303		
800.0	798.4	797.9	797.5	1.5	1.4	-57.40	-38.4	-0.7	15.5	12.7	2.78	5.579		
809.0	807.3	806.6	806.2	1.5	1.4	-65.01	-38.4	0.2	15.3	12.5	2.83	5.411 CC, ES, SF		
900.0	896.5	893.2	892.1	1.8	1.6	-121.44	-38.4	11.5	29.5	26.3	3.23	9.136		
1,000.0	993.5	987.8	985.4	2.2	1.9	-137.97	-39.1	27.1	61.1	57.5	3.62	16.866		
1,100.0	1,089.0	1,085.1	1,081.5	2.8	2.1	-143.52	-43.6	41.4	94.8	90.7	4.09	23.156		
1,200.0	1,182.8	1,184.2	1,179.5	3.4	2.4	-146.31	-52.6	53.3	128.8	124.1	4.63	27.810		
1,300.0	1,274.7	1,285.2	1,279.1	4.1	2.6	-148.04	-66.3	62.7	162.6	157.4	5.22	31.133		
1,400.0	1,364.5	1,388.3	1,380.3	4.8	2.9	-149.34	-85.0	69.4	196.1	190.2	5.88	33.355		
1,500.0	1,453.8	1,494.7	1,483.8	5.6	3.3	-150.09	-109.1	73.3	225.9	219.2	6.62	34.104		
1,600.0	1,543.0	1,604.4	1,589.2	6.4	3.7	-150.16	-139.0	74.0	250.6	243.1	7.45	33.624		
1,700.0	1,632.2	1,716.7	1,695.6	7.2	4.2	-149.70	-175.0	71.3	270.0	261.7	8.38	32.208		
1,800.0	1,721.4	1,831.0	1,801.7	8.0	4.8	-148.79	-217.0	65.0	284.1	274.7	9.43	30.112		
1,900.0	1,810.7	1,946.5	1,906.4	8.8	5.6	-147.43	-264.8	54.9	292.7	282.1	10.63	27.543		
2,000.0	1,899.9	2,062.4	2,008.4	9.7	6.4	-145.58	-317.9	41.2	296.0	284.0	11.99	24.675		
2,100.0	1,989.1	2,177.8	2,106.7	10.5	7.4	-143.18	-375.9	24.0	294.1	280.5	13.58	21.660		
2,200.0	2,078.4	2,291.9	2,200.3	11.3	8.5	-140.10	-437.8	3.5	287.4	272.0	15.42	18.636		
2,300.0	2,167.6	2,402.4	2,287.2	12.1	9.6	-136.23	-502.1	-19.5	276.5	259.0	17.56	15.746		
2,400.0	2,256.8	2,499.9	2,362.5	12.9	10.6	-132.26	-560.2	-40.8	265.0	245.2	19.74	13.421		
2,500.0	2,346.0	2,597.4	2,437.8	13.7	11.7	-127.95	-618.3	-62.2	254.8	232.8	22.08	11.541		
2,600.0	2,435.3	2,694.9	2,513.1	14.5	12.7	-123.34	-676.4	-83.6	246.3	221.7	24.54	10.036		
2,700.0	2,524.5	2,792.4	2,588.4	15.4	13.8	-118.44	-734.5	-105.0	239.5	212.4	27.07	8.847		
2,800.0	2,613.7	2,889.9	2,663.7	16.2	14.9	-113.31	-792.7	-126.4	234.7	205.1	29.60	7.926		
2,900.0	2,703.0	2,987.4	2,739.0	17.0	16.0	-108.02	-850.8	-147.8	231.8	199.8	32.07	7.230		
2,982.5	2,776.6	3,067.9	2,801.1	17.7	16.9	-103.59	-898.8	-165.5	231.1	197.1	33.99	6.799		
3,000.0	2,792.2	3,084.9	2,814.3	17.8	17.1	-102.65	-908.9	-169.2	231.1	196.8	34.38	6.723		
3,100.0	2,881.4	3,182.4	2,889.6	18.6	18.1	-97.30	-967.0	-190.6	232.6	196.1	36.49	6.374		
3,200.0	2,970.6	3,279.9	2,964.9	19.5	19.2	-92.05	-1,025.2	-212.0	236.1	197.8	38.34	6.159		
3,300.0	3,059.9	3,377.4	3,040.2	20.3	20.3	-87.00	-1,083.3	-233.4	241.7	201.8	39.91	6.055		
3,400.0	3,149.1	3,474.9	3,115.4	21.1	21.4	-82.19	-1,141.4	-254.8	249.1	207.9	41.21	6.044		
3,500.0	3,238.3	3,572.3	3,190.7	21.9	22.5	-77.68	-1,199.5	-276.2	258.2	215.9	42.26	6.110		
3,600.0	3,327.6	3,669.8	3,266.0	22.7	23.6	-73.50	-1,257.7	-297.6	268.9	225.8	43.08	6.241		
3,700.0	3,416.8	3,767.3	3,341.3	23.5	24.7	-69.63	-1,315.8	-319.0	280.9	237.2	43.72	6.425		
3,800.0	3,506.0	3,864.8	3,416.6	24.4	25.8	-66.09	-1,373.9	-340.3	294.1	249.9	44.20	6.654		
3,900.0	3,595.3	3,962.3	3,491.9	25.2	27.0	-62.86	-1,432.0	-361.7	308.4	263.8	44.57	6.918		
4,000.0	3,684.5	4,059.8	3,567.2	26.0	28.1	-59.91	-1,490.1	-383.1	323.5	278.7	44.86	7.212		
4,100.0	3,773.7	4,157.3	3,642.5	26.8	29.2	-57.22	-1,548.3	-404.5	339.5	294.4	45.08	7.530		
4,200.0	3,862.9	4,254.8	3,717.8	27.6	30.3	-54.78	-1,606.4	-425.9	356.1	310.8	45.26	7.867		
4,300.0	3,952.2	4,352.3	3,793.1	28.5	31.4	-52.55	-1,664.5	-447.3	373.3	327.9	45.42	8.219		
4,400.0	4,041.4	4,449.8	3,868.4	29.3	32.5	-50.52	-1,722.6	-468.7	391.0	345.4	45.56	8.583		
4,500.0	4,130.6	4,547.3	3,943.7	30.1	33.6	-48.66	-1,780.8	-490.1	409.2	363.5	45.69	8.955		
4,600.0	4,219.9	4,644.8	4,019.0	30.9	34.7	-46.96	-1,838.9	-511.5	427.7	381.9	45.82	9.333		
4,700.0	4,309.1	4,742.3	4,094.3	31.7	35.8	-45.40	-1,897.0	-532.9	446.6	400.6	45.96	9.716		
4,800.0	4,398.3	4,839.8	4,169.5	32.6	37.0	-43.97	-1,955.1	-554.3	465.8	419.6	46.11	10.101		
4,900.0	4,487.5	4,937.3	4,244.8	33.4	38.1	-42.65	-2,013.2	-575.7	485.2	438.9	46.27	10.487		

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Cathedral Energy Services

Anticollision Report

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Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF02C-04 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft
Survey Program:													0-MWD		Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation	Warning				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor					
0.0	0.0	0.0	0.0	0.0	0.0	18.49	180.1	60.2	189.9								
100.0	100.0	100.0	100.0	0.1	0.1	18.49	180.1	60.2	189.9	189.7	0.23	812.050					
200.0	200.0	200.0	200.0	0.3	0.3	18.49	180.1	60.2	189.9	189.3	0.58	325.793					
300.0	300.0	300.0	300.0	0.5	0.5	18.49	180.1	60.2	189.9	189.0	0.93	203.773	CC, ES				
400.0	400.0	395.6	395.5	0.6	0.6	17.85	181.8	58.6	191.1	189.8	1.28	149.658					
500.0	500.0	490.7	490.4	0.8	0.8	-179.01	186.9	53.6	194.8	193.2	1.64	118.445					
600.0	599.9	584.5	583.4	1.0	1.1	175.91	195.2	45.4	205.2	203.1	2.04	100.568					
700.0	699.5	676.1	673.7	1.2	1.4	168.59	206.5	34.4	223.9	221.4	2.46	90.932					
800.0	798.4	764.7	760.1	1.5	1.8	163.71	220.3	20.9	250.9	248.0	2.90	86.391					
900.0	896.5	853.0	845.4	1.8	2.2	159.73	236.7	4.8	285.7	282.4	3.36	85.162					
1,000.0	993.5	944.0	933.1	2.2	2.6	156.72	254.0	-12.1	326.0	322.2	3.83	85.147	SF				
1,100.0	1,089.0	1,033.2	1,019.1	2.8	3.0	154.56	271.0	-28.8	370.8	366.5	4.32	85.874					
1,200.0	1,182.8	1,120.3	1,103.0	3.4	3.5	153.01	287.6	-45.0	419.8	414.9	4.83	86.933					
1,300.0	1,274.7	1,205.1	1,184.8	4.1	3.9	151.86	303.7	-60.8	472.7	467.3	5.36	88.134					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF02D-04 H04 596 - DD - Plan #1												Offset Site Error: 0.0 ft	
Survey Program: 0-MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	15.60	182.1	50.8	189.1				
100.0	100.0	100.0	100.0	0.1	0.1	15.60	182.1	50.8	189.1	188.9	0.23	808.540	
200.0	200.0	200.0	200.0	0.3	0.3	15.60	182.1	50.8	189.1	188.5	0.58	324.385	CC, ES
300.0	300.0	296.1	296.1	0.5	0.5	14.93	183.7	49.0	190.1	189.2	0.93	204.341	
400.0	400.0	391.7	391.4	0.6	0.7	12.98	188.2	43.4	193.3	192.0	1.30	149.063	
500.0	500.0	486.4	485.3	0.8	0.9	174.92	195.7	34.2	199.3	197.6	1.72	115.579	
600.0	599.9	579.3	576.8	1.0	1.3	168.89	205.8	21.7	212.3	210.1	2.17	97.699	
700.0	699.5	670.9	666.1	1.2	1.6	160.94	218.5	6.1	233.7	231.0	2.63	88.921	
800.0	798.4	766.1	758.7	1.5	2.1	156.01	232.7	-11.3	261.5	258.4	3.09	84.481	
900.0	896.5	860.2	850.1	1.8	2.5	152.77	246.6	-28.4	294.1	290.6	3.57	82.485	
1,000.0	993.5	952.8	940.2	2.2	2.9	150.61	260.4	-45.3	331.3	327.2	4.06	81.691	
1,100.0	1,089.0	1,043.9	1,028.7	2.8	3.3	149.18	273.9	-61.9	372.5	368.0	4.57	81.515	SF
1,200.0	1,182.8	1,133.0	1,115.4	3.4	3.7	148.24	287.1	-78.2	417.8	412.7	5.11	81.694	
1,300.0	1,274.7	1,220.1	1,199.9	4.1	4.1	147.63	300.0	-94.1	466.9	461.2	5.69	82.112	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF02E-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	15.56	162.9	45.4	169.1					
100.0	100.0	100.0	100.0	0.1	0.1	15.56	162.9	45.4	169.1	168.9	0.23	723.089		
200.0	200.0	200.0	200.0	0.3	0.3	15.56	162.9	45.4	169.1	168.5	0.58	290.102		
300.0	300.0	300.0	300.0	0.5	0.5	15.56	162.9	45.4	169.1	168.2	0.93	181.450		
400.0	400.0	400.0	400.0	0.6	0.6	15.56	162.9	45.4	169.1	167.8	1.28	132.008		
471.3	471.3	471.9	471.9	0.8	0.8	-179.90	163.1	44.0	169.3	167.8	1.53	110.332		
500.0	500.0	500.8	500.7	0.8	0.8	179.66	163.4	42.8	169.0	167.4	1.64	103.280 CC, ES		
600.0	599.9	600.0	599.6	1.0	1.0	174.88	164.7	35.1	172.5	170.5	2.01	85.651		
700.0	699.5	695.0	693.9	1.2	1.3	167.44	168.1	23.6	182.8	180.4	2.42	75.409		
800.0	798.4	787.0	784.5	1.5	1.6	162.21	174.3	9.2	201.5	198.6	2.87	70.100		
900.0	896.5	880.1	875.6	1.8	1.9	157.88	183.2	-8.0	228.0	224.6	3.36	67.950		
1,000.0	993.5	974.5	967.9	2.2	2.3	154.81	192.4	-25.7	259.8	255.9	3.87	67.181 SF		
1,100.0	1,089.0	1,067.5	1,058.8	2.8	2.6	152.76	201.5	-43.1	296.1	291.7	4.40	67.251		
1,200.0	1,182.8	1,158.8	1,148.0	3.4	3.0	151.44	210.5	-60.2	336.8	331.8	4.97	67.801		
1,300.0	1,274.7	1,248.3	1,235.4	4.1	3.3	150.60	219.2	-76.9	381.5	376.0	5.56	68.664		
1,400.0	1,364.5	1,335.6	1,320.8	4.8	3.7	150.37	227.7	-93.3	430.1	423.9	6.18	69.649		
1,500.0	1,453.8	1,422.4	1,405.6	5.6	4.0	150.83	236.2	-109.5	479.7	472.9	6.83	70.204		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04A-10 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	178.57	-31.4	0.8	31.4					
100.0	100.0	100.0	100.0	0.1	0.1	178.57	-31.4	0.8	31.4	31.1	0.23	134.141		
200.0	200.0	200.0	200.0	0.3	0.3	178.57	-31.4	0.8	31.4	30.8	0.58	53.817		
233.4	233.4	233.4	233.4	0.3	0.3	178.57	-31.4	0.8	31.4	30.7	0.70	44.842 CC, ES		
300.0	300.0	299.2	299.2	0.5	0.5	178.15	-31.9	1.0	32.0	31.0	0.93	34.354		
400.0	400.0	397.4	397.3	0.6	0.7	175.31	-36.6	3.0	36.8	35.5	1.28	28.840		
500.0	500.0	494.9	494.2	0.8	0.9	-23.62	-45.8	6.9	46.5	44.9	1.63	28.597		
600.0	599.9	591.5	589.7	1.0	1.2	-30.86	-59.4	12.7	58.0	56.1	1.97	29.437		
700.0	699.5	687.2	683.4	1.2	1.6	-41.00	-77.2	20.2	71.0	68.7	2.32	30.572		
800.0	798.4	781.6	774.8	1.5	2.0	-49.05	-99.0	29.5	86.3	83.6	2.72	31.741		
900.0	896.5	874.7	863.6	1.8	2.5	-56.03	-124.6	40.3	104.6	101.4	3.23	32.422		
1,000.0	993.5	966.2	949.5	2.2	3.1	-62.02	-153.5	52.6	126.2	122.3	3.90	32.383		
1,100.0	1,089.0	1,055.9	1,032.2	2.8	3.8	-67.04	-185.6	66.2	151.3	146.6	4.76	31.807		
1,200.0	1,182.8	1,143.9	1,111.6	3.4	4.5	-71.17	-220.4	81.0	179.9	174.1	5.80	31.019		
1,300.0	1,274.7	1,229.9	1,187.4	4.1	5.2	-74.52	-257.7	96.8	212.0	205.0	7.01	30.245		
1,400.0	1,364.5	1,314.1	1,259.9	4.8	6.0	-77.46	-297.2	113.6	247.4	239.1	8.35	29.620		
1,500.0	1,453.8	1,405.8	1,337.8	5.6	6.8	-80.47	-341.8	132.5	285.0	275.2	9.83	28.994		
1,600.0	1,543.0	1,497.6	1,415.7	6.4	7.7	-82.79	-386.5	151.4	323.1	311.8	11.32	28.545		
1,700.0	1,632.2	1,589.3	1,493.6	7.2	8.6	-84.62	-431.1	170.4	361.5	348.7	12.81	28.215		
1,800.0	1,721.4	1,681.1	1,571.5	8.0	9.4	-86.11	-475.7	189.3	400.2	385.9	14.31	27.965		
1,900.0	1,810.7	1,772.8	1,649.4	8.8	10.3	-87.33	-520.3	208.2	439.1	423.3	15.81	27.773		
2,000.0	1,899.9	1,864.6	1,727.4	9.7	11.2	-88.35	-564.9	227.1	478.2	460.9	17.31	27.622 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04B-04 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
							+N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	18.80	170.0	57.9	179.6					
100.0	100.0	100.0	100.0	0.1	0.1	18.80	170.0	57.9	179.6	179.3	0.23	767.814		
200.0	200.0	200.0	200.0	0.3	0.3	18.80	170.0	57.9	179.6	179.0	0.58	308.045		
300.0	300.0	300.0	300.0	0.5	0.5	18.80	170.0	57.9	179.6	178.6	0.93	192.673		
400.0	400.0	400.0	400.0	0.6	0.6	18.80	170.0	57.9	179.6	178.3	1.28	140.173 CC		
402.5	402.5	402.4	402.4	0.6	0.6	-176.20	170.0	57.9	179.6	178.3	1.29	139.242 ES		
500.0	500.0	497.4	497.3	0.8	0.8	-176.95	171.4	55.9	180.5	178.8	1.63	110.717		
600.0	599.9	594.0	593.7	1.0	1.0	178.61	175.6	49.8	186.8	184.8	2.00	93.497		
700.0	699.5	689.0	687.9	1.2	1.3	171.48	182.5	40.0	200.3	197.9	2.40	83.569		
800.0	798.4	783.5	780.9	1.5	1.6	166.30	191.8	26.4	221.2	218.3	2.83	78.125		
900.0	896.5	876.9	872.0	1.8	1.9	161.65	202.3	8.6	248.5	245.2	3.33	74.585		
1,000.0	993.5	967.3	959.1	2.2	2.4	157.43	213.6	-12.7	282.1	278.3	3.89	72.485		
1,100.0	1,089.0	1,054.3	1,041.8	2.8	2.9	153.61	225.5	-36.9	322.0	317.5	4.52	71.207		
1,200.0	1,182.8	1,137.6	1,119.8	3.4	3.4	150.15	237.7	-63.5	367.7	362.5	5.23	70.375		
1,300.0	1,274.7	1,217.0	1,192.9	4.1	4.0	147.00	250.2	-91.9	419.1	413.1	6.01	69.786		
1,400.0	1,364.5	1,292.5	1,261.2	4.8	4.6	144.48	262.7	-121.6	475.4	468.5	6.87	69.154 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04B-10 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-177.84	-41.5	-1.6	41.5					
100.0	100.0	100.0	100.0	0.1	0.1	-177.84	-41.5	-1.6	41.5	41.3	0.23	177.470		
200.0	200.0	200.0	200.0	0.3	0.3	-177.84	-41.5	-1.6	41.5	40.9	0.58	71.201 CC, ES		
300.0	300.0	298.0	297.9	0.5	0.5	-179.16	-43.8	-0.6	43.9	42.9	0.93	47.237		
400.0	400.0	395.4	395.1	0.6	0.7	177.62	-50.8	2.1	51.0	49.8	1.27	40.083		
500.0	500.0	491.9	490.7	0.8	1.0	-21.09	-62.2	6.6	63.1	61.4	1.63	38.722		
600.0	599.9	587.4	584.7	1.0	1.3	-27.57	-77.9	12.8	76.8	74.8	1.97	38.908		
700.0	699.5	681.8	676.7	1.2	1.7	-36.57	-97.7	20.7	91.6	89.3	2.32	39.530		
800.0	798.4	775.0	766.3	1.5	2.2	-43.50	-121.4	30.0	108.3	105.6	2.69	40.239		
900.0	896.5	866.7	853.2	1.8	2.7	-49.59	-148.6	40.8	127.5	124.3	3.15	40.441		
1,000.0	993.5	956.8	937.2	2.2	3.4	-55.00	-179.1	52.8	149.4	145.7	3.76	39.791		
1,100.0	1,089.0	1,045.3	1,017.9	2.8	4.0	-59.71	-212.6	66.1	174.4	169.9	4.54	38.418		
1,200.0	1,182.8	1,131.9	1,095.3	3.4	4.7	-63.76	-248.8	80.4	202.5	197.0	5.52	36.721		
1,300.0	1,274.7	1,216.6	1,169.3	4.1	5.5	-67.18	-287.2	95.6	233.8	227.1	6.67	35.046		
1,400.0	1,364.5	1,300.0	1,240.2	4.8	6.3	-70.29	-328.0	111.7	268.1	260.1	7.99	33.578		
1,500.0	1,453.8	1,388.6	1,314.0	5.6	7.2	-73.34	-373.5	129.7	305.5	296.1	9.43	32.412		
1,600.0	1,543.0	1,480.1	1,390.3	6.4	8.1	-75.82	-420.6	148.3	343.6	332.7	10.91	31.490		
1,700.0	1,632.2	1,571.6	1,466.5	7.2	9.0	-77.80	-467.7	166.9	382.2	369.8	12.41	30.794		
1,800.0	1,721.4	1,663.2	1,542.8	8.0	9.9	-79.43	-514.8	185.5	421.0	407.1	13.92	30.256		
1,900.0	1,810.7	1,754.7	1,619.0	8.8	10.8	-80.78	-561.9	204.1	460.2	444.7	15.43	29.832		
2,000.0	1,899.9	1,846.2	1,695.2	9.7	11.7	-81.92	-609.0	222.7	499.5	482.5	16.94	29.491 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04C-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	15.66	173.0	48.5	179.7					
100.0	100.0	100.0	100.0	0.1	0.1	15.66	173.0	48.5	179.7	179.5	0.23	768.357		
200.0	200.0	202.9	202.9	0.3	0.3	15.47	172.8	47.8	179.3	178.7	0.59	304.188		
300.0	300.0	308.3	308.2	0.5	0.5	13.92	170.8	42.3	176.1	175.2	0.98	180.335		
400.0	400.0	412.8	412.0	0.6	0.8	10.70	166.9	31.5	170.2	168.8	1.42	119.536		
500.0	500.0	515.8	513.6	0.8	1.1	170.58	161.1	15.7	162.6	160.7	1.91	84.987		
600.0	599.9	617.1	612.5	1.0	1.6	161.46	153.6	-4.9	158.1	155.6	2.52	62.728		
629.9	629.7	647.1	641.5	1.1	1.7	157.43	151.0	-11.9	157.8	155.1	2.72	58.055 CC, ES		
700.0	699.5	712.1	704.2	1.2	2.1	150.00	145.9	-28.6	160.3	157.1	3.19	50.205		
800.0	798.4	800.0	788.2	1.5	2.5	141.65	140.9	-53.9	172.7	168.8	3.90	44.265		
900.0	896.5	892.1	875.2	1.8	3.1	134.67	138.1	-83.7	194.7	190.0	4.70	41.394		
1,000.0	993.5	978.1	955.4	2.2	3.7	129.56	137.9	-114.7	225.3	219.7	5.54	40.667 SF		
1,100.0	1,089.0	1,060.7	1,031.3	2.8	4.3	125.78	139.8	-147.3	263.1	256.7	6.43	40.917		
1,200.0	1,182.8	1,139.6	1,102.6	3.4	5.0	122.97	143.5	-180.8	307.3	299.9	7.38	41.655		
1,300.0	1,274.7	1,214.4	1,169.1	4.1	5.6	120.78	148.8	-214.8	357.2	348.9	8.38	42.628		
1,400.0	1,364.5	1,285.1	1,230.7	4.8	6.3	119.49	155.3	-248.7	412.2	402.7	9.44	43.654		
1,500.0	1,453.8	1,352.4	1,288.3	5.6	7.0	119.51	162.9	-282.7	470.4	459.8	10.56	44.550		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04C-10 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-174.70	-50.6	-4.7	50.8					
100.0	100.0	100.0	100.0	0.1	0.1	-174.70	-50.6	-4.7	50.8	50.6	0.23	217.210		
133.4	133.4	133.4	133.4	0.2	0.2	-174.70	-50.6	-4.7	50.8	50.4	0.35	144.932 CC, ES		
200.0	200.0	198.8	198.8	0.3	0.3	-175.00	-51.2	-4.5	51.4	50.8	0.58	88.442		
300.0	300.0	296.2	296.1	0.5	0.5	-177.18	-55.8	-2.8	56.0	55.1	0.93	60.514		
400.0	400.0	392.8	392.2	0.6	0.7	179.42	-65.0	0.7	65.5	64.2	1.27	51.606		
500.0	500.0	488.2	486.5	0.8	1.0	-19.12	-78.6	5.7	79.8	78.2	1.63	48.913		
600.0	599.9	582.6	578.9	1.0	1.4	-25.10	-96.3	12.2	95.7	93.7	1.98	48.426		
700.0	699.5	675.8	669.1	1.2	1.9	-33.34	-118.0	20.2	112.5	110.2	2.32	48.565		
800.0	798.4	767.6	756.9	1.5	2.4	-39.44	-143.4	29.6	130.8	128.1	2.68	48.892		
900.0	896.5	858.0	841.9	1.8	3.0	-44.81	-172.3	40.3	151.1	148.0	3.10	48.750		
1,000.0	993.5	946.8	923.9	2.2	3.6	-49.63	-204.2	52.1	173.8	170.1	3.64	47.682		
1,100.0	1,089.0	1,033.9	1,002.6	2.8	4.3	-53.95	-239.0	65.0	199.0	194.7	4.35	45.708		
1,200.0	1,182.8	1,119.2	1,078.1	3.4	5.0	-57.76	-276.3	78.8	227.0	221.7	5.25	43.231		
1,300.0	1,274.7	1,200.0	1,147.9	4.1	5.8	-60.95	-314.5	92.9	257.7	251.4	6.31	40.816		
1,400.0	1,364.5	1,284.3	1,218.8	4.8	6.6	-64.13	-357.3	108.7	291.3	283.7	7.59	38.389		
1,500.0	1,453.8	1,370.0	1,289.1	5.6	7.5	-67.15	-403.4	125.8	328.5	319.5	8.97	36.619		
1,600.0	1,543.0	1,461.3	1,363.6	6.4	8.4	-69.69	-452.8	144.0	366.8	356.4	10.43	35.171		
1,700.0	1,632.2	1,552.5	1,438.1	7.2	9.4	-71.77	-502.1	162.3	405.7	393.8	11.91	34.060		
1,800.0	1,721.4	1,643.7	1,512.6	8.0	10.3	-73.48	-551.5	180.5	444.9	431.5	13.40	33.191		
1,900.0	1,810.7	1,735.0	1,587.1	8.8	11.3	-74.92	-600.9	198.8	484.4	469.5	14.91	32.499 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF04D-03 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft	
Survey Program:													0-MWD		Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance											
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)								
0.0	0.0	0.0	0.0	0.0	0.0	19.04	160.9	55.5	170.2									
100.0	100.0	100.0	100.0	0.1	0.1	19.04	160.9	55.5	170.2	170.0	0.23	727.745						
200.0	200.0	200.0	200.0	0.3	0.3	19.04	160.9	55.5	170.2	169.6	0.58	291.970	CC, ES					
300.0	300.0	295.0	295.0	0.5	0.5	19.71	161.2	57.8	171.3	170.4	0.93	184.822						
400.0	400.0	387.4	387.2	0.6	0.7	21.17	164.1	63.6	176.4	175.1	1.29	137.110						
500.0	500.0	479.0	478.1	0.8	0.9	-171.83	169.8	72.6	186.1	184.5	1.64	113.455						
600.0	599.9	568.8	566.7	1.0	1.2	-171.86	178.1	84.7	203.9	201.9	2.01	101.666						
700.0	699.5	655.5	651.5	1.2	1.6	-173.72	188.6	99.4	231.3	228.9	2.36	97.820	SF					
800.0	798.4	744.1	737.3	1.5	1.9	-173.25	201.6	116.9	267.2	264.5	2.72	98.405						
900.0	896.5	834.8	825.2	1.8	2.4	-172.45	215.1	135.1	308.6	305.5	3.06	100.884						
1,000.0	993.5	923.4	910.9	2.2	2.8	-171.73	228.3	152.9	354.7	351.4	3.39	104.721						
1,100.0	1,089.0	1,009.4	994.2	2.8	3.2	-171.15	241.1	170.2	405.5	401.8	3.70	109.497						
1,200.0	1,182.8	1,092.7	1,074.9	3.4	3.6	-170.68	253.5	186.9	460.7	456.7	4.01	114.951						

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04D-10 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-163.83	-48.6	-14.1	50.6					
100.0	100.0	100.0	100.0	0.1	0.1	-163.83	-48.6	-14.1	50.6	50.3	0.23	216.198		
133.4	133.4	133.4	133.4	0.2	0.2	-163.83	-48.6	-14.1	50.6	50.2	0.35	144.343 CC, ES		
200.0	200.0	198.7	198.7	0.3	0.3	-163.66	-49.1	-14.4	51.2	50.6	0.58	88.104		
300.0	300.0	296.0	295.8	0.5	0.5	-162.47	-53.4	-16.9	56.1	55.2	0.93	60.338		
400.0	400.0	392.4	391.8	0.6	0.7	-160.62	-61.9	-21.8	66.1	64.8	1.29	51.307		
500.0	500.0	487.7	485.9	0.8	1.0	6.29	-74.4	-29.0	80.9	79.2	1.62	50.044		
600.0	599.9	582.0	578.3	1.0	1.4	5.99	-90.7	-38.4	96.9	94.9	1.96	49.504		
700.0	699.5	675.6	669.0	1.2	1.9	3.74	-110.8	-50.0	112.7	110.4	2.29	49.122		
800.0	798.4	768.5	757.7	1.5	2.4	3.63	-134.5	-63.7	128.2	125.5	2.63	48.805		
900.0	896.5	863.3	847.0	1.8	3.0	3.83	-162.5	-79.2	142.9	140.0	2.96	48.339		
1,000.0	993.5	960.9	938.2	2.2	3.6	2.68	-194.5	-92.1	154.2	150.9	3.29	46.838		
1,100.0	1,089.0	1,058.3	1,028.8	2.8	4.2	0.07	-229.5	-101.2	161.5	157.9	3.62	44.603		
1,200.0	1,182.8	1,155.1	1,117.7	3.4	4.9	-3.96	-267.2	-106.4	165.5	161.6	3.95	41.865		
1,300.0	1,274.7	1,250.6	1,204.4	4.1	5.6	-9.45	-307.2	-107.7	167.2	162.9	4.35	38.408		
1,400.0	1,364.5	1,344.3	1,288.2	4.8	6.3	-16.40	-349.0	-105.3	168.2	163.2	5.00	33.651		
1,500.0	1,453.8	1,436.0	1,368.8	5.6	7.0	-24.21	-392.3	-99.6	173.7	167.6	6.07	28.615		
1,600.0	1,543.0	1,525.3	1,445.8	6.4	7.8	-32.14	-436.7	-90.7	186.2	178.7	7.55	24.660		
1,700.0	1,632.2	1,612.1	1,519.0	7.2	8.6	-39.50	-481.8	-78.9	206.2	196.9	9.29	22.187		
1,800.0	1,721.4	1,700.0	1,591.4	8.0	9.4	-46.15	-529.3	-63.9	233.3	222.1	11.18	20.867		
1,900.0	1,810.7	1,777.0	1,653.2	8.8	10.2	-51.16	-572.4	-48.2	266.9	254.0	12.90	20.681 SF		
2,000.0	1,899.9	1,860.2	1,718.6	9.7	11.0	-55.68	-620.3	-28.9	305.8	291.1	14.68	20.830		
2,100.0	1,989.1	1,949.2	1,788.0	10.5	11.9	-59.50	-671.7	-8.0	346.9	330.3	16.53	20.986		
2,200.0	2,078.4	2,038.1	1,857.5	11.3	12.9	-62.53	-723.0	12.9	388.9	370.7	18.23	21.333		
2,300.0	2,167.6	2,127.0	1,927.0	12.1	13.8	-64.99	-774.4	33.9	431.8	411.9	19.90	21.701		
2,400.0	2,256.8	2,215.9	1,996.5	12.9	14.8	-67.01	-825.7	54.8	475.2	453.6	21.52	22.076		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF04E-03 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft
Survey Program: 0-MWD															Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
0.0	0.0	0.0	0.0	0.0	0.0	19.17	150.8	52.4	159.6								
100.0	100.0	100.0	100.0	0.1	0.1	19.17	150.8	52.4	159.6	159.4	0.23	682.503					
200.0	200.0	200.0	200.0	0.3	0.3	19.17	150.8	52.4	159.6	159.0	0.58	273.819					
300.0	300.0	300.0	300.0	0.5	0.5	19.17	150.8	52.4	159.6	158.7	0.93	171.265	CC, ES				
400.0	400.0	394.1	394.0	0.6	0.6	19.72	151.9	54.4	161.5	160.2	1.27	126.644					
500.0	500.0	487.6	487.3	0.8	0.8	-173.72	155.2	60.5	167.2	165.6	1.63	102.890					
600.0	599.9	579.9	578.9	1.0	1.1	-173.71	160.7	70.3	180.7	178.7	1.99	90.859					
700.0	699.5	669.6	667.3	1.2	1.4	-175.13	168.1	83.6	203.3	201.0	2.36	86.263	SF				
800.0	798.4	756.1	751.8	1.5	1.7	-174.09	177.1	99.8	235.1	232.4	2.71	86.602					
900.0	896.5	847.9	841.0	1.8	2.1	-172.57	187.5	118.5	273.7	270.6	3.08	88.900					
1,000.0	993.5	937.6	928.2	2.2	2.5	-171.34	197.7	136.9	317.3	313.9	3.43	92.581					
1,100.0	1,089.0	1,024.9	1,013.1	2.8	2.9	-170.39	207.6	154.7	365.7	361.9	3.76	97.132					
1,200.0	1,182.8	1,109.7	1,095.5	3.4	3.2	-169.66	217.2	172.0	418.6	414.5	4.09	102.282					
1,300.0	1,274.7	1,191.6	1,175.2	4.1	3.6	-169.08	226.5	188.8	475.8	471.4	4.41	107.852					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF04E-04 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft) +E/-W (ft)		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	15.63	153.8	43.0	159.7					
100.0	100.0	100.0	100.0	0.1	0.1	15.63	153.8	43.0	159.7	159.5	0.23	682.888		
200.0	200.0	200.0	200.0	0.3	0.3	15.63	153.8	43.0	159.7	159.1	0.58	273.973		
300.0	300.0	300.0	300.0	0.5	0.5	15.63	153.8	43.0	159.7	158.8	0.93	171.362		
400.0	400.0	400.9	400.8	0.6	0.6	14.68	154.2	40.4	159.4	158.1	1.29	123.651		
480.8	480.8	482.0	481.7	0.8	0.8	177.53	155.1	34.5	159.4	157.8	1.60	99.417		
500.0	500.0	501.2	500.9	0.8	0.9	176.83	155.4	32.6	159.0	157.3	1.68	94.728 CC, ES		
600.0	599.9	600.4	599.2	1.0	1.1	170.11	157.5	19.7	162.7	160.6	2.12	76.734		
700.0	699.5	698.0	695.2	1.2	1.5	160.76	160.2	2.2	172.9	170.3	2.63	65.748		
800.0	798.4	793.5	788.1	1.5	1.9	153.69	163.6	-19.6	189.9	186.7	3.21	59.175		
900.0	896.5	886.5	877.4	1.8	2.4	147.67	167.6	-45.3	214.0	210.1	3.87	55.342		
1,000.0	993.5	976.7	962.6	2.2	3.0	142.54	172.2	-74.2	244.8	240.2	4.61	53.113		
1,100.0	1,089.0	1,063.7	1,043.5	2.8	3.6	138.20	177.1	-105.8	282.0	276.5	5.44	51.793		
1,200.0	1,182.8	1,147.3	1,119.8	3.4	4.2	134.50	182.4	-139.6	324.9	318.6	6.37	51.001		
1,300.0	1,274.7	1,227.5	1,191.4	4.1	5.0	131.31	188.0	-175.1	373.2	365.8	7.38	50.537		
1,400.0	1,364.5	1,300.0	1,254.9	4.8	5.6	129.00	193.4	-209.8	426.2	417.7	8.45	50.433		
1,500.0	1,453.8	1,378.0	1,321.6	5.6	6.5	127.74	199.7	-249.6	481.6	471.9	9.68	49.749 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF05A-03 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft
Survey Program:													0-MWD		Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
0.0	0.0	0.0	0.0	0.0	0.0	19.46	141.7	50.1	150.2								
100.0	100.0	100.0	100.0	0.1	0.1	19.46	141.7	50.1	150.2	150.0	0.23	642.438					
200.0	200.0	200.0	200.0	0.3	0.3	19.46	141.7	50.1	150.2	149.7	0.58	257.745	CC, ES				
300.0	300.0	295.1	295.1	0.5	0.5	20.15	142.5	52.3	151.9	150.9	0.93	163.219					
400.0	400.0	389.8	389.5	0.6	0.7	22.11	145.0	58.9	156.8	155.5	1.30	120.237					
500.0	500.0	483.5	482.4	0.8	0.9	-169.91	149.0	69.7	165.6	163.9	1.68	98.662					
600.0	599.9	575.3	572.9	1.0	1.3	-168.69	154.5	84.5	182.1	180.0	2.08	87.579					
700.0	699.5	668.5	664.0	1.2	1.6	-169.24	161.3	102.9	207.3	204.8	2.47	83.766					
800.0	798.4	763.1	756.4	1.5	2.0	-168.06	168.4	122.0	238.3	235.4	2.86	83.286	SF				
900.0	896.5	856.0	847.1	1.8	2.4	-166.89	175.4	140.7	274.5	271.3	3.24	84.833					
1,000.0	993.5	947.0	936.0	2.2	2.8	-165.96	182.2	159.1	315.6	312.0	3.60	87.598					
1,100.0	1,089.0	1,035.8	1,022.7	2.8	3.1	-165.27	188.9	177.0	361.4	357.4	3.97	91.135					
1,200.0	1,182.8	1,122.2	1,107.1	3.4	3.5	-164.76	195.4	194.4	411.7	407.4	4.33	95.184					
1,300.0	1,274.7	1,206.0	1,188.9	4.1	3.8	-164.38	201.7	211.2	466.3	461.6	4.68	99.585					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05A-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	15.59	134.6	37.5	139.7					
100.0	100.0	100.0	100.0	0.1	0.1	15.59	134.6	37.5	139.7	139.5	0.23	597.401		
200.0	200.0	200.0	200.0	0.3	0.3	15.59	134.6	37.5	139.7	139.1	0.58	239.676		
300.0	300.0	300.0	300.0	0.5	0.5	15.59	134.6	37.5	139.7	138.8	0.93	149.910		
400.0	400.0	401.2	401.2	0.6	0.6	14.50	134.8	34.9	139.3	138.0	1.29	107.953		
494.9	494.9	496.8	496.4	0.8	0.9	176.47	135.5	27.5	138.9	137.2	1.66	83.712		
500.0	500.0	501.9	501.5	0.8	0.9	176.24	135.6	26.9	138.4	136.7	1.68	82.388	CC, ES	
600.0	599.9	601.4	600.2	1.0	1.1	168.85	136.8	13.9	141.5	139.4	2.12	66.616		
700.0	699.5	699.5	696.6	1.2	1.5	158.75	138.5	-3.9	151.0	148.4	2.64	57.250		
800.0	798.4	795.5	790.0	1.5	1.9	151.03	140.5	-26.1	167.3	164.1	3.23	51.842		
900.0	896.5	889.2	879.9	1.8	2.4	144.54	143.0	-52.2	190.6	186.7	3.90	48.847		
1,000.0	993.5	980.1	965.9	2.2	3.0	139.13	145.8	-81.8	220.5	215.8	4.67	47.209		
1,100.0	1,089.0	1,068.2	1,047.6	2.8	3.6	134.66	148.8	-114.2	256.6	251.0	5.54	46.302		
1,200.0	1,182.8	1,153.0	1,124.9	3.4	4.3	130.94	152.0	-149.0	298.2	291.7	6.51	45.803		
1,300.0	1,274.7	1,234.6	1,197.7	4.1	5.0	127.79	155.5	-185.6	344.9	337.4	7.57	45.549		
1,400.0	1,364.5	1,312.8	1,266.0	4.8	5.8	125.49	159.0	-223.6	396.2	387.5	8.72	45.415		
1,500.0	1,453.8	1,388.4	1,330.4	5.6	6.6	124.34	162.7	-263.0	449.9	439.9	9.97	45.144	SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05B-03 H04 596 - DD - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			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	19.64	131.5	46.9	139.7					
100.0	100.0	100.0	100.0	0.1	0.1	19.64	131.5	46.9	139.7	139.4	0.23	597.192		
200.0	200.0	200.0	200.0	0.3	0.3	19.64	131.5	46.9	139.7	139.1	0.58	239.592		
300.0	300.0	300.0	300.0	0.5	0.5	19.64	131.5	46.9	139.7	138.7	0.93	149.857 CC, ES		
400.0	400.0	396.3	396.3	0.6	0.6	20.48	132.0	49.3	141.0	139.7	1.28	110.097		
500.0	500.0	492.2	491.8	0.8	0.8	-172.08	133.4	56.4	145.2	143.6	1.65	88.250		
600.0	599.9	586.7	585.6	1.0	1.1	-170.80	135.7	68.0	156.4	154.4	2.04	76.796		
700.0	699.5	678.8	676.3	1.2	1.4	-170.81	138.7	83.7	176.4	174.0	2.44	72.210		
800.0	798.4	773.5	769.0	1.5	1.7	-168.58	142.4	102.5	204.2	201.3	2.85	71.612 SF		
900.0	896.5	867.3	860.9	1.8	2.1	-166.64	146.0	121.2	237.4	234.2	3.25	73.052		
1,000.0	993.5	959.4	951.1	2.2	2.5	-165.18	149.6	139.5	275.8	272.1	3.64	75.678		
1,100.0	1,089.0	1,049.4	1,039.3	2.8	2.8	-164.15	153.1	157.4	318.9	314.9	4.04	79.009		
1,200.0	1,182.8	1,137.3	1,125.3	3.4	3.1	-163.42	156.5	174.9	366.6	362.2	4.43	82.775		
1,300.0	1,274.7	1,222.6	1,208.8	4.1	3.5	-162.90	159.8	191.9	418.7	413.9	4.82	86.822		
1,400.0	1,364.5	1,305.3	1,289.8	4.8	3.8	-162.65	163.0	208.3	474.9	469.6	5.24	90.670		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF05C-03 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor					
0.0	0.0	0.0	0.0	0.0	0.0	20.26	112.3	41.5	119.7								
100.0	100.0	100.0	100.0	0.1	0.1	20.26	112.3	41.5	119.7	119.5	0.23	511.934					
200.0	200.0	200.0	200.0	0.3	0.3	20.26	112.3	41.5	119.7	119.1	0.58	205.387					
300.0	300.0	300.0	300.0	0.5	0.5	20.26	112.3	41.5	119.7	118.8	0.93	128.463 CC, ES					
400.0	400.0	397.7	397.7	0.6	0.6	21.37	112.4	44.0	120.7	119.4	1.28	94.033					
500.0	500.0	494.9	494.6	0.8	0.8	-170.45	112.5	51.4	123.9	122.3	1.66	74.821					
600.0	599.9	590.8	589.7	1.0	1.1	-168.12	112.7	63.6	133.7	131.6	2.06	64.833					
700.0	699.5	684.5	681.9	1.2	1.4	-167.03	112.9	80.0	152.1	149.6	2.49	60.995					
800.0	798.4	779.6	775.0	1.5	1.8	-163.97	113.2	99.6	178.3	175.3	2.92	60.974 SF					
900.0	896.5	873.9	867.3	1.8	2.1	-161.59	113.5	119.1	210.0	206.7	3.35	62.675					
1,000.0	993.5	966.7	958.0	2.2	2.5	-159.96	113.8	138.3	246.9	243.1	3.78	65.264					
1,100.0	1,089.0	1,057.5	1,046.9	2.8	2.9	-158.90	114.1	157.0	288.4	284.2	4.22	68.310					
1,200.0	1,182.8	1,146.3	1,133.7	3.4	3.2	-158.25	114.3	175.4	334.4	329.7	4.67	71.600					
1,300.0	1,274.7	1,232.7	1,218.3	4.1	3.6	-157.84	114.6	193.2	384.7	379.6	5.13	75.030					
1,400.0	1,364.5	1,316.6	1,300.4	4.8	3.9	-157.75	114.9	210.5	439.0	433.4	5.61	78.269					
1,500.0	1,453.8	1,399.9	1,381.8	5.6	4.2	-158.05	115.1	227.7	494.4	488.3	6.15	80.453					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05D-03 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	21.13	93.1	36.0	99.8					
100.0	100.0	100.0	100.0	0.1	0.1	21.13	93.1	36.0	99.8	99.6	0.23	426.761		
200.0	200.0	200.0	200.0	0.3	0.3	21.13	93.1	36.0	99.8	99.2	0.58	171.216		
300.0	300.0	300.0	300.0	0.5	0.5	21.13	93.1	36.0	99.8	98.9	0.93	107.090 CC		
400.0	400.0	399.8	399.8	0.6	0.6	22.63	92.2	38.4	99.9	98.6	1.29	77.623 ES		
500.0	500.0	497.8	497.5	0.8	0.9	-168.13	90.2	45.7	101.3	99.7	1.67	60.756		
600.0	599.9	594.6	593.5	1.0	1.1	-164.40	87.8	57.9	109.2	107.1	2.09	52.323		
700.0	699.5	689.4	686.7	1.2	1.4	-161.99	85.0	74.4	125.9	123.3	2.54	49.501 SF		
800.0	798.4	784.8	780.0	1.5	1.8	-158.05	81.9	94.1	150.6	147.6	3.00	50.259		
900.0	896.5	879.7	872.8	1.8	2.2	-155.34	78.8	113.8	180.9	177.4	3.46	52.324		
1,000.0	993.5	973.1	964.1	2.2	2.5	-153.71	75.7	133.2	216.0	212.1	3.93	54.934		
1,100.0	1,089.0	1,064.9	1,053.8	2.8	2.9	-152.83	72.7	152.3	255.7	251.3	4.43	57.750		
1,200.0	1,182.8	1,154.7	1,141.6	3.4	3.3	-152.43	69.8	170.9	299.7	294.7	4.94	60.649		
1,300.0	1,274.7	1,242.3	1,227.3	4.1	3.6	-152.30	67.0	189.1	347.9	342.4	5.47	63.590		
1,400.0	1,364.5	1,327.5	1,310.6	4.8	4.0	-152.51	64.2	206.8	400.0	393.9	6.03	66.380		
1,500.0	1,453.8	1,412.1	1,393.4	5.6	4.3	-153.12	61.4	224.4	453.1	446.5	6.63	68.361		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF05E-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	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	386.853		
200.0	200.0	200.0	200.0	0.3	0.3	21.82	84.0	33.6	90.5	89.9	0.58	155.205		
300.0	300.0	300.1	300.0	0.5	0.5	22.89	83.3	35.2	90.4	89.5	0.94	96.677		
317.9	317.9	318.0	317.9	0.5	0.5	23.42	83.0	35.9	90.4	89.4	1.00	90.110 CC		
400.0	400.0	399.7	399.4	0.6	0.7	27.17	80.6	41.4	90.6	89.3	1.32	68.827 ES		
500.0	500.0	498.4	497.4	0.8	0.9	-160.51	75.9	52.2	92.4	90.6	1.75	52.709		
600.0	599.9	595.6	593.2	1.0	1.3	-153.99	69.4	67.4	100.6	98.3	2.23	45.020		
700.0	699.5	691.8	687.1	1.2	1.7	-149.73	61.1	86.5	117.4	114.7	2.72	43.106 SF		
800.0	798.4	788.3	781.2	1.5	2.1	-145.68	52.5	106.3	140.9	137.6	3.22	43.769		
900.0	896.5	883.9	874.3	1.8	2.5	-143.30	44.0	126.0	169.3	165.5	3.74	45.288		
1,000.0	993.5	978.3	966.4	2.2	2.9	-142.18	35.6	145.4	202.0	197.7	4.30	47.024		
1,100.0	1,089.0	1,071.3	1,057.0	2.8	3.3	-141.88	27.3	164.5	238.7	233.8	4.89	48.790		
1,200.0	1,182.8	1,162.6	1,146.0	3.4	3.7	-142.06	19.2	183.3	279.4	273.9	5.52	50.574		
1,300.0	1,274.7	1,252.0	1,233.1	4.1	4.0	-142.51	11.2	201.6	323.9	317.7	6.18	52.402		
1,400.0	1,364.5	1,339.3	1,318.1	4.8	4.4	-143.30	3.5	219.6	372.2	365.3	6.87	54.197		
1,500.0	1,453.8	1,426.0	1,402.6	5.6	4.8	-144.47	-4.3	237.4	421.5	413.9	7.59	55.508		
1,600.0	1,543.0	1,512.7	1,487.1	6.4	5.2	-145.40	-12.0	255.2	470.9	462.6	8.32	56.625		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF06B-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	15.54	115.4	32.1	119.7					
100.0	100.0	100.0	100.0	0.1	0.1	15.54	115.4	32.1	119.7	119.5	0.23	511.950		
200.0	200.0	200.0	200.0	0.3	0.3	15.54	115.4	32.1	119.7	119.1	0.58	205.393		
300.0	300.0	301.4	301.3	0.5	0.5	14.28	115.5	29.4	119.1	118.2	0.94	126.216		
400.0	400.0	402.2	401.8	0.6	0.7	10.47	115.7	21.4	117.7	116.4	1.34	87.646		
486.9	486.9	489.0	487.9	0.8	1.0	170.09	116.1	10.3	117.1	115.3	1.74	67.144		
500.0	500.0	501.9	500.7	0.8	1.0	169.09	116.2	8.3	116.7	114.9	1.81	64.622 CC, ES		
600.0	599.9	600.0	597.1	1.0	1.4	158.67	116.9	-9.6	121.1	118.8	2.33	51.884		
700.0	699.5	696.4	690.8	1.2	1.8	146.33	117.7	-32.0	133.4	130.5	2.92	45.639		
800.0	798.4	790.5	781.2	1.5	2.3	137.43	118.6	-58.4	153.4	149.9	3.57	42.989		
900.0	896.5	882.2	867.8	1.8	2.9	130.67	119.7	-88.4	180.5	176.2	4.29	42.096		
1,000.0	993.5	971.1	950.3	2.2	3.6	125.52	120.9	-121.4	213.8	208.7	5.10	41.947		
1,100.0	1,089.0	1,057.1	1,028.6	2.8	4.3	121.55	122.2	-156.9	252.7	246.7	6.01	42.067		
1,200.0	1,182.8	1,140.0	1,102.5	3.4	5.0	118.42	123.6	-194.5	296.4	289.4	7.01	42.257		
1,300.0	1,274.7	1,221.1	1,173.2	4.1	5.8	115.84	125.0	-234.2	344.5	336.4	8.11	42.476		
1,400.0	1,364.5	1,307.3	1,247.7	4.8	6.6	114.44	126.6	-277.6	395.1	385.8	9.33	42.353		
1,500.0	1,453.8	1,393.2	1,321.9	5.6	7.5	114.50	128.2	-320.8	446.3	435.6	10.64	41.963		
1,600.0	1,543.0	1,479.2	1,396.2	6.4	8.3	114.55	129.7	-364.0	497.4	485.5	11.95	41.619 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF06E-04 H04 596 (was 07E-04) - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance					Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	15.47	96.1	26.6	99.7					
100.0	100.0	100.0	100.0	0.1	0.1	15.47	96.1	26.6	99.7	99.5	0.23	426.429		
200.0	200.0	200.0	200.0	0.3	0.3	15.47	96.1	26.6	99.7	99.1	0.58	171.082		
300.0	300.0	303.3	303.3	0.5	0.5	14.20	95.0	24.0	98.0	97.1	0.95	103.555		
400.0	400.0	406.1	405.7	0.6	0.7	10.18	91.6	16.4	93.2	91.9	1.35	69.157		
500.0	500.0	507.6	506.3	0.8	1.0	167.70	86.1	4.0	86.6	84.8	1.79	48.298		
597.5	597.4	605.3	602.2	1.0	1.4	154.99	78.7	-12.5	83.4	81.1	2.33	35.863 CC, ES		
600.0	599.9	607.7	604.6	1.0	1.4	154.63	78.5	-13.0	83.4	81.1	2.34	35.663		
700.0	699.5	706.5	701.3	1.2	1.8	140.50	70.3	-31.4	87.2	84.3	2.92	29.875		
800.0	798.4	805.5	798.2	1.5	2.1	132.17	62.1	-49.9	96.7	93.1	3.53	27.396		
900.0	896.5	904.4	895.0	1.8	2.5	127.93	53.9	-68.4	110.1	105.9	4.19	26.294		
1,000.0	993.5	1,003.0	991.5	2.2	2.9	126.59	45.7	-86.9	126.7	121.8	4.91	25.823		
1,100.0	1,089.0	1,101.0	1,087.5	2.8	3.3	127.16	37.5	-105.2	146.3	140.6	5.68	25.769 SF		
1,200.0	1,182.8	1,198.1	1,182.5	3.4	3.7	128.88	29.4	-123.3	169.0	162.5	6.47	26.100		
1,300.0	1,274.7	1,294.1	1,276.5	4.1	4.1	131.20	21.4	-141.3	195.2	187.9	7.28	26.815		
1,400.0	1,364.5	1,388.8	1,369.2	4.8	4.5	133.96	13.6	-159.0	225.1	217.0	8.06	27.914		
1,500.0	1,453.8	1,483.1	1,461.5	5.6	4.8	136.75	5.7	-176.6	256.4	247.6	8.82	29.056		
1,600.0	1,543.0	1,577.4	1,553.8	6.4	5.2	138.94	-2.1	-194.3	288.2	278.6	9.57	30.110		
1,700.0	1,632.2	1,671.7	1,646.1	7.2	5.6	140.70	-10.0	-211.9	320.2	309.9	10.31	31.074		
1,800.0	1,721.4	1,766.0	1,738.4	8.0	6.0	142.13	-17.8	-229.5	352.5	341.5	11.03	31.951		
1,900.0	1,810.7	1,860.3	1,830.8	8.8	6.3	143.33	-25.6	-247.1	385.0	373.2	11.76	32.750		
2,000.0	1,899.9	1,954.6	1,923.1	9.7	6.7	144.34	-33.5	-264.8	417.6	405.1	12.47	33.477		
2,100.0	1,989.1	2,048.9	2,015.4	10.5	7.1	145.21	-41.3	-282.4	450.3	437.1	13.19	34.141		
2,200.0	2,078.4	2,143.2	2,107.7	11.3	7.5	145.96	-49.2	-300.0	483.0	469.1	13.90	34.749		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07A-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
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	15.52	143.7	39.9	149.1					
100.0	100.0	100.0	100.0	0.1	0.1	15.52	143.7	39.9	149.1	148.9	0.23	637.621		
200.0	200.0	200.0	200.0	0.3	0.3	15.52	143.7	39.9	149.1	148.5	0.58	255.812		
300.0	300.0	300.0	300.0	0.5	0.5	15.52	143.7	39.9	149.1	148.2	0.93	160.002		
400.0	400.0	400.0	400.0	0.6	0.6	15.52	143.7	39.9	149.1	147.8	1.28	116.405 CC, ES		
500.0	500.0	496.2	496.2	0.8	0.8	179.71	145.4	38.2	150.5	148.9	1.63	92.524		
600.0	599.9	596.3	596.0	1.0	1.0	174.97	149.4	32.1	157.0	155.0	2.00	78.532		
700.0	699.5	695.4	694.4	1.2	1.3	167.27	154.2	20.9	168.6	166.2	2.41	69.992		
800.0	798.4	792.8	790.3	1.5	1.6	161.43	159.5	5.1	186.0	183.1	2.88	64.609		
900.0	896.5	889.3	884.8	1.8	1.9	156.71	165.1	-13.5	209.1	205.7	3.37	61.956		
1,000.0	993.5	984.8	978.3	2.2	2.3	153.52	170.7	-31.9	237.3	233.4	3.90	60.823		
1,100.0	1,089.0	1,079.1	1,070.7	2.8	2.6	151.44	176.2	-50.1	270.1	265.7	4.46	60.554 SF		
1,200.0	1,182.8	1,172.0	1,161.7	3.4	3.0	150.16	181.7	-67.9	307.2	302.2	5.05	60.815		
1,300.0	1,274.7	1,263.1	1,250.9	4.1	3.3	149.43	187.0	-85.5	348.4	342.8	5.67	61.450		
1,400.0	1,364.5	1,352.3	1,338.3	4.8	3.7	149.31	192.2	-102.7	393.5	387.2	6.32	62.292		
1,500.0	1,453.8	1,440.9	1,425.1	5.6	4.0	149.85	197.4	-119.8	439.6	432.6	7.00	62.809		
1,600.0	1,543.0	1,529.6	1,512.0	6.4	4.4	150.29	202.6	-136.8	485.7	478.0	7.68	63.207		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF07B-03 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth 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	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	557.159					
200.0	200.0	200.0	200.0	0.3	0.3	20.01	122.4	44.6	130.3	129.7	0.58	223.531	CC, ES				
300.0	300.0	297.4	297.4	0.5	0.5	21.02	122.5	47.1	131.3	130.3	0.94	140.255					
400.0	400.0	394.4	394.0	0.6	0.7	23.92	122.8	54.5	134.4	133.1	1.32	101.610					
500.0	500.0	490.3	489.2	0.8	1.0	-166.61	123.2	66.6	140.6	138.9	1.73	81.136					
600.0	599.9	584.4	581.8	1.0	1.3	-163.65	123.8	83.1	154.0	151.8	2.18	70.698					
700.0	699.5	675.8	670.9	1.2	1.7	-162.55	124.4	103.5	176.6	173.9	2.64	66.990	SF				
800.0	798.4	763.5	755.4	1.5	2.2	-159.58	125.3	127.1	208.1	205.0	3.09	67.271					
900.0	896.5	846.9	834.6	1.8	2.7	-156.63	126.1	153.0	248.2	244.7	3.55	69.848					
1,000.0	993.5	925.3	908.0	2.2	3.2	-154.03	127.1	180.6	296.2	292.2	4.02	73.667					
1,100.0	1,089.0	1,000.0	976.8	2.8	3.8	-151.75	128.1	209.6	351.2	346.7	4.50	77.969					
1,200.0	1,182.8	1,066.2	1,036.8	3.4	4.3	-149.76	129.0	237.6	412.7	407.7	5.01	82.440					
1,300.0	1,274.7	1,128.4	1,092.2	4.1	4.9	-147.86	130.0	265.7	479.8	474.3	5.53	86.766					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07B-04 H04 596 - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	15.46	124.5	34.4	129.1					
100.0	100.0	100.0	100.0	0.1	0.1	15.46	124.5	34.4	129.1	128.9	0.23	552.153		
200.0	200.0	200.0	200.0	0.3	0.3	15.46	124.5	34.4	129.1	128.6	0.58	221.523		
300.0	300.0	300.0	300.0	0.5	0.5	15.46	124.5	34.4	129.1	128.2	0.93	138.555		
333.7	333.7	333.7	333.7	0.5	0.5	15.46	124.5	34.4	129.1	128.1	1.05	123.034 CC, ES		
400.0	400.0	398.7	398.7	0.6	0.6	15.71	124.5	35.0	129.4	128.1	1.28	101.137		
500.0	500.0	498.0	497.9	0.8	0.8	-177.73	125.1	38.9	131.2	129.6	1.63	80.470		
600.0	599.9	599.6	599.5	1.0	1.0	179.90	126.1	38.9	136.1	134.1	1.98	68.861		
700.0	699.5	700.6	700.4	1.2	1.2	173.91	127.5	33.6	145.0	142.7	2.33	62.357		
800.0	798.4	800.7	799.9	1.5	1.4	169.08	129.1	23.1	158.3	155.6	2.70	58.567		
900.0	896.5	899.4	897.3	1.8	1.6	164.24	131.1	7.7	176.5	173.3	3.14	56.199		
1,000.0	993.5	996.0	992.2	2.2	1.9	159.95	133.2	-10.7	200.0	196.3	3.63	55.092		
1,100.0	1,089.0	1,091.5	1,085.8	2.8	2.3	157.00	135.3	-29.0	228.6	224.5	4.16	54.941 SF		
1,200.0	1,182.8	1,185.6	1,178.2	3.4	2.6	155.08	137.4	-47.0	262.0	257.3	4.73	55.405		
1,300.0	1,274.7	1,278.1	1,269.0	4.1	2.9	153.88	139.5	-64.7	299.8	294.5	5.33	56.299		
1,400.0	1,364.5	1,368.9	1,358.1	4.8	3.2	153.40	141.5	-82.1	341.7	335.8	5.95	57.440		
1,500.0	1,453.8	1,459.2	1,446.7	5.6	3.6	153.55	143.5	-99.4	384.7	378.1	6.61	58.216		
1,600.0	1,543.0	1,549.5	1,535.3	6.4	3.9	153.68	145.5	-116.7	427.7	420.4	7.27	58.786		
1,700.0	1,632.2	1,639.8	1,623.9	7.2	4.2	153.78	147.5	-134.0	470.6	462.7	7.95	59.216		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07C-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							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	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	471.949		
200.0	200.0	200.0	200.0	0.3	0.3	20.75	103.2	39.1	110.4	109.8	0.58	189.345	CC, ES	
300.0	300.0	298.0	298.0	0.5	0.5	21.98	103.1	41.6	111.2	110.3	0.94	118.697		
400.0	400.0	395.6	395.2	0.6	0.7	25.50	102.9	49.1	114.2	112.8	1.33	86.064		
500.0	500.0	492.1	491.0	0.8	1.0	-164.11	102.6	61.4	120.1	118.3	1.74	69.007		
600.0	599.9	586.9	584.2	1.0	1.3	-160.27	102.2	78.1	133.3	131.2	2.19	60.972		
700.0	699.5	678.9	673.9	1.2	1.7	-158.56	101.6	98.8	155.8	153.2	2.64	58.941	SF	
800.0	798.4	767.3	759.0	1.5	2.2	-155.28	101.0	122.7	187.4	184.3	3.10	60.342		
900.0	896.5	851.5	838.9	1.8	2.7	-152.25	100.2	149.1	227.3	223.7	3.58	63.576		
1,000.0	993.5	930.8	913.1	2.2	3.2	-149.69	99.5	177.2	274.9	270.9	4.06	67.679		
1,100.0	1,089.0	1,000.0	976.8	2.8	3.8	-147.60	98.8	204.2	329.5	325.0	4.55	72.423		
1,200.0	1,182.8	1,073.7	1,043.6	3.4	4.4	-145.58	97.9	235.4	390.3	385.2	5.11	76.328		
1,300.0	1,274.7	1,137.0	1,099.9	4.1	5.0	-143.76	97.1	264.3	456.7	451.0	5.68	80.355		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07C-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	15.38	105.2	28.9	109.1					
100.0	100.0	100.0	100.0	0.1	0.1	15.38	105.2	28.9	109.1	108.9	0.23	466.668		
200.0	200.0	200.0	200.0	0.3	0.3	15.38	105.2	28.9	109.1	108.6	0.58	187.226		
300.0	300.0	300.0	300.0	0.5	0.5	15.38	105.2	28.9	109.1	108.2	0.93	117.104		
400.0	400.0	401.9	401.8	0.6	0.7	14.03	105.0	26.2	108.3	107.0	1.29	83.818		
500.0	500.0	503.2	502.8	0.8	0.9	174.89	104.4	18.2	106.1	104.5	1.68	63.137		
527.4	527.4	530.9	530.3	0.9	0.9	171.83	104.1	15.0	105.9	104.1	1.80	58.745 CC, ES		
600.0	599.9	603.5	602.3	1.0	1.1	166.00	103.3	5.0	107.4	105.3	2.13	50.470		
700.0	699.5	702.5	699.7	1.2	1.5	154.50	101.9	-12.5	114.7	112.1	2.63	43.665		
800.0	798.4	801.0	796.4	1.5	1.8	147.39	100.4	-30.6	127.9	124.8	3.15	40.595		
900.0	896.5	899.0	892.8	1.8	2.1	143.23	99.0	-48.5	146.0	142.3	3.71	39.346		
1,000.0	993.5	996.5	988.6	2.2	2.5	141.15	97.5	-66.3	168.3	164.0	4.31	39.011 SF		
1,100.0	1,089.0	1,093.0	1,083.5	2.8	2.8	140.46	96.1	-84.0	194.4	189.5	4.96	39.222		
1,200.0	1,182.8	1,188.3	1,177.2	3.4	3.2	140.66	94.7	-101.4	224.4	218.8	5.63	39.845		
1,300.0	1,274.7	1,282.2	1,269.5	4.1	3.5	141.37	93.3	-118.6	258.2	251.9	6.33	40.822		
1,400.0	1,364.5	1,374.4	1,360.2	4.8	3.9	142.59	91.9	-135.5	295.8	288.8	7.03	42.103		
1,500.0	1,453.8	1,466.3	1,450.4	5.6	4.2	144.19	90.6	-152.3	334.6	326.9	7.74	43.261		
1,600.0	1,543.0	1,558.1	1,540.7	6.4	4.5	145.46	89.2	-169.1	373.6	365.2	8.44	44.273		
1,700.0	1,632.2	1,649.9	1,630.9	7.2	4.9	146.49	87.8	-185.9	412.8	403.6	9.14	45.162		
1,800.0	1,721.4	1,741.7	1,721.1	8.0	5.2	147.34	86.5	-202.7	452.0	442.1	9.84	45.950		
1,900.0	1,810.7	1,833.5	1,811.4	8.8	5.5	148.06	85.1	-219.5	491.2	480.7	10.53	46.651		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF07E-03 H04 596 - DD - Plan #1												Offset Site Error: 0.0 ft	
Survey Program: 0-MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis		Separation Factor
0.0	0.0	0.0	0.0	0.0	0.0	15.75	86.0	24.2	89.4				
100.0	100.0	100.0	100.0	0.1	0.1	15.75	86.0	24.2	89.4	89.1	0.23	382.078	
200.0	200.0	200.0	200.0	0.3	0.3	15.75	86.0	24.2	89.4	88.8	0.58	153.289	
300.0	300.0	300.0	300.0	0.5	0.5	15.75	86.0	24.2	89.4	88.4	0.93	95.877	
400.0	400.0	400.0	400.0	0.6	0.6	15.75	86.0	24.2	89.4	88.1	1.28	69.753 CC, ES	
500.0	500.0	496.2	496.1	0.8	0.8	-178.40	87.6	26.1	91.6	90.0	1.62	56.381	
600.0	599.9	593.2	592.9	1.0	1.0	-178.24	91.9	31.8	101.5	99.6	1.97	51.452	
700.0	699.5	690.7	689.7	1.2	1.2	-177.92	95.7	42.2	118.1	115.8	2.34	50.440 SF	
800.0	798.4	785.8	783.6	1.5	1.5	-174.29	98.2	57.0	141.5	138.8	2.73	51.821	
900.0	896.5	877.7	873.7	1.8	1.9	-170.06	99.7	75.6	172.2	169.1	3.14	54.785	
1,000.0	993.5	965.8	959.0	2.2	2.2	-166.06	100.0	97.3	210.4	206.8	3.59	58.681	
1,100.0	1,089.0	1,049.5	1,039.1	2.8	2.7	-162.54	99.5	121.5	255.7	251.6	4.06	62.991	
1,200.0	1,182.8	1,128.4	1,113.6	3.4	3.2	-159.48	98.2	147.4	307.8	303.2	4.57	67.349	
1,300.0	1,274.7	1,200.0	1,180.3	4.1	3.6	-156.84	96.3	173.5	366.0	360.9	5.10	71.704	
1,400.0	1,364.5	1,270.9	1,245.3	4.8	4.2	-154.59	93.8	201.6	429.8	424.1	5.74	74.908	
1,500.0	1,453.8	1,336.2	1,304.2	5.6	4.7	-153.18	91.0	229.6	496.2	489.8	6.45	76.963	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF10A-03 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft
Survey Program: 0-MWD															Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance									Warning	
Measured Depth 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	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	301.934					
200.0	200.0	200.0	200.0	0.3	0.3	23.50	64.8	28.2	70.6	70.0	0.58	121.136	CC, ES				
300.0	300.0	299.1	299.1	0.5	0.5	25.52	64.3	30.7	71.2	70.3	0.94	75.821					
400.0	400.0	397.7	397.4	0.6	0.7	31.31	62.8	38.2	73.5	72.2	1.33	55.211					
500.0	500.0	495.3	494.1	0.8	1.0	-155.11	60.4	50.5	79.1	77.3	1.75	45.205					
600.0	599.9	591.1	588.4	1.0	1.3	-148.64	57.1	67.3	92.4	90.2	2.19	42.186	SF				
700.0	699.5	684.5	679.3	1.2	1.7	-145.67	53.0	88.1	115.0	112.3	2.64	43.567					
800.0	798.4	774.4	765.8	1.5	2.2	-142.21	48.3	112.3	146.2	143.1	3.11	47.054					
900.0	896.5	860.4	847.3	1.8	2.8	-139.53	43.0	139.1	185.3	181.7	3.61	51.300					
1,000.0	993.5	941.9	923.4	2.2	3.3	-137.51	37.4	167.8	231.5	227.3	4.16	55.618					
1,100.0	1,089.0	1,018.6	993.7	2.8	3.9	-135.87	31.5	197.7	284.1	279.3	4.76	59.703					
1,200.0	1,182.8	1,090.2	1,058.3	3.4	4.5	-134.42	25.5	228.1	342.5	337.1	5.40	63.406					
1,300.0	1,274.7	1,156.7	1,117.2	4.1	5.2	-133.01	19.6	258.4	406.2	400.1	6.09	66.664					
1,400.0	1,364.5	1,218.2	1,170.7	4.8	5.8	-132.09	13.7	288.3	474.6	467.8	6.84	69.354					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10A-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	15.36	76.9	21.1	79.7					
100.0	100.0	100.0	100.0	0.1	0.1	15.36	76.9	21.1	79.7	79.5	0.23	340.979		
200.0	200.0	200.0	200.0	0.3	0.3	15.36	76.9	21.1	79.7	79.2	0.58	136.800		
300.0	300.0	303.1	303.1	0.5	0.5	14.01	75.4	18.8	77.7	76.8	0.94	82.264		
400.0	400.0	405.7	405.3	0.6	0.7	9.54	70.8	11.9	72.0	70.6	1.34	53.700		
500.0	500.0	507.1	505.8	0.8	1.0	165.58	63.3	0.6	63.7	61.9	1.77	35.978		
600.0	599.9	607.3	604.2	1.0	1.4	149.20	53.0	-14.9	58.8	56.4	2.33	25.232		
622.0	621.8	629.1	625.5	1.0	1.5	144.33	50.4	-18.9	58.6	56.1	2.46	23.767 CC, ES		
700.0	699.5	706.2	700.8	1.2	1.8	130.69	41.2	-32.8	60.9	57.9	2.95	20.649		
800.0	798.4	805.4	797.6	1.5	2.2	120.08	29.3	-50.7	68.7	65.2	3.59	19.126		
900.0	896.5	904.6	894.5	1.8	2.6	115.55	17.5	-68.6	79.9	75.6	4.30	18.561		
1,000.0	993.5	1,003.7	991.3	2.2	3.0	115.14	5.6	-86.5	93.1	88.0	5.09	18.310 SF		
1,100.0	1,089.0	1,102.4	1,087.6	2.8	3.4	117.28	-6.2	-104.3	108.5	102.6	5.93	18.312		
1,200.0	1,182.8	1,200.4	1,183.2	3.4	3.8	120.84	-17.9	-122.0	126.6	119.9	6.79	18.651		
1,300.0	1,274.7	1,297.3	1,277.9	4.1	4.2	125.02	-29.5	-139.5	148.1	140.4	7.64	19.394		
1,400.0	1,364.5	1,393.1	1,371.4	4.8	4.6	129.47	-41.0	-156.8	173.3	164.9	8.42	20.575		
1,500.0	1,453.8	1,488.6	1,464.6	5.6	5.0	133.48	-52.4	-174.0	200.3	191.2	9.16	21.870		
1,600.0	1,543.0	1,584.0	1,557.8	6.4	5.4	136.54	-63.8	-191.2	228.1	218.2	9.87	23.098		
1,700.0	1,632.2	1,679.4	1,650.9	7.2	5.8	138.94	-75.2	-208.4	256.3	245.7	10.57	24.238		
1,800.0	1,721.4	1,774.9	1,744.1	8.0	6.2	140.86	-86.6	-225.7	284.8	273.5	11.26	25.286		
1,900.0	1,810.7	1,870.3	1,837.3	8.8	6.6	142.43	-98.0	-242.9	313.6	301.6	11.95	26.245		
2,000.0	1,899.9	1,965.8	1,930.5	9.7	7.0	143.74	-109.5	-260.1	342.5	329.9	12.63	27.122		
2,100.0	1,989.1	2,061.2	2,023.7	10.5	7.4	144.85	-120.9	-277.3	371.6	358.3	13.31	27.925		
2,200.0	2,078.4	2,156.7	2,116.8	11.3	7.8	145.80	-132.3	-294.6	400.9	386.9	13.99	28.662		
2,300.0	2,167.6	2,252.1	2,210.0	12.1	8.2	146.62	-143.7	-311.8	430.2	415.5	14.66	29.338		
2,400.0	2,256.8	2,347.5	2,303.2	12.9	8.6	147.33	-155.1	-329.0	459.5	444.2	15.34	29.961		
2,500.0	2,346.0	2,443.0	2,396.4	13.7	9.0	147.96	-166.5	-346.2	488.9	472.9	16.01	30.537		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10B-03 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
							+N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	15.70	66.8	18.8	69.4					
100.0	100.0	100.0	100.0	0.1	0.1	15.70	66.8	18.8	69.4	69.1	0.23	296.609		
200.0	200.0	200.0	200.0	0.3	0.3	15.70	66.8	18.8	69.4	68.8	0.58	118.999		
300.0	300.0	300.0	300.0	0.5	0.5	15.70	66.8	18.8	69.4	68.4	0.93	74.430		
400.0	400.0	400.0	400.0	0.6	0.6	15.70	66.8	18.8	69.4	68.1	1.28	54.149 CC		
455.6	455.6	455.6	455.6	0.7	0.7	-179.30	66.8	18.8	69.6	68.1	1.47	47.168		
500.0	500.0	500.0	500.0	0.8	0.8	-179.30	66.8	18.8	69.5	67.9	1.63	42.657 ES		
600.0	599.9	599.9	599.9	1.0	1.0	178.47	66.8	18.8	73.5	71.5	1.98	37.165		
700.0	699.5	699.3	699.2	1.2	1.2	176.73	66.1	21.3	82.7	80.3	2.32	35.604 SF		
800.0	798.4	797.3	797.0	1.5	1.4	-179.70	64.2	28.6	97.7	95.0	2.68	36.495		
900.0	896.5	893.1	892.0	1.8	1.6	-174.49	61.1	40.5	119.6	116.6	3.06	39.055		
1,000.0	993.5	985.9	983.3	2.2	1.9	-169.28	57.0	56.4	149.0	145.5	3.49	42.637		
1,100.0	1,089.0	1,075.0	1,070.1	2.8	2.2	-164.72	51.9	75.6	185.9	181.9	3.98	46.676		
1,200.0	1,182.8	1,159.7	1,151.7	3.4	2.6	-160.88	46.2	97.6	230.0	225.5	4.53	50.759		
1,300.0	1,274.7	1,239.7	1,227.8	4.1	3.1	-157.66	39.9	121.5	281.0	275.8	5.14	54.648		
1,400.0	1,364.5	1,314.9	1,298.3	4.8	3.5	-155.10	33.4	146.7	338.0	332.1	5.82	58.091		
1,500.0	1,453.8	1,386.6	1,364.6	5.6	4.0	-153.26	26.4	173.3	397.9	391.3	6.59	60.422		
1,600.0	1,543.0	1,455.6	1,427.2	6.4	4.6	-151.59	19.1	201.1	459.8	452.4	7.40	62.128		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												H04 596 Pad - UWF10C-03 H04 596 - DD - Plan #1		Offset Site Error:		0.0 ft
Survey Program: 0-MWD														Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance								Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor				
0.0	0.0	0.0	0.0	0.0	0.0	25.29	54.6	25.8	60.4							
100.0	100.0	100.0	100.0	0.1	0.1	25.29	54.6	25.8	60.4	60.2	0.23	258.384				
134.5	134.5	134.5	134.5	0.2	0.2	25.29	54.6	25.8	60.4	60.1	0.35	170.539	CC			
200.0	200.0	199.6	199.6	0.3	0.3	25.87	54.5	26.4	60.6	60.0	0.58	103.936	ES			
300.0	300.0	298.5	298.3	0.5	0.5	30.42	53.6	31.5	62.2	61.3	0.96	65.124				
400.0	400.0	396.6	395.9	0.6	0.7	38.63	51.9	41.5	66.5	65.2	1.38	48.362				
500.0	500.0	493.4	491.6	0.8	1.1	-146.30	49.3	56.1	75.3	73.5	1.78	42.380				
600.0	599.9	588.9	585.1	1.0	1.4	-139.66	45.4	75.1	92.0	89.8	2.21	41.701	SF			
700.0	699.5	681.8	675.0	1.2	1.9	-137.23	39.9	97.7	117.2	114.5	2.64	44.312				
800.0	798.4	771.4	760.6	1.5	2.4	-134.39	33.2	123.4	150.3	147.1	3.12	48.208				
900.0	896.5	857.2	841.3	1.8	3.0	-132.19	25.4	151.4	190.4	186.7	3.64	52.302				
1,000.0	993.5	938.8	916.7	2.2	3.6	-130.48	16.7	181.2	236.9	232.6	4.22	56.112				
1,100.0	1,089.0	1,015.8	986.7	2.8	4.2	-129.06	7.4	212.0	289.2	284.4	4.86	59.491				
1,200.0	1,182.8	1,088.3	1,051.3	3.4	4.9	-127.74	-2.3	243.4	347.0	341.4	5.56	62.382				
1,300.0	1,274.7	1,156.0	1,110.5	4.1	5.6	-126.41	-12.1	274.7	409.6	403.2	6.32	64.816				
1,400.0	1,364.5	1,219.1	1,164.6	4.8	6.2	-125.59	-22.0	305.7	476.5	469.4	7.14	66.712				

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10C-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	14.81	38.4	10.2	39.8					
100.0	100.0	100.0	100.0	0.1	0.1	14.81	38.4	10.2	39.8	39.5	0.23	170.054		
200.0	200.0	200.0	200.0	0.3	0.3	14.81	38.4	10.2	39.8	39.2	0.58	68.226		
300.0	300.0	300.4	300.4	0.5	0.5	14.47	38.3	9.9	39.5	38.6	0.93	42.355		
400.0	400.0	401.2	401.1	0.6	0.6	11.54	36.7	7.5	37.5	36.2	1.29	29.114		
500.0	500.0	501.7	501.5	0.8	0.8	169.74	33.6	2.8	33.9	32.3	1.65	20.572		
568.3	568.3	570.2	569.8	0.9	1.0	160.93	30.7	-1.8	32.9	31.0	1.91	17.192 CC, ES		
600.0	599.9	602.0	601.4	1.0	1.1	157.20	29.0	-4.3	33.2	31.1	2.04	16.274		
700.0	699.5	702.1	700.9	1.2	1.3	143.69	22.9	-13.7	36.7	34.3	2.47	14.854		
800.0	798.4	802.0	799.8	1.5	1.6	135.93	15.3	-25.4	44.1	41.1	2.98	14.792 SF		
900.0	896.5	901.7	898.1	1.8	1.9	132.01	6.2	-39.4	54.6	51.0	3.57	15.283		
1,000.0	993.5	1,001.0	995.5	2.2	2.3	130.46	-4.3	-55.6	68.1	63.8	4.26	15.969		
1,100.0	1,089.0	1,100.0	1,092.0	2.8	2.7	130.22	-16.2	-74.0	84.4	79.3	5.05	16.717		
1,200.0	1,182.8	1,198.5	1,187.5	3.4	3.2	130.65	-29.6	-94.6	103.5	97.6	5.92	17.477		
1,300.0	1,274.7	1,296.6	1,281.8	4.1	3.7	131.37	-44.3	-117.2	125.4	118.5	6.88	18.233		
1,400.0	1,364.5	1,394.3	1,374.9	4.8	4.2	132.33	-60.3	-141.9	150.0	142.1	7.90	18.983		
1,500.0	1,453.8	1,492.1	1,467.4	5.6	4.8	132.85	-77.7	-168.7	175.0	165.9	9.02	19.396		
1,600.0	1,543.0	1,598.6	1,567.5	6.4	5.5	133.07	-99.4	-197.6	197.4	187.2	10.19	19.370		
1,700.0	1,632.2	1,708.0	1,670.4	7.2	6.1	133.87	-126.3	-223.0	214.7	203.4	11.30	19.008		
1,800.0	1,721.4	1,807.3	1,763.8	8.0	6.7	134.80	-153.0	-244.1	229.3	217.0	12.32	18.620		
1,900.0	1,810.7	1,906.2	1,856.7	8.8	7.3	135.61	-179.5	-265.1	243.9	230.6	13.32	18.312		
2,000.0	1,899.9	2,005.1	1,949.6	9.7	7.9	136.33	-206.1	-286.0	258.6	244.3	14.32	18.062		
2,100.0	1,989.1	2,103.9	2,042.5	10.5	8.5	136.98	-232.6	-307.0	273.3	257.9	15.30	17.857		
2,200.0	2,078.4	2,202.8	2,135.4	11.3	9.1	137.55	-259.2	-327.9	288.0	271.7	16.28	17.686		
2,300.0	2,167.6	2,301.7	2,228.3	12.1	9.8	138.08	-285.7	-348.9	302.7	285.5	17.26	17.543		
2,400.0	2,256.8	2,400.6	2,321.2	12.9	10.4	138.55	-312.3	-369.8	317.5	299.3	18.22	17.421		
2,500.0	2,346.0	2,499.4	2,414.1	13.7	11.0	138.98	-338.8	-390.8	332.3	313.1	19.19	17.317		
2,600.0	2,435.3	2,598.3	2,507.0	14.5	11.6	139.38	-365.4	-411.7	347.1	326.9	20.15	17.227		
2,700.0	2,524.5	2,697.2	2,599.9	15.4	12.2	139.74	-391.9	-432.7	361.9	340.8	21.10	17.150		
2,800.0	2,613.7	2,796.0	2,692.8	16.2	12.8	140.07	-418.5	-453.6	376.7	354.7	22.05	17.082		
2,900.0	2,703.0	2,894.9	2,785.8	17.0	13.5	140.38	-445.0	-474.6	391.5	368.5	23.00	17.023		
3,000.0	2,792.2	2,993.8	2,878.7	17.8	14.1	140.67	-471.6	-495.5	406.4	382.4	23.95	16.971		
3,100.0	2,881.4	3,092.7	2,971.6	18.6	14.7	140.93	-498.1	-516.5	421.3	396.4	24.89	16.925		
3,200.0	2,970.6	3,191.5	3,064.5	19.5	15.3	141.18	-524.7	-537.5	436.1	410.3	25.83	16.884		
3,300.0	3,059.9	3,290.4	3,157.4	20.3	16.0	141.41	-551.2	-558.4	451.0	424.2	26.77	16.848		
3,400.0	3,149.1	3,389.3	3,250.3	21.1	16.6	141.63	-577.8	-579.4	465.9	438.2	27.71	16.815		
3,500.0	3,238.3	3,488.1	3,343.2	21.9	17.2	141.83	-604.3	-600.3	480.8	452.1	28.64	16.786		
3,600.0	3,327.6	3,587.0	3,436.1	22.7	17.8	142.02	-630.9	-621.3	495.7	466.1	29.58	16.759		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF10E-04 H04 596 - DD - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				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	15.43	28.3	7.8	29.4						
100.0	100.0	100.0	100.0	0.1	0.1	15.43	28.3	7.8	29.4	29.2	0.23	125.671			
200.0	200.0	200.0	200.0	0.3	0.3	15.43	28.3	7.8	29.4	28.8	0.58	50.419			
300.0	300.0	300.0	300.0	0.5	0.5	15.43	28.3	7.8	29.4	28.5	0.93	31.535			
400.0	400.0	401.2	401.2	0.6	0.6	12.34	26.6	5.8	27.2	25.9	1.29	21.136			
500.0	500.0	501.9	501.5	0.8	0.9	164.66	21.3	-0.2	21.5	19.8	1.66	12.945			
588.7	588.7	590.6	589.5	1.0	1.1	138.32	13.7	-8.7	18.7	16.6	2.07	9.042 CC, ES			
600.0	599.9	601.8	600.6	1.0	1.1	134.41	12.6	-10.0	18.8	16.7	2.12	8.862			
700.0	699.5	701.2	698.2	1.2	1.5	102.25	0.6	-23.7	23.5	20.8	2.67	8.817			
800.0	798.4	800.0	794.3	1.5	1.9	85.50	-14.7	-41.0	33.6	30.3	3.26	10.318			
900.0	896.5	897.7	888.0	1.8	2.4	77.82	-33.0	-61.8	46.6	42.7	3.94	11.818			
1,000.0	993.5	995.4	980.2	2.2	3.0	74.41	-54.3	-85.9	61.5	56.7	4.76	12.908			
1,100.0	1,089.0	1,094.4	1,073.2	2.8	3.6	75.19	-76.7	-111.3	75.6	69.8	5.77	13.095			
1,200.0	1,182.8	1,193.3	1,166.2	3.4	4.2	78.89	-99.1	-136.7	88.6	81.5	7.01	12.628			
1,300.0	1,274.7	1,293.3	1,260.2	4.1	4.9	84.52	-121.8	-162.2	101.0	92.5	8.46	11.935			
1,400.0	1,364.5	1,397.7	1,358.4	4.8	5.5	91.37	-148.2	-185.7	110.4	100.3	10.05	10.981			
1,500.0	1,453.8	1,501.1	1,455.6	5.6	6.1	97.65	-177.8	-204.8	116.1	104.5	11.56	10.040			
1,600.0	1,543.0	1,600.3	1,548.8	6.4	6.7	103.04	-207.0	-222.1	121.6	108.7	12.93	9.403			
1,700.0	1,632.2	1,699.5	1,642.0	7.2	7.3	107.93	-236.2	-239.3	128.1	113.9	14.19	9.030			
1,800.0	1,721.4	1,798.7	1,735.3	8.0	7.9	112.33	-265.4	-256.6	135.5	120.1	15.33	8.837			
1,900.0	1,810.7	1,897.9	1,828.5	8.8	8.6	116.25	-294.6	-273.9	143.5	127.2	16.37	8.768 SF			
2,000.0	1,899.9	1,997.1	1,921.7	9.7	9.2	119.75	-323.8	-291.1	152.2	134.9	17.32	8.787			
2,100.0	1,989.1	2,096.3	2,014.9	10.5	9.8	122.86	-353.1	-308.4	161.4	143.2	18.20	8.867			
2,200.0	2,078.4	2,195.6	2,108.2	11.3	10.4	125.63	-382.3	-325.7	171.0	152.0	19.02	8.991			
2,300.0	2,167.6	2,294.8	2,201.4	12.1	11.0	128.11	-411.5	-342.9	181.0	161.2	19.79	9.146			
2,400.0	2,256.8	2,394.0	2,294.6	12.9	11.6	130.32	-440.7	-360.2	191.2	170.7	20.51	9.322			
2,500.0	2,346.0	2,493.2	2,387.9	13.7	12.3	132.31	-469.9	-377.5	201.7	180.5	21.21	9.513			
2,600.0	2,435.3	2,592.4	2,481.1	14.5	12.9	134.10	-499.1	-394.7	212.5	190.6	21.87	9.713			
2,700.0	2,524.5	2,691.6	2,574.3	15.4	13.5	135.71	-528.3	-412.0	223.4	200.9	22.52	9.920			
2,800.0	2,613.7	2,790.8	2,667.6	16.2	14.1	137.18	-557.5	-429.3	234.5	211.3	23.15	10.129			
2,900.0	2,703.0	2,890.1	2,760.8	17.0	14.7	138.51	-586.8	-446.5	245.7	221.9	23.76	10.340			
3,000.0	2,792.2	2,989.3	2,854.0	17.8	15.4	139.72	-616.0	-463.8	257.0	232.7	24.36	10.550			
3,100.0	2,881.4	3,088.5	2,947.2	18.6	16.0	140.84	-645.2	-481.1	268.5	243.5	24.96	10.758			
3,200.0	2,970.6	3,187.7	3,040.5	19.5	16.6	141.86	-674.4	-498.3	280.0	254.5	25.54	10.963			
3,300.0	3,059.9	3,286.9	3,133.7	20.3	17.2	142.80	-703.6	-515.6	291.6	265.5	26.12	11.165			
3,400.0	3,149.1	3,386.1	3,226.9	21.1	17.9	143.67	-732.8	-532.9	303.3	276.6	26.69	11.363			
3,500.0	3,238.3	3,485.3	3,320.2	21.9	18.5	144.47	-762.0	-550.1	315.0	287.8	27.26	11.557			
3,600.0	3,327.6	3,584.6	3,413.4	22.7	19.1	145.22	-791.3	-567.4	326.9	299.0	27.82	11.747			
3,700.0	3,416.8	3,683.8	3,506.6	23.5	19.7	145.91	-820.5	-584.6	338.7	310.3	28.39	11.932			
3,800.0	3,506.0	3,783.0	3,599.9	24.4	20.3	146.56	-849.7	-601.9	350.6	321.7	28.94	12.113			
3,900.0	3,595.3	3,882.2	3,693.1	25.2	21.0	147.17	-878.9	-619.2	362.6	333.1	29.50	12.289			
4,000.0	3,684.5	3,981.4	3,786.3	26.0	21.6	147.73	-908.1	-636.4	374.5	344.5	30.06	12.461			
4,100.0	3,773.7	4,080.6	3,879.6	26.8	22.2	148.26	-937.3	-653.7	386.6	355.9	30.61	12.628			
4,200.0	3,862.9	4,179.8	3,972.8	27.6	22.8	148.76	-966.5	-671.0	398.6	367.4	31.16	12.791			
4,300.0	3,952.2	4,279.0	4,066.0	28.5	23.5	149.23	-995.7	-688.2	410.7	379.0	31.72	12.949			
4,400.0	4,041.4	4,378.3	4,159.2	29.3	24.1	149.67	-1,025.0	-705.5	422.8	390.5	32.27	13.103			
4,500.0	4,130.6	4,477.5	4,252.5	30.1	24.7	150.09	-1,054.2	-722.8	434.9	402.1	32.82	13.253			
4,600.0	4,219.9	4,576.7	4,345.7	30.9	25.3	150.49	-1,083.4	-740.0	447.0	413.7	33.37	13.398			
4,700.0	4,309.1	4,675.9	4,438.9	31.7	26.0	150.86	-1,112.6	-757.3	459.2	425.3	33.91	13.540			
4,800.0	4,398.3	4,775.1	4,532.2	32.6	26.6	151.22	-1,141.8	-774.6	471.4	436.9	34.46	13.678			
4,900.0	4,487.5	4,874.3	4,625.4	33.4	27.2	151.56	-1,171.0	-791.8	483.6	448.6	35.01	13.812			
5,000.0	4,576.8	4,973.5	4,718.6	34.2	27.8	151.88	-1,200.2	-809.1	495.8	460.3	35.56	13.943			

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF12A-03 H04 596 - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	22.44	73.9	30.5	79.9					
100.0	100.0	100.0	100.0	0.1	0.1	22.44	73.9	30.5	79.9	79.7	0.23	341.702		
200.0	200.0	200.0	200.0	0.3	0.3	22.44	73.9	30.5	79.9	79.3	0.58	137.090		
300.0	300.0	300.0	300.0	0.5	0.5	22.44	73.9	30.5	79.9	79.0	0.93	85.745		
400.0	400.0	400.0	400.0	0.6	0.6	22.44	73.9	30.5	79.9	78.6	1.28	62.382 CC		
455.6	455.6	455.6	455.6	0.7	0.7	-172.58	73.9	30.5	80.1	78.6	1.47	54.317		
500.0	500.0	500.0	500.0	0.8	0.8	-172.57	73.9	30.5	80.1	78.4	1.63	49.126 ES		
600.0	599.9	600.6	600.5	1.0	1.0	-173.31	72.5	32.7	83.6	81.6	1.98	42.154		
700.0	699.5	700.5	700.1	1.2	1.2	-172.78	68.3	39.4	91.8	89.4	2.35	39.005		
800.0	798.4	799.0	797.8	1.5	1.4	-168.06	61.4	50.3	105.7	103.0	2.77	38.189 SF		
900.0	896.5	895.4	892.6	1.8	1.8	-162.34	52.1	65.0	126.3	123.0	3.25	38.818		
1,000.0	993.5	989.4	984.1	2.2	2.1	-156.91	40.7	83.3	153.8	150.0	3.81	40.335		
1,100.0	1,089.0	1,083.0	1,074.7	2.8	2.5	-152.97	28.3	102.9	187.4	183.0	4.43	42.339		
1,200.0	1,182.8	1,175.0	1,163.9	3.4	2.9	-150.62	16.1	122.3	225.9	220.8	5.08	44.488		
1,300.0	1,274.7	1,265.3	1,251.3	4.1	3.3	-149.26	4.2	141.2	268.7	262.9	5.76	46.660		
1,400.0	1,364.5	1,353.7	1,337.0	4.8	3.7	-148.70	-7.5	159.8	315.5	309.0	6.47	48.753		
1,500.0	1,453.8	1,441.5	1,422.1	5.6	4.1	-148.73	-19.1	178.3	363.2	356.0	7.23	50.271		
1,600.0	1,543.0	1,529.4	1,507.2	6.4	4.5	-148.76	-30.7	196.7	411.0	403.0	7.99	51.444		
1,700.0	1,632.2	1,617.2	1,592.3	7.2	4.9	-148.78	-42.3	215.2	458.8	450.0	8.76	52.372		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													H04 596 Pad - UWF12B-03 H04 596 - DD - Plan #1		Offset Site Error: 0.0 ft	
Survey Program: 0-MWD															Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance									
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	15.18	57.7	15.6	59.8							
100.0	100.0	100.0	100.0	0.1	0.1	15.18	57.7	15.6	59.8	59.5	0.23	255.514				
200.0	200.0	200.0	200.0	0.3	0.3	15.18	57.7	15.6	59.8	59.2	0.58	102.512				
300.0	300.0	300.0	300.0	0.5	0.5	15.18	57.7	15.6	59.8	58.8	0.93	64.118				
400.0	400.0	400.0	400.0	0.6	0.6	15.18	57.7	15.6	59.8	58.5	1.28	46.647				
500.0	500.0	501.1	501.1	0.8	0.8	-177.42	56.0	17.8	58.9	57.3	1.64	36.013				
513.9	513.9	515.2	515.1	0.8	0.9	-177.69	55.5	18.4	58.9	57.2	1.69	34.875	CC, ES			
600.0	599.9	601.8	601.4	1.0	1.0	-172.68	51.1	24.0	60.5	58.5	2.02	30.022				
700.0	699.5	701.3	700.1	1.2	1.3	-166.38	43.1	34.3	67.6	65.2	2.45	27.620	SF			
800.0	798.4	799.2	796.3	1.5	1.6	-157.26	32.1	48.4	81.9	79.0	2.95	27.733				
900.0	896.5	894.8	889.3	1.8	2.0	-149.21	18.5	65.9	104.0	100.4	3.55	29.326				
1,000.0	993.5	989.2	980.2	2.2	2.5	-143.39	2.8	86.0	133.0	128.8	4.20	31.685				
1,100.0	1,089.0	1,083.1	1,070.5	2.8	2.9	-140.38	-12.9	106.1	167.0	162.1	4.91	34.026				
1,200.0	1,182.8	1,175.5	1,159.5	3.4	3.4	-139.06	-28.4	126.0	204.9	199.3	5.66	36.187				
1,300.0	1,274.7	1,266.4	1,246.9	4.1	3.8	-138.66	-43.6	145.5	246.6	240.1	6.46	38.194				
1,400.0	1,364.5	1,355.5	1,332.7	4.8	4.3	-138.98	-58.6	164.6	291.8	284.5	7.28	40.070				
1,500.0	1,453.8	1,444.2	1,417.9	5.6	4.7	-139.81	-73.4	183.7	337.9	329.8	8.14	41.499				
1,600.0	1,543.0	1,532.8	1,503.2	6.4	5.2	-140.44	-88.3	202.7	384.1	375.1	9.01	42.639				
1,700.0	1,632.2	1,621.4	1,588.5	7.2	5.6	-140.94	-103.1	221.8	430.3	420.4	9.88	43.569				
1,800.0	1,721.4	1,710.1	1,673.8	8.0	6.1	-141.33	-118.0	240.8	476.5	465.8	10.75	44.340				

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF12C-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	29.87	35.4	20.3	40.8					
100.0	100.0	100.0	100.0	0.1	0.1	29.87	35.4	20.3	40.8	40.6	0.23	174.617		
200.0	200.0	200.0	200.0	0.3	0.3	29.87	35.4	20.3	40.8	40.3	0.58	70.056		
300.0	300.0	300.0	300.0	0.5	0.5	29.87	35.4	20.3	40.8	39.9	0.93	43.818		
400.0	400.0	400.0	400.0	0.6	0.6	29.87	35.4	20.3	40.8	39.6	1.28	31.878		
490.5	490.5	490.9	490.8	0.8	0.8	-162.38	33.9	21.9	40.9	39.3	1.60	25.528		
500.0	500.0	500.4	500.4	0.8	0.8	-161.56	33.6	22.2	40.4	38.8	1.64	24.727 CC, ES		
600.0	599.9	600.4	600.0	1.0	1.0	-155.05	28.2	27.9	43.3	41.3	2.02	21.467		
700.0	699.5	699.4	698.2	1.2	1.3	-148.36	19.3	37.3	52.2	49.8	2.45	21.316 SF		
800.0	798.4	797.0	794.1	1.5	1.6	-140.72	7.1	50.1	68.2	65.2	2.96	23.009		
900.0	896.5	892.5	887.1	1.8	2.0	-134.93	-8.2	66.1	91.0	87.4	3.57	25.466		
1,000.0	993.5	986.0	976.9	2.2	2.5	-130.91	-26.1	84.9	120.0	115.8	4.27	28.081		
1,100.0	1,089.0	1,080.2	1,066.8	2.8	3.0	-128.99	-45.3	105.1	153.6	148.5	5.06	30.361		
1,200.0	1,182.8	1,173.2	1,155.6	3.4	3.4	-128.68	-64.3	125.0	190.3	184.4	5.90	32.240		
1,300.0	1,274.7	1,264.7	1,243.1	4.1	3.9	-129.18	-83.0	144.6	230.2	223.4	6.80	33.867		
1,400.0	1,364.5	1,354.7	1,329.1	4.8	4.4	-130.31	-101.4	163.9	273.3	265.6	7.73	35.358		
1,500.0	1,453.8	1,444.2	1,414.6	5.6	4.9	-131.80	-119.6	183.0	317.3	308.6	8.69	36.526		
1,600.0	1,543.0	1,533.7	1,500.1	6.4	5.4	-132.93	-137.9	202.2	361.5	351.9	9.65	37.471		
1,700.0	1,632.2	1,623.2	1,585.6	7.2	5.9	-133.82	-156.2	221.4	405.8	395.1	10.61	38.250		
1,800.0	1,721.4	1,712.8	1,671.1	8.0	6.4	-134.53	-174.4	240.5	450.1	438.5	11.57	38.903		
1,900.0	1,810.7	1,802.3	1,756.6	8.8	6.9	-135.12	-192.7	259.7	494.4	481.9	12.53	39.458		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF12E-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
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	134.415		
200.0	200.0	200.0	200.0	0.3	0.3	33.19	26.3	17.2	31.4	30.9	0.58	53.927		
300.0	300.0	300.0	300.0	0.5	0.5	33.19	26.3	17.2	31.4	30.5	0.93	33.730		
400.0	400.0	400.0	400.0	0.6	0.6	33.19	26.3	17.2	31.4	30.2	1.28	24.539 CC		
455.6	455.6	455.6	455.6	0.7	0.7	-161.92	26.3	17.2	31.6	30.2	1.47	21.443		
500.0	500.0	500.0	500.0	0.8	0.8	-161.90	26.3	17.2	31.6	30.0	1.63	19.381 ES		
600.0	599.9	600.2	600.2	1.0	1.0	-165.02	25.8	17.6	35.1	33.1	1.98	17.753 SF		
700.0	699.5	700.6	700.4	1.2	1.2	-164.89	21.6	20.8	42.3	39.9	2.33	18.110		
800.0	798.4	800.3	799.6	1.5	1.4	-159.28	13.3	27.1	53.6	50.8	2.73	19.604		
900.0	896.5	899.0	897.1	1.8	1.7	-152.73	1.0	36.5	69.8	66.6	3.22	21.683		
1,000.0	993.5	996.2	992.2	2.2	2.0	-146.92	-15.0	48.7	91.4	87.6	3.83	23.847		
1,100.0	1,089.0	1,091.7	1,084.4	2.8	2.4	-142.18	-34.4	63.5	118.4	113.8	4.59	25.803		
1,200.0	1,182.8	1,184.9	1,173.3	3.4	2.9	-138.37	-56.8	80.6	150.5	145.0	5.48	27.465		
1,300.0	1,274.7	1,276.1	1,258.8	4.1	3.5	-135.28	-82.1	99.9	187.7	181.2	6.49	28.935		
1,400.0	1,364.5	1,367.3	1,343.7	4.8	4.0	-133.61	-108.4	119.9	228.7	221.1	7.55	30.267		
1,500.0	1,453.8	1,458.0	1,428.3	5.6	4.6	-133.06	-134.6	139.9	270.6	261.9	8.66	31.257		
1,600.0	1,543.0	1,548.8	1,512.9	6.4	5.2	-132.66	-160.8	159.9	312.5	302.7	9.77	31.974		
1,700.0	1,632.2	1,639.6	1,597.5	7.2	5.8	-132.35	-186.9	179.9	354.4	343.5	10.90	32.513		
1,800.0	1,721.4	1,730.4	1,682.1	8.0	6.4	-132.11	-213.1	199.8	396.3	384.3	12.04	32.929		
1,900.0	1,810.7	1,821.1	1,766.7	8.8	7.0	-131.91	-239.3	219.8	438.3	425.1	13.18	33.260		
2,000.0	1,899.9	1,911.9	1,851.2	9.7	7.6	-131.75	-265.5	239.8	480.2	465.9	14.32	33.527		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13A-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (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	42.56	16.2	14.9	22.0					
100.0	100.0	100.0	100.0	0.1	0.1	42.56	16.2	14.9	22.0	21.7	0.23	93.954		
200.0	200.0	200.0	200.0	0.3	0.3	42.56	16.2	14.9	22.0	21.4	0.58	37.694		
300.0	300.0	300.0	300.0	0.5	0.5	42.56	16.2	14.9	22.0	21.0	0.93	23.577		
400.0	400.0	400.0	400.0	0.6	0.6	42.56	16.2	14.9	22.0	20.7	1.28	17.152 CC		
455.6	455.6	455.6	455.6	0.7	0.7	-152.68	16.2	14.9	22.2	20.7	1.48	15.019		
500.0	500.0	500.0	500.0	0.8	0.8	-152.63	16.2	14.9	22.1	20.5	1.63	13.569 ES		
600.0	599.9	600.2	600.2	1.0	1.0	-153.03	14.0	16.3	25.0	23.0	1.98	12.611 SF		
700.0	699.5	700.1	699.8	1.2	1.2	-149.83	7.5	20.7	31.9	29.6	2.36	13.499		
800.0	798.4	799.3	798.1	1.5	1.4	-143.26	-3.2	27.9	43.7	40.9	2.82	15.500		
900.0	896.5	897.4	894.5	1.8	1.8	-137.49	-18.0	37.8	60.7	57.3	3.39	17.934		
1,000.0	993.5	994.0	988.5	2.2	2.1	-133.13	-36.5	50.3	83.0	78.9	4.09	20.312		
1,100.0	1,089.0	1,088.8	1,079.6	2.8	2.6	-129.88	-58.5	65.1	110.3	105.4	4.92	22.410		
1,200.0	1,182.8	1,181.6	1,167.2	3.4	3.2	-127.38	-83.7	82.0	142.4	136.5	5.89	24.179		
1,300.0	1,274.7	1,272.3	1,251.4	4.1	3.7	-125.34	-111.6	100.8	179.1	172.1	6.97	25.712		
1,400.0	1,364.5	1,363.8	1,335.7	4.8	4.4	-124.47	-141.3	120.8	219.3	211.1	8.12	27.001		
1,500.0	1,453.8	1,455.1	1,419.7	5.6	5.0	-124.57	-170.9	140.7	260.1	250.8	9.31	27.952		
1,600.0	1,543.0	1,546.4	1,503.7	6.4	5.6	-124.65	-200.5	160.6	301.0	290.5	10.51	28.647		
1,700.0	1,632.2	1,637.6	1,587.7	7.2	6.3	-124.70	-230.1	180.5	341.9	330.2	11.72	29.176		
1,800.0	1,721.4	1,728.9	1,671.7	8.0	6.9	-124.75	-259.7	200.4	382.8	369.8	12.94	29.588		
1,900.0	1,810.7	1,820.1	1,755.7	8.8	7.6	-124.78	-289.3	220.3	423.7	409.5	14.16	29.919		
2,000.0	1,899.9	1,911.4	1,839.7	9.7	8.2	-124.81	-318.9	240.2	464.5	449.2	15.39	30.188		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13B-03 H04 596 - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	58.87	7.1	11.7	13.7					
100.0	100.0	100.0	100.0	0.1	0.1	58.87	7.1	11.7	13.7	13.5	0.23	58.611		
200.0	200.0	200.0	200.0	0.3	0.3	58.87	7.1	11.7	13.7	13.1	0.58	23.515		
300.0	300.0	300.0	300.0	0.5	0.5	58.87	7.1	11.7	13.7	12.8	0.93	14.708		
400.0	400.0	400.0	400.0	0.6	0.6	58.87	7.1	11.7	13.7	12.4	1.28	10.700 CC		
449.8	449.8	449.8	449.8	0.7	0.7	-136.60	7.1	11.7	13.8	12.4	1.45	9.503		
500.0	500.0	500.0	500.0	0.8	0.8	-133.89	6.5	12.1	13.8	12.2	1.63	8.486 ES, SF		
600.0	599.9	599.8	599.7	1.0	1.0	-127.82	2.1	14.8	16.9	15.0	1.99	8.501		
700.0	699.5	699.2	698.5	1.2	1.2	-123.95	-6.8	20.1	25.0	22.5	2.41	10.359		
800.0	798.4	797.7	795.8	1.5	1.5	-120.52	-20.0	28.0	38.1	35.2	2.91	13.075		
900.0	896.5	895.1	891.0	1.8	1.9	-118.46	-37.1	38.4	56.2	52.6	3.53	15.898		
1,000.0	993.5	990.9	983.7	2.2	2.3	-117.19	-58.1	51.0	79.1	74.8	4.29	18.445		
1,100.0	1,089.0	1,085.0	1,073.4	2.8	2.8	-116.29	-82.5	65.7	106.6	101.4	5.17	20.593		
1,200.0	1,182.8	1,177.2	1,159.7	3.4	3.4	-115.56	-110.1	82.3	138.5	132.3	6.19	22.360		
1,300.0	1,274.7	1,267.1	1,242.4	4.1	4.0	-114.87	-140.4	100.5	174.7	167.4	7.33	23.845		
1,400.0	1,364.5	1,358.5	1,325.4	4.8	4.7	-114.90	-173.2	120.3	214.1	205.6	8.55	25.035		
1,500.0	1,453.8	1,450.1	1,408.5	5.6	5.4	-115.69	-206.1	140.1	254.1	244.3	9.82	25.880		
1,600.0	1,543.0	1,541.7	1,491.7	6.4	6.0	-116.27	-239.1	159.9	294.2	283.1	11.10	26.504		
1,700.0	1,632.2	1,633.3	1,574.8	7.2	6.7	-116.72	-272.0	179.8	334.3	321.9	12.39	26.980		
1,800.0	1,721.4	1,724.9	1,658.0	8.0	7.4	-117.06	-304.9	199.6	374.3	360.7	13.68	27.356		
1,900.0	1,810.7	1,816.5	1,741.1	8.8	8.1	-117.34	-337.8	219.4	414.4	399.4	14.98	27.658		
2,000.0	1,899.9	1,908.1	1,824.3	9.7	8.8	-117.57	-370.7	239.2	454.5	438.2	16.29	27.906		
2,100.0	1,989.1	1,999.7	1,907.4	10.5	9.5	-117.77	-403.7	259.0	494.6	477.0	17.59	28.114		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13C-03 H04 596 - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance					Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	107.90	-3.0	9.4	9.9					
100.0	100.0	100.0	100.0	0.1	0.1	107.90	-3.0	9.4	9.9	9.6	0.23	42.176		
200.0	200.0	200.0	200.0	0.3	0.3	107.90	-3.0	9.4	9.9	9.3	0.58	16.921		
300.0	300.0	300.0	300.0	0.5	0.5	107.90	-3.0	9.4	9.9	8.9	0.93	10.584		
400.0	400.0	400.0	400.0	0.6	0.6	107.90	-3.0	9.4	9.9	8.6	1.28	7.700 CC, ES		
500.0	500.0	499.5	499.5	0.8	0.8	-79.11	-5.3	10.6	11.8	10.2	1.63	7.262 SF		
600.0	599.9	598.8	598.4	1.0	1.0	-78.75	-12.1	14.2	17.5	15.5	1.99	8.759		
700.0	699.5	697.4	696.2	1.2	1.3	-86.29	-23.4	20.3	27.0	24.5	2.41	11.191		
800.0	798.4	795.1	792.2	1.5	1.6	-92.03	-39.0	28.5	40.8	37.9	2.92	13.952		
900.0	896.5	891.5	886.1	1.8	2.0	-96.18	-58.5	39.0	59.0	55.5	3.57	16.547		
1,000.0	993.5	986.5	977.3	2.2	2.5	-99.09	-81.9	51.4	81.7	77.3	4.35	18.757		
1,100.0	1,089.0	1,079.8	1,065.5	2.8	3.0	-101.09	-108.7	65.7	108.6	103.3	5.28	20.556		
1,200.0	1,182.8	1,171.1	1,150.3	3.4	3.6	-102.45	-138.5	81.6	139.7	133.4	6.35	22.005		
1,300.0	1,274.7	1,260.4	1,231.6	4.1	4.3	-103.32	-171.2	99.0	174.8	167.3	7.53	23.203		
1,400.0	1,364.5	1,351.4	1,313.1	4.8	5.0	-104.44	-206.9	118.1	213.0	204.2	8.83	24.130		
1,500.0	1,453.8	1,443.4	1,395.4	5.6	5.8	-106.04	-243.1	137.4	251.8	241.6	10.17	24.745		
1,600.0	1,543.0	1,535.4	1,477.7	6.4	6.5	-107.22	-279.3	156.7	290.7	279.1	11.53	25.207		
1,700.0	1,632.2	1,627.4	1,560.1	7.2	7.2	-108.11	-315.5	176.0	329.7	316.8	12.89	25.566		
1,800.0	1,721.4	1,719.3	1,642.4	8.0	8.0	-108.82	-351.7	195.3	368.7	354.4	14.26	25.852		
1,900.0	1,810.7	1,811.3	1,724.7	8.8	8.7	-109.39	-387.9	214.6	407.8	392.1	15.63	26.084		
2,000.0	1,899.9	1,903.3	1,807.0	9.7	9.4	-109.87	-424.1	233.9	446.9	429.9	17.01	26.277		
2,100.0	1,989.1	1,995.3	1,889.3	10.5	10.2	-110.26	-460.3	253.2	486.0	467.6	18.38	26.440		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13D-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	152.73	-12.1	6.3	13.7					
100.0	100.0	100.0	100.0	0.1	0.1	152.73	-12.1	6.3	13.7	13.4	0.23	58.406		
200.0	200.0	200.0	200.0	0.3	0.3	152.73	-12.1	6.3	13.7	13.1	0.58	23.432		
300.0	300.0	300.0	300.0	0.5	0.5	152.73	-12.1	6.3	13.7	12.7	0.93	14.656		
333.3	333.3	333.3	333.3	0.5	0.5	152.73	-12.1	6.3	13.7	12.6	1.05	13.030 CC, ES		
400.0	400.0	399.6	399.6	0.6	0.6	152.77	-12.7	6.5	14.3	13.0	1.28	11.175 SF		
500.0	500.0	498.6	498.5	0.8	0.8	-42.30	-17.3	8.8	19.4	17.8	1.63	11.904		
600.0	599.9	597.1	596.5	1.0	1.1	-49.61	-26.4	13.4	27.0	25.0	1.98	13.635		
700.0	699.5	694.9	693.0	1.2	1.3	-61.74	-40.0	20.1	37.2	34.8	2.36	15.744		
800.0	798.4	791.6	787.7	1.5	1.7	-71.23	-57.7	28.9	51.1	48.2	2.84	17.988		
900.0	896.5	887.0	880.0	1.8	2.2	-78.53	-79.3	39.6	69.1	65.6	3.46	19.959		
1,000.0	993.5	980.9	969.5	2.2	2.7	-83.97	-104.6	52.2	91.4	87.1	4.25	21.506		
1,100.0	1,089.0	1,073.1	1,055.9	2.8	3.3	-87.96	-133.3	66.5	117.8	112.6	5.19	22.683		
1,200.0	1,182.8	1,163.4	1,139.0	3.4	3.9	-90.88	-164.9	82.2	148.2	141.9	6.28	23.594		
1,300.0	1,274.7	1,251.6	1,218.5	4.1	4.6	-92.99	-199.2	99.2	182.5	175.0	7.50	24.330		
1,400.0	1,364.5	1,340.7	1,297.1	4.8	5.3	-94.95	-236.7	117.9	220.2	211.3	8.84	24.909		
1,500.0	1,453.8	1,432.6	1,378.0	5.6	6.1	-97.15	-275.9	137.3	258.7	248.4	10.25	25.236		
1,600.0	1,543.0	1,524.5	1,458.8	6.4	6.9	-98.78	-315.0	156.8	297.4	285.7	11.67	25.490		
1,700.0	1,632.2	1,616.4	1,539.7	7.2	7.7	-100.03	-354.2	176.2	336.3	323.2	13.09	25.693		
1,800.0	1,721.4	1,708.3	1,620.5	8.0	8.5	-101.03	-393.3	195.7	375.3	360.8	14.51	25.858		
1,900.0	1,810.7	1,800.2	1,701.3	8.8	9.3	-101.84	-432.5	215.1	414.4	398.5	15.94	25.996		
2,000.0	1,899.9	1,892.1	1,782.2	9.7	10.0	-102.51	-471.6	234.6	453.6	436.2	17.37	26.112		
2,100.0	1,989.1	1,984.0	1,863.0	10.5	10.8	-103.07	-510.8	254.0	492.7	474.0	18.80	26.212		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF13E-03 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	170.03	-22.3	3.9	22.6					
100.0	100.0	100.0	100.0	0.1	0.1	170.03	-22.3	3.9	22.6	22.4	0.23	96.620		
200.0	200.0	200.0	200.0	0.3	0.3	170.03	-22.3	3.9	22.6	22.0	0.58	38.764		
300.0	300.0	300.0	300.0	0.5	0.5	170.03	-22.3	3.9	22.6	21.7	0.93	24.245 CC, ES		
400.0	400.0	398.8	398.7	0.6	0.6	168.56	-24.6	5.0	25.1	23.8	1.28	19.631 SF		
500.0	500.0	497.0	496.7	0.8	0.9	-29.59	-31.5	8.1	32.6	30.9	1.63	20.013		
600.0	599.9	594.6	593.5	1.0	1.1	-37.25	-42.9	13.3	42.0	40.1	1.97	21.310		
700.0	699.5	691.4	688.6	1.2	1.4	-48.50	-58.6	20.5	53.4	51.1	2.33	22.870		
800.0	798.4	787.0	781.7	1.5	1.9	-57.58	-78.4	29.6	67.7	64.9	2.77	24.473		
900.0	896.5	881.2	872.3	1.8	2.3	-65.18	-102.1	40.4	85.6	82.2	3.33	25.677		
1,000.0	993.5	973.9	960.0	2.2	2.9	-71.35	-129.3	52.8	107.2	103.2	4.07	26.337		
1,100.0	1,089.0	1,064.9	1,044.6	2.8	3.5	-76.25	-159.7	66.8	132.8	127.8	4.99	26.608		
1,200.0	1,182.8	1,154.1	1,125.9	3.4	4.2	-80.08	-193.0	82.0	162.2	156.1	6.08	26.692		
1,300.0	1,274.7	1,241.2	1,203.6	4.1	4.9	-83.04	-228.9	98.4	195.3	188.0	7.31	26.718		
1,400.0	1,364.5	1,328.3	1,279.4	4.8	5.7	-85.65	-267.9	116.2	231.8	223.1	8.67	26.739		
1,500.0	1,453.8	1,420.1	1,358.8	5.6	6.5	-88.36	-309.8	135.4	269.7	259.6	10.13	26.628		
1,600.0	1,543.0	1,512.0	1,438.3	6.4	7.3	-90.40	-351.8	154.6	308.0	296.4	11.59	26.562		
1,700.0	1,632.2	1,603.9	1,517.8	7.2	8.1	-92.00	-393.7	173.7	346.5	333.4	13.06	26.525		
1,800.0	1,721.4	1,695.8	1,597.3	8.0	9.0	-93.28	-435.7	192.9	385.2	370.7	14.53	26.504		
1,900.0	1,810.7	1,787.7	1,676.7	8.8	9.8	-94.32	-477.6	212.1	424.1	408.1	16.01	26.495		
2,000.0	1,899.9	1,879.6	1,756.2	9.7	10.6	-95.19	-519.6	231.3	463.0	445.6	17.48	26.492		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15A-03 H04 596 (was 10D-03) - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty	Separation			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	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	217.494		
200.0	200.0	200.0	200.0	0.3	0.3	26.48	45.5	22.7	50.9	50.3	0.58	87.258		
300.0	300.0	300.0	300.0	0.5	0.5	26.48	45.5	22.7	50.9	49.9	0.93	54.577	CC, ES	
400.0	400.0	399.2	399.1	0.6	0.6	29.22	45.1	25.2	51.7	50.4	1.29	40.173		
500.0	500.0	497.8	497.4	0.8	0.9	-158.22	43.8	32.8	54.9	53.2	1.66	33.023		
600.0	599.9	596.3	595.1	1.0	1.1	-151.15	40.7	45.0	64.3	62.3	2.07	31.083	SF	
700.0	699.5	693.0	690.3	1.2	1.5	-146.73	35.2	61.1	81.4	78.9	2.51	32.425		
800.0	798.4	787.3	782.2	1.5	1.9	-141.85	27.5	80.9	106.2	103.2	3.00	35.418		
900.0	896.5	878.7	870.1	1.8	2.3	-138.06	17.7	103.7	138.1	134.5	3.55	38.924		
1,000.0	993.5	966.6	953.6	2.2	2.9	-135.23	6.3	129.0	176.6	172.4	4.17	42.326		
1,100.0	1,089.0	1,050.8	1,032.1	2.8	3.4	-133.02	-6.5	156.2	221.2	216.3	4.87	45.376		
1,200.0	1,182.8	1,130.9	1,105.6	3.4	4.0	-131.18	-20.4	184.9	271.4	265.7	5.65	48.030		
1,300.0	1,274.7	1,206.8	1,174.0	4.1	4.7	-129.52	-35.0	214.5	326.7	320.2	6.49	50.328		
1,400.0	1,364.5	1,278.5	1,237.3	4.8	5.3	-128.39	-50.1	244.5	386.7	379.3	7.42	52.145		
1,500.0	1,453.8	1,347.2	1,296.8	5.6	6.0	-128.19	-65.8	275.2	449.2	440.8	8.42	53.326		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15A-04 H04 596 - DD - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
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	13.72	19.2	4.7	19.8						
100.0	100.0	100.0	100.0	0.1	0.1	13.72	19.2	4.7	19.8	19.6	0.23	84.633			
200.0	200.0	200.0	200.0	0.3	0.3	13.72	19.2	4.7	19.8	19.2	0.58	33.955			
300.0	300.0	300.0	300.0	0.5	0.5	13.72	19.2	4.7	19.8	18.9	0.93	21.238			
400.0	400.0	400.0	400.0	0.6	0.6	13.72	19.2	4.7	19.8	18.5	1.28	15.451 CC			
455.6	455.6	455.6	455.6	0.7	0.7	178.73	19.2	4.7	20.0	18.5	1.47	13.557			
500.0	500.0	500.0	500.0	0.8	0.8	178.73	19.2	4.7	20.0	18.3	1.63	12.243 ES			
600.0	599.9	601.0	601.0	1.0	1.0	174.91	16.9	3.4	21.3	19.4	1.98	10.783			
700.0	699.5	702.1	701.7	1.2	1.2	168.08	9.9	-0.5	22.8	20.5	2.33	9.799			
800.0	798.4	803.3	802.0	1.5	1.5	163.33	-1.7	-7.1	24.4	21.7	2.69	9.061			
900.0	896.5	904.5	901.4	1.8	1.8	159.06	-18.0	-16.2	26.1	23.0	3.10	8.428			
1,000.0	993.5	1,005.7	999.8	2.2	2.2	154.96	-38.8	-27.9	28.0	24.4	3.59	7.805			
1,100.0	1,089.0	1,107.0	1,096.8	2.8	2.7	150.95	-64.2	-42.1	30.1	25.9	4.21	7.142			
1,200.0	1,182.8	1,208.3	1,192.1	3.4	3.3	147.05	-94.0	-58.9	32.3	27.3	5.02	6.449			
1,300.0	1,274.7	1,308.8	1,285.2	4.1	4.0	144.18	-127.2	-77.6	35.5	29.5	5.96	5.954 SF			
1,400.0	1,364.5	1,408.5	1,377.3	4.8	4.6	145.68	-160.6	-96.3	42.3	35.6	6.70	6.311			
1,500.0	1,453.8	1,508.2	1,469.3	5.6	5.3	147.76	-193.9	-115.0	50.2	42.8	7.36	6.816			
1,600.0	1,543.0	1,607.9	1,561.3	6.4	6.0	149.27	-227.3	-133.8	58.1	50.1	8.03	7.240			
1,700.0	1,632.2	1,707.6	1,653.4	7.2	6.7	150.41	-260.7	-152.5	66.1	57.4	8.70	7.602			
1,800.0	1,721.4	1,807.2	1,745.4	8.0	7.4	151.31	-294.0	-171.3	74.2	64.8	9.37	7.912			
1,900.0	1,810.7	1,906.9	1,837.4	8.8	8.1	152.03	-327.4	-190.0	82.2	72.1	10.05	8.182			
2,000.0	1,899.9	2,006.6	1,929.5	9.7	8.7	152.63	-360.7	-208.7	90.2	79.5	10.72	8.417			
2,100.0	1,989.1	2,106.2	2,021.5	10.5	9.4	153.12	-394.1	-227.5	98.3	86.9	11.39	8.625			
2,200.0	2,078.4	2,205.9	2,113.6	11.3	10.1	153.54	-427.5	-246.2	106.3	94.3	12.07	8.810			
2,300.0	2,167.6	2,305.6	2,205.6	12.1	10.8	153.91	-460.8	-265.0	114.4	101.6	12.75	8.975			
2,400.0	2,256.8	2,405.3	2,297.6	12.9	11.5	154.22	-494.2	-283.7	122.5	109.0	13.42	9.123			
2,500.0	2,346.0	2,504.9	2,389.7	13.7	12.2	154.50	-527.5	-302.4	130.5	116.4	14.10	9.258			
2,600.0	2,435.3	2,604.6	2,481.7	14.5	12.9	154.74	-560.9	-321.2	138.6	123.8	14.78	9.379			
2,700.0	2,524.5	2,704.3	2,573.7	15.4	13.6	154.96	-594.3	-339.9	146.7	131.2	15.45	9.490			
2,800.0	2,613.7	2,804.0	2,665.8	16.2	14.3	155.15	-627.6	-358.6	154.7	138.6	16.13	9.592			
2,900.0	2,703.0	2,903.6	2,757.8	17.0	15.0	155.32	-661.0	-377.4	162.8	146.0	16.81	9.685			
3,000.0	2,792.2	3,003.3	2,849.8	17.8	15.7	155.48	-694.3	-396.1	170.9	153.4	17.49	9.771			
3,100.0	2,881.4	3,103.0	2,941.9	18.6	16.4	155.63	-727.7	-414.9	179.0	160.8	18.17	9.851			
3,200.0	2,970.6	3,202.6	3,033.9	19.5	17.1	155.76	-761.1	-433.6	187.0	168.2	18.85	9.925			
3,300.0	3,059.9	3,302.3	3,125.9	20.3	17.8	155.88	-794.4	-452.3	195.1	175.6	19.53	9.993			
3,400.0	3,149.1	3,402.0	3,218.0	21.1	18.5	155.99	-827.8	-471.1	203.2	183.0	20.20	10.057			
3,500.0	3,238.3	3,501.7	3,310.0	21.9	19.2	156.09	-861.1	-489.8	211.3	190.4	20.88	10.117			
3,600.0	3,327.6	3,601.3	3,402.1	22.7	19.9	156.19	-894.5	-508.6	219.4	197.8	21.56	10.173			
3,700.0	3,416.8	3,701.0	3,494.1	23.5	20.6	156.28	-927.8	-527.3	227.4	205.2	22.24	10.226			
3,800.0	3,506.0	3,800.7	3,586.1	24.4	21.3	156.36	-961.2	-546.0	235.5	212.6	22.92	10.275			
3,900.0	3,595.3	3,900.3	3,678.2	25.2	22.0	156.43	-994.6	-564.8	243.6	220.0	23.60	10.322			
4,000.0	3,684.5	4,000.0	3,770.2	26.0	22.7	156.51	-1,027.9	-583.5	251.7	227.4	24.28	10.366			
4,100.0	3,773.7	4,099.7	3,862.2	26.8	23.4	156.57	-1,061.3	-602.2	259.8	234.8	24.96	10.408			
4,200.0	3,862.9	4,199.4	3,954.3	27.6	24.1	156.64	-1,094.6	-621.0	267.9	242.2	25.64	10.447			
4,300.0	3,952.2	4,299.0	4,046.3	28.5	24.8	156.70	-1,128.0	-639.7	276.0	249.6	26.32	10.484			
4,400.0	4,041.4	4,398.7	4,138.3	29.3	25.5	156.75	-1,161.4	-658.5	284.0	257.0	27.00	10.520			
4,500.0	4,130.6	4,498.4	4,230.4	30.1	26.2	156.81	-1,194.7	-677.2	292.1	264.4	27.68	10.553			
4,600.0	4,219.9	4,598.1	4,322.4	30.9	26.9	156.86	-1,228.1	-695.9	300.2	271.8	28.36	10.585			
4,700.0	4,309.1	4,697.7	4,414.4	31.7	27.6	156.90	-1,261.4	-714.7	308.3	279.3	29.04	10.616			
4,800.0	4,398.3	4,797.4	4,506.5	32.6	28.3	156.95	-1,294.8	-733.4	316.4	286.7	29.72	10.645			
4,900.0	4,487.5	4,897.1	4,598.5	33.4	29.0	156.99	-1,328.2	-752.1	324.5	294.1	30.40	10.673			
5,000.0	4,576.8	4,996.7	4,690.6	34.2	29.7	157.03	-1,361.5	-770.9	332.5	301.5	31.08	10.699			

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15A-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	4,666.0	5,096.4	4,782.6	35.0	30.4	157.07	-1,394.9	-789.6	340.6	308.9	31.76	10.725		
5,200.0	4,755.2	5,196.1	4,874.6	35.8	31.1	157.11	-1,428.2	-808.4	348.7	316.3	32.44	10.749		
5,300.0	4,844.5	5,295.8	4,966.7	36.7	31.8	157.14	-1,461.6	-827.1	356.8	323.7	33.12	10.772		
5,400.0	4,933.7	5,395.4	5,058.7	37.5	32.5	157.18	-1,495.0	-845.8	364.9	331.1	33.80	10.795		
5,500.0	5,022.9	5,495.1	5,150.7	38.3	33.2	157.21	-1,528.3	-864.6	373.0	338.5	34.48	10.816		
5,600.0	5,112.1	5,594.8	5,242.8	39.1	33.9	157.24	-1,561.7	-883.3	381.1	345.9	35.16	10.837		
5,700.0	5,201.4	5,694.4	5,334.8	39.9	34.6	157.27	-1,595.0	-902.1	389.2	353.3	35.84	10.857		
5,800.0	5,290.6	5,794.1	5,426.8	40.8	35.3	157.30	-1,628.4	-920.8	397.2	360.7	36.52	10.876		
5,900.0	5,379.8	5,893.8	5,518.9	41.6	36.0	157.33	-1,661.8	-939.5	405.3	368.1	37.21	10.894		
6,000.0	5,469.1	5,993.5	5,610.9	42.4	36.7	157.35	-1,695.1	-958.3	413.4	375.5	37.89	10.912		
6,100.0	5,558.3	6,093.1	5,702.9	43.2	37.4	157.38	-1,728.5	-977.0	421.5	382.9	38.57	10.929		
6,200.0	5,647.5	6,192.8	5,795.0	44.0	38.1	157.40	-1,761.8	-995.7	429.6	390.3	39.25	10.946		
6,300.0	5,736.7	6,292.5	5,887.0	44.9	38.8	157.43	-1,795.2	-1,014.5	437.7	397.8	39.93	10.962		
6,400.0	5,826.0	6,392.2	5,979.1	45.7	39.5	157.45	-1,828.6	-1,033.2	445.8	405.2	40.61	10.977		
6,500.0	5,915.2	6,491.8	6,071.1	46.5	40.2	157.47	-1,861.9	-1,052.0	453.9	412.6	41.29	10.992		
6,600.0	6,004.4	6,591.5	6,163.1	47.3	40.9	157.49	-1,895.3	-1,070.7	461.9	420.0	41.97	11.007		
6,700.0	6,093.7	6,691.2	6,255.2	48.1	41.6	157.51	-1,928.6	-1,089.4	470.0	427.4	42.65	11.021		
6,800.0	6,182.9	6,790.8	6,347.2	49.0	42.3	157.53	-1,962.0	-1,108.2	478.1	434.8	43.33	11.034		
6,900.0	6,272.1	6,890.5	6,439.2	49.8	43.0	157.55	-1,995.3	-1,126.9	486.2	442.2	44.01	11.047		
7,000.0	6,361.9	6,972.0	6,515.1	50.6	43.5	157.67	-2,021.3	-1,141.5	494.9	450.4	44.52	11.117		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15B-03 H04 596 (was 10E-03) - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	15.62	47.6	13.3	49.4					
100.0	100.0	100.0	100.0	0.1	0.1	15.62	47.6	13.3	49.4	0.23	211.121			
200.0	200.0	200.0	200.0	0.3	0.3	15.62	47.6	13.3	49.4	0.58	84.701			
300.0	300.0	300.0	300.0	0.5	0.5	15.62	47.6	13.3	49.4	0.93	52.978			
400.0	400.0	400.3	400.3	0.6	0.6	16.37	47.2	13.9	49.2	1.28	38.388			
495.1	495.1	495.8	495.7	0.8	0.8	-173.06	44.7	18.1	48.9	1.63	29.995			
500.0	500.0	500.7	500.5	0.8	0.8	-172.56	44.6	18.4	48.4	1.65	29.375 CC, ES			
600.0	599.9	600.3	599.5	1.0	1.1	-163.75	39.3	27.4	51.8	2.05	25.244			
700.0	699.5	698.4	696.5	1.2	1.4	-155.40	31.6	40.7	62.9	2.51	25.089 SF			
800.0	798.4	794.3	790.4	1.5	1.7	-146.93	21.6	57.7	82.6	3.02	27.369			
900.0	896.5	887.6	880.5	1.8	2.2	-140.81	9.6	78.2	110.4	3.60	30.685			
1,000.0	993.5	977.5	966.3	2.2	2.7	-136.63	-4.0	101.5	145.3	4.25	34.161			
1,100.0	1,089.0	1,063.8	1,047.3	2.8	3.2	-133.68	-19.0	127.1	186.8	4.99	37.402			
1,200.0	1,182.8	1,146.2	1,123.3	3.4	3.8	-131.44	-35.0	154.5	234.1	5.81	40.291			
1,300.0	1,274.7	1,224.3	1,194.1	4.1	4.5	-129.59	-51.7	183.1	286.9	6.70	42.835			
1,400.0	1,364.5	1,300.0	1,261.3	4.8	5.1	-128.34	-69.3	213.1	344.6	7.66	44.956			
1,500.0	1,453.8	1,369.1	1,321.4	5.6	5.8	-127.98	-86.5	242.5	404.9	8.70	46.542			
1,600.0	1,543.0	1,437.2	1,379.4	6.4	6.5	-127.42	-104.5	273.3	467.0	9.76	47.860			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15B-04 H04 596 - DD - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
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	14.44	9.1	2.3	9.4						
100.0	100.0	100.0	100.0	0.1	0.1	14.44	9.1	2.3	9.4	9.2	0.23	40.227			
200.0	200.0	200.0	200.0	0.3	0.3	14.44	9.1	2.3	9.4	8.8	0.58	16.139			
300.0	300.0	300.0	300.0	0.5	0.5	14.44	9.1	2.3	9.4	8.5	0.93	10.095			
400.0	400.0	400.4	400.3	0.6	0.6	5.20	7.1	0.6	7.1	5.8	1.29	5.549			
481.4	481.4	481.7	481.5	0.8	0.8	118.23	2.5	-3.2	4.3	2.7	1.60	2.670 CC, ES			
500.0	500.0	500.2	499.8	0.8	0.9	91.08	1.1	-4.4	4.6	2.9	1.67	2.733			
600.0	599.9	599.4	598.1	1.0	1.1	49.96	-8.8	-12.8	12.8	10.8	2.01	6.344			
700.0	699.5	698.0	695.1	1.2	1.5	41.91	-22.4	-24.3	22.9	20.5	2.40	9.559			
800.0	798.4	796.1	790.5	1.5	1.9	40.65	-39.8	-39.0	33.6	30.8	2.83	11.874			
900.0	896.5	893.6	884.1	1.8	2.4	41.30	-60.8	-56.7	44.9	41.5	3.35	13.403			
1,000.0	993.5	991.2	976.2	2.2	3.0	42.61	-85.4	-77.4	56.6	52.6	3.98	14.227			
1,100.0	1,089.0	1,090.7	1,069.0	2.8	3.6	42.66	-114.9	-97.9	65.7	61.0	4.72	13.924			
1,200.0	1,182.8	1,190.4	1,160.8	3.4	4.3	41.34	-149.1	-116.5	71.1	65.6	5.51	12.904			
1,300.0	1,274.7	1,290.4	1,252.2	4.1	5.0	40.92	-185.7	-134.1	72.6	66.2	6.41	11.321			
1,400.0	1,364.5	1,390.3	1,343.5	4.8	5.8	43.25	-222.2	-151.8	70.2	62.6	7.63	9.206			
1,500.0	1,453.8	1,490.2	1,434.8	5.6	6.5	46.60	-258.6	-169.4	67.1	58.0	9.06	7.400			
1,600.0	1,543.0	1,590.0	1,526.1	6.4	7.2	50.27	-295.1	-187.0	64.2	53.5	10.66	6.022			
1,700.0	1,632.2	1,689.9	1,617.3	7.2	7.9	54.26	-331.6	-204.7	61.6	49.2	12.40	4.965			
1,800.0	1,721.4	1,789.8	1,708.6	8.0	8.7	58.59	-368.1	-222.3	59.3	45.0	14.27	4.154			
1,900.0	1,810.7	1,889.7	1,799.9	8.8	9.4	63.23	-404.5	-240.0	57.4	41.1	16.25	3.530			
2,000.0	1,899.9	1,989.5	1,891.2	9.7	10.1	68.16	-441.0	-257.6	55.8	37.6	18.29	3.054			
2,100.0	1,989.1	2,089.4	1,982.5	10.5	10.9	73.32	-477.5	-275.2	54.8	34.4	20.33	2.693			
2,200.0	2,078.4	2,189.3	2,073.7	11.3	11.6	78.65	-514.0	-292.9	54.1	31.8	22.33	2.424			
2,280.2	2,149.9	2,269.3	2,146.9	11.9	12.2	82.98	-543.2	-307.0	54.0	30.1	23.86	2.262			
2,300.0	2,167.6	2,289.1	2,165.0	12.1	12.3	84.05	-550.5	-310.5	54.0	29.8	24.22	2.229			
2,400.0	2,256.8	2,389.0	2,256.3	12.9	13.1	89.43	-586.9	-328.2	54.3	28.4	25.95	2.093			
2,500.0	2,346.0	2,488.9	2,347.6	13.7	13.8	94.70	-623.4	-345.8	55.1	27.6	27.49	2.006			
2,600.0	2,435.3	2,588.7	2,438.9	14.5	14.5	99.78	-659.9	-363.4	56.4	27.6	28.80	1.958			
2,700.0	2,524.5	2,688.6	2,530.1	15.4	15.3	104.60	-696.4	-381.1	58.1	28.2	29.90	1.942 SF			
2,800.0	2,613.7	2,788.5	2,621.4	16.2	16.0	109.12	-732.9	-398.7	60.1	29.3	30.80	1.953			
2,900.0	2,703.0	2,888.4	2,712.7	17.0	16.8	113.32	-769.3	-416.4	62.6	31.1	31.51	1.985			
3,000.0	2,792.2	2,988.2	2,804.0	17.8	17.5	117.18	-805.8	-434.0	65.3	33.2	32.08	2.035			
3,100.0	2,881.4	3,088.1	2,895.3	18.6	18.2	120.72	-842.3	-451.7	68.3	35.8	32.52	2.100			
3,200.0	2,970.6	3,188.0	2,986.5	19.5	19.0	123.95	-878.8	-469.3	71.5	38.7	32.86	2.177			
3,300.0	3,059.9	3,287.8	3,077.8	20.3	19.7	126.90	-915.2	-486.9	75.0	41.9	33.14	2.263			
3,400.0	3,149.1	3,387.7	3,169.1	21.1	20.4	129.58	-951.7	-504.6	78.6	45.3	33.35	2.357			
3,500.0	3,238.3	3,487.6	3,260.4	21.9	21.2	132.01	-988.2	-522.2	82.4	48.9	33.53	2.457			
3,600.0	3,327.6	3,587.4	3,351.7	22.7	21.9	134.23	-1,024.7	-539.9	86.3	52.6	33.69	2.563			
3,700.0	3,416.8	3,687.3	3,442.9	23.5	22.7	136.26	-1,061.2	-557.5	90.4	56.5	33.82	2.672			
3,800.0	3,506.0	3,787.2	3,534.2	24.4	23.4	138.11	-1,097.6	-575.1	94.5	60.6	33.95	2.784			
3,900.0	3,595.3	3,887.0	3,625.5	25.2	24.1	139.80	-1,134.1	-592.8	98.7	64.7	34.08	2.898			
4,000.0	3,684.5	3,986.9	3,716.8	26.0	24.9	141.35	-1,170.6	-610.4	103.0	68.8	34.20	3.013			
4,100.0	3,773.7	4,086.8	3,808.1	26.8	25.6	142.78	-1,207.1	-628.1	107.4	73.1	34.33	3.129			
4,200.0	3,862.9	4,186.7	3,899.3	27.6	26.3	144.10	-1,243.5	-645.7	111.9	77.4	34.46	3.246			
4,300.0	3,952.2	4,286.5	3,990.6	28.5	27.1	145.31	-1,280.0	-663.3	116.4	81.8	34.60	3.363			
4,400.0	4,041.4	4,386.4	4,081.9	29.3	27.8	146.43	-1,316.5	-681.0	120.9	86.2	34.75	3.479			
4,500.0	4,130.6	4,486.3	4,173.2	30.1	28.6	147.47	-1,353.0	-698.6	125.5	90.6	34.91	3.595			
4,600.0	4,219.9	4,586.1	4,264.5	30.9	29.3	148.44	-1,389.5	-716.3	130.1	95.1	35.07	3.710			
4,700.0	4,309.1	4,686.0	4,355.7	31.7	30.0	149.34	-1,425.9	-733.9	134.8	99.5	35.25	3.824			
4,800.0	4,398.3	4,785.9	4,447.0	32.6	30.8	150.18	-1,462.4	-751.5	139.5	104.0	35.43	3.937			
4,900.0	4,487.5	4,885.7	4,538.3	33.4	31.5	150.97	-1,498.9	-769.2	144.2	108.6	35.62	4.048			

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15B-04 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,000.0	4,576.8	4,985.6	4,629.6	34.2	32.3	151.70	-1,535.4	-786.8	148.9	113.1	35.82	4.158		
5,100.0	4,666.0	5,085.5	4,720.9	35.0	33.0	152.39	-1,571.8	-804.5	153.7	117.7	36.03	4.267		
5,200.0	4,755.2	5,185.4	4,812.1	35.8	33.7	153.04	-1,608.3	-822.1	158.5	122.3	36.24	4.373		
5,300.0	4,844.5	5,285.2	4,903.4	36.7	34.5	153.65	-1,644.8	-839.7	163.3	126.8	36.46	4.479		
5,400.0	4,933.7	5,385.1	4,994.7	37.5	35.2	154.23	-1,681.3	-857.4	168.1	131.4	36.69	4.582		
5,500.0	5,022.9	5,485.0	5,086.0	38.3	35.9	154.77	-1,717.8	-875.0	173.0	136.0	36.93	4.684		
5,600.0	5,112.1	5,584.8	5,177.3	39.1	36.7	155.28	-1,754.2	-892.7	177.8	140.7	37.17	4.784		
5,700.0	5,201.4	5,684.7	5,268.6	39.9	37.4	155.77	-1,790.7	-910.3	182.7	145.3	37.42	4.882		
5,800.0	5,290.6	5,784.6	5,359.8	40.8	38.2	156.23	-1,827.2	-928.0	187.6	149.9	37.68	4.978		
5,900.0	5,379.8	5,884.4	5,451.1	41.6	38.9	156.67	-1,863.7	-945.6	192.5	154.5	37.94	5.073		
6,000.0	5,469.1	5,984.3	5,542.4	42.4	39.6	157.09	-1,900.1	-963.2	197.4	159.2	38.21	5.166		
6,100.0	5,558.3	6,084.2	5,633.7	43.2	40.4	157.48	-1,936.6	-980.9	202.3	163.8	38.48	5.257		
6,200.0	5,647.5	6,184.1	5,725.0	44.0	41.1	157.86	-1,973.1	-998.5	207.2	168.5	38.76	5.347		
6,300.0	5,736.7	6,283.9	5,816.2	44.9	41.9	158.22	-2,009.6	-1,016.2	212.1	173.1	39.04	5.435		
6,400.0	5,826.0	6,383.8	5,907.5	45.7	42.6	158.56	-2,046.1	-1,033.8	217.1	177.8	39.32	5.521		
6,500.0	5,915.2	6,483.7	5,998.8	46.5	43.3	158.89	-2,082.5	-1,051.4	222.0	182.4	39.61	5.605		
6,600.0	6,004.4	6,583.5	6,090.1	47.3	44.1	159.20	-2,119.0	-1,069.1	227.0	187.1	39.91	5.688		
6,700.0	6,093.7	6,683.4	6,181.4	48.1	44.8	159.50	-2,155.5	-1,086.7	232.0	191.7	40.20	5.769		
6,800.0	6,182.9	6,783.3	6,272.6	49.0	45.5	159.79	-2,192.0	-1,104.4	236.9	196.4	40.51	5.849		
6,900.0	6,272.1	6,883.1	6,363.9	49.8	46.3	160.07	-2,228.4	-1,122.0	241.9	201.1	40.81	5.927		
7,000.0	6,361.9	6,975.7	6,448.9	50.6	46.9	160.34	-2,261.5	-1,138.0	246.7	205.6	41.10	6.003		
7,100.0	6,453.8	7,064.8	6,532.2	51.2	47.5	160.57	-2,289.9	-1,151.7	251.0	209.6	41.35	6.069		
7,200.0	6,547.6	7,153.6	6,616.6	51.8	47.9	160.77	-2,314.8	-1,163.7	254.7	213.1	41.58	6.125		
7,300.0	6,643.0	7,242.4	6,702.2	52.3	48.3	160.93	-2,336.1	-1,174.0	257.8	216.0	41.78	6.171		
7,400.0	6,739.9	7,331.0	6,788.6	52.8	48.7	161.06	-2,353.7	-1,182.6	260.4	218.4	41.94	6.208		
7,500.0	6,838.0	7,419.6	6,875.8	53.1	48.9	161.15	-2,367.7	-1,189.4	262.3	220.3	42.08	6.234		
7,600.0	6,937.0	7,508.1	6,963.5	53.3	49.1	161.21	-2,378.1	-1,194.4	263.7	221.5	42.19	6.251		
7,700.0	7,036.5	7,600.0	7,055.1	53.5	49.3	161.25	-2,385.0	-1,197.7	264.5	222.3	42.26	6.259		
7,716.9	7,053.3	7,611.5	7,066.6	53.5	49.3	161.25	-2,385.6	-1,198.0	264.6	222.3	42.27	6.260		
7,800.0	7,136.4	7,685.1	7,140.1	53.5	49.3	161.25	-2,387.8	-1,199.1	264.7	222.4	42.30	6.257		
7,899.8	7,236.3	7,781.3	7,236.3	53.6	49.4	128.74	-2,388.0	-1,199.2	265.1	222.7	42.44	6.247		
7,900.0	7,236.4	7,781.5	7,236.5	53.6	49.4	126.46	-2,388.0	-1,199.2	264.6	222.2	42.48	6.229		
8,000.0	7,336.4	7,881.5	7,336.5	53.6	49.4	126.46	-2,388.0	-1,199.2	264.6	221.9	42.71	6.196		
8,100.0	7,436.4	7,981.6	7,436.6	53.7	49.5	126.46	-2,388.1	-1,199.3	264.6	221.7	42.94	6.163		
8,200.0	7,536.4	8,081.6	7,536.7	53.7	49.5	126.46	-2,388.1	-1,199.4	264.6	221.5	43.17	6.130		
8,300.0	7,636.4	8,181.7	7,636.7	53.8	49.6	126.47	-2,388.2	-1,199.5	264.6	221.2	43.40	6.097		
8,400.0	7,736.4	8,281.8	7,736.8	53.8	49.6	126.47	-2,388.3	-1,199.7	264.6	221.0	43.63	6.065		
8,500.0	7,836.4	8,381.8	7,836.9	53.9	49.7	126.47	-2,388.5	-1,199.9	264.6	220.7	43.87	6.032		
8,600.0	7,936.4	8,481.9	7,936.9	53.9	49.7	126.47	-2,388.6	-1,200.1	264.6	220.5	44.11	5.999		
8,700.0	8,036.4	8,582.0	8,037.0	54.0	49.8	126.48	-2,388.8	-1,200.4	264.6	220.2	44.35	5.966		
8,800.0	8,136.4	8,682.0	8,137.1	54.0	49.9	126.48	-2,389.0	-1,200.7	264.6	220.0	44.59	5.933		
8,900.0	8,236.4	8,782.1	8,237.1	54.1	49.9	126.48	-2,389.2	-1,201.0	264.6	219.7	44.83	5.901		
9,000.0	8,336.4	8,882.2	8,337.2	54.2	50.0	126.49	-2,389.4	-1,201.3	264.5	219.5	45.08	5.868		
9,100.0	8,436.4	8,982.2	8,437.2	54.2	50.0	126.49	-2,389.7	-1,201.7	264.5	219.2	45.33	5.836		
9,200.0	8,536.4	9,082.3	8,537.3	54.3	50.1	126.50	-2,390.0	-1,202.1	264.5	218.9	45.57	5.804		
9,300.0	8,636.4	9,182.4	8,637.4	54.3	50.2	126.50	-2,390.3	-1,202.6	264.5	218.6	45.82	5.771		
9,400.0	8,736.4	9,282.4	8,737.4	54.4	50.2	126.51	-2,390.6	-1,203.1	264.4	218.4	46.08	5.739		
9,500.0	8,836.4	9,382.5	8,837.5	54.5	50.3	126.51	-2,391.0	-1,203.6	264.4	218.1	46.33	5.707		
9,600.0	8,936.4	9,482.5	8,937.5	54.5	50.4	126.52	-2,391.3	-1,204.1	264.4	217.8	46.59	5.675		
9,700.0	9,036.4	9,582.5	9,037.5	54.6	50.4	126.53	-2,391.7	-1,204.7	264.4	217.5	46.84	5.645		
9,701.5	9,037.9	9,584.0	9,039.0	54.6	50.4	126.53	-2,391.7	-1,204.7	264.4	217.5	46.84	5.644		
9,800.0	9,136.4	9,682.5	9,137.5	54.6	50.5	126.55	-2,392.1	-1,205.3	264.4	217.3	47.08	5.616		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15B-04 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
9,900.0	9,236.4	9,782.5	9,237.5	54.7	50.6	126.57	-2,392.4	-1,205.8	264.4	217.1	47.32	5.588		
10,000.0	9,336.4	9,882.5	9,337.5	54.8	50.6	126.59	-2,392.8	-1,206.4	264.4	216.9	47.56	5.560		
10,100.0	9,436.4	9,982.5	9,437.5	54.8	50.7	126.62	-2,393.2	-1,206.9	264.5	216.7	47.80	5.533		
10,200.0	9,536.4	10,082.5	9,537.5	54.9	50.8	126.64	-2,393.6	-1,207.5	264.5	216.5	48.04	5.506		
10,300.0	9,636.4	10,182.5	9,637.5	55.0	50.8	126.66	-2,393.9	-1,208.0	264.5	216.3	48.29	5.478		
10,400.0	9,736.4	10,282.5	9,737.5	55.0	50.9	126.69	-2,394.3	-1,208.6	264.6	216.0	48.53	5.451		
10,500.0	9,836.4	10,382.5	9,837.5	55.1	51.0	126.71	-2,394.7	-1,209.2	264.6	215.8	48.78	5.424		
10,600.0	9,936.4	10,482.5	9,937.5	55.2	51.0	126.73	-2,395.0	-1,209.7	264.6	215.6	49.03	5.398		
10,700.0	10,036.4	10,582.5	10,037.5	55.2	51.1	126.76	-2,395.4	-1,210.3	264.7	215.4	49.28	5.371		
10,800.0	10,136.4	10,682.5	10,137.5	55.3	51.2	126.78	-2,395.8	-1,210.8	264.7	215.2	49.53	5.345		
10,900.0	10,236.4	10,782.5	10,237.5	55.4	51.3	126.80	-2,396.2	-1,211.4	264.7	214.9	49.78	5.318		
11,000.0	10,336.4	10,882.5	10,337.5	55.5	51.3	126.83	-2,396.5	-1,211.9	264.8	214.7	50.03	5.292		
11,100.0	10,436.4	10,982.5	10,437.5	55.5	51.4	126.85	-2,396.9	-1,212.5	264.8	214.5	50.28	5.266		
11,200.0	10,536.4	11,082.5	10,537.5	55.6	51.5	126.87	-2,397.3	-1,213.1	264.8	214.3	50.54	5.240		
11,300.0	10,636.4	11,182.5	10,637.5	55.7	51.6	126.90	-2,397.6	-1,213.6	264.9	214.1	50.79	5.214		
11,400.0	10,736.4	11,282.5	10,737.5	55.7	51.6	126.92	-2,398.0	-1,214.2	264.9	213.8	51.05	5.189		
11,500.0	10,836.4	11,382.5	10,837.5	55.8	51.7	126.95	-2,398.4	-1,214.7	264.9	213.6	51.31	5.163		
11,600.0	10,936.4	11,482.5	10,937.5	55.9	51.8	126.97	-2,398.8	-1,215.3	264.9	213.4	51.57	5.138		
11,700.0	11,036.4	11,582.5	11,037.5	56.0	51.9	126.99	-2,399.1	-1,215.8	265.0	213.1	51.83	5.113		
11,800.0	11,136.3	11,682.5	11,137.5	56.0	51.9	127.02	-2,399.5	-1,216.4	265.0	212.9	52.09	5.087		
11,900.0	11,236.3	11,782.5	11,237.5	56.1	52.0	127.04	-2,399.9	-1,217.0	265.0	212.7	52.35	5.063		
12,000.0	11,336.3	11,882.5	11,337.5	56.2	52.1	127.06	-2,400.2	-1,217.5	265.1	212.5	52.62	5.038		
12,100.0	11,436.3	11,982.5	11,437.5	56.3	52.2	127.09	-2,400.6	-1,218.1	265.1	212.2	52.88	5.013		
12,200.0	11,536.3	12,082.5	11,537.5	56.3	52.3	127.11	-2,401.0	-1,218.6	265.1	212.0	53.15	4.989		
12,300.0	11,636.3	12,182.5	11,637.5	56.4	52.3	127.13	-2,401.4	-1,219.2	265.2	211.8	53.41	4.965		
12,400.0	11,736.3	12,282.5	11,737.5	56.5	52.4	127.16	-2,401.7	-1,219.7	265.2	211.5	53.68	4.940		
12,500.0	11,836.3	12,382.5	11,837.5	56.6	52.5	127.18	-2,402.1	-1,220.3	265.2	211.3	53.95	4.916		
12,600.0	11,936.3	12,482.5	11,937.5	56.6	52.6	127.20	-2,402.5	-1,220.8	265.3	211.0	54.22	4.893		
12,700.0	12,036.3	12,582.5	12,037.5	56.7	52.7	127.23	-2,402.8	-1,221.4	265.3	210.8	54.49	4.869		
12,800.0	12,136.3	12,682.5	12,137.5	56.8	52.7	127.25	-2,403.2	-1,222.0	265.3	210.6	54.76	4.846		
12,900.0	12,236.3	12,782.5	12,237.5	56.9	52.8	127.27	-2,403.6	-1,222.5	265.4	210.3	55.03	4.822		
13,000.0	12,336.3	12,882.5	12,337.5	57.0	52.9	127.30	-2,404.0	-1,223.1	265.4	210.1	55.30	4.799		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15D-04 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft			
Survey Program: 0-MWD															Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance									
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	-162.85	-10.1	-3.1	10.6							
100.0	100.0	100.0	100.0	0.1	0.1	-162.85	-10.1	-3.1	10.6	10.4	0.23	45.358				
200.0	200.0	200.0	200.0	0.3	0.3	-162.85	-10.1	-3.1	10.6	10.0	0.58	18.198				
300.0	300.0	300.0	300.0	0.5	0.5	-162.85	-10.1	-3.1	10.6	9.7	0.93	11.382				
400.0	400.0	400.0	400.0	0.6	0.6	-162.85	-10.1	-3.1	10.6	9.3	1.28	8.281	CC, ES			
500.0	500.0	499.7	499.7	0.8	0.8	2.55	-10.7	-3.4	11.1	9.5	1.63	6.807				
600.0	599.9	599.1	598.9	1.0	1.0	3.44	-15.5	-5.4	12.4	10.4	1.98	6.260				
700.0	699.5	698.4	697.7	1.2	1.2	2.18	-24.9	-9.5	13.7	11.3	2.32	5.891				
800.0	798.4	797.7	795.7	1.5	1.5	1.93	-39.1	-15.7	14.9	12.3	2.66	5.617				
900.0	896.5	896.8	892.8	1.8	1.9	1.33	-57.9	-23.8	16.2	13.2	2.99	5.400				
1,000.0	993.5	996.0	988.6	2.2	2.3	0.20	-81.3	-33.9	17.4	14.0	3.33	5.221				
1,100.0	1,089.0	1,095.0	1,082.8	2.8	2.9	-1.45	-109.2	-46.0	18.5	14.9	3.66	5.068				
1,200.0	1,182.8	1,194.0	1,175.4	3.4	3.5	-3.84	-141.5	-59.9	19.7	15.7	3.99	4.928				
1,300.0	1,274.7	1,293.0	1,265.9	4.1	4.2	-7.41	-178.3	-75.4	20.8	16.4	4.37	4.763				
1,400.0	1,364.5	1,391.8	1,354.1	4.8	5.0	-11.83	-219.4	-92.4	22.3	17.4	4.90	4.545				
1,500.0	1,453.8	1,491.6	1,441.6	5.6	5.8	-15.04	-263.7	-110.6	25.9	20.4	5.57	4.655				
1,600.0	1,543.0	1,591.5	1,529.2	6.4	6.7	-17.43	-308.2	-128.9	29.8	23.4	6.32	4.710				
1,700.0	1,632.2	1,691.4	1,616.7	7.2	7.5	-19.27	-352.7	-147.2	33.6	26.5	7.11	4.726				
1,800.0	1,721.4	1,791.3	1,704.3	8.0	8.4	-20.73	-397.2	-165.5	37.5	29.5	7.94	4.721				
1,900.0	1,810.7	1,891.2	1,791.9	8.8	9.3	-21.91	-441.7	-183.8	41.4	32.6	8.79	4.706				
2,000.0	1,899.9	1,991.2	1,879.5	9.7	10.1	-22.89	-486.2	-202.0	45.3	35.6	9.67	4.687				
2,100.0	1,989.1	2,091.1	1,967.1	10.5	11.0	-23.72	-530.7	-220.3	49.2	38.7	10.55	4.666				
2,200.0	2,078.4	2,191.0	2,054.7	11.3	11.8	-24.42	-575.2	-238.6	53.2	41.7	11.45	4.644				
2,300.0	2,167.6	2,290.9	2,142.2	12.1	12.7	-25.03	-619.7	-256.9	57.1	44.8	12.35	4.624				
2,400.0	2,256.8	2,390.8	2,229.8	12.9	13.6	-25.55	-664.2	-275.1	61.1	47.8	13.26	4.605				
2,500.0	2,346.0	2,490.8	2,317.4	13.7	14.4	-26.02	-708.7	-293.4	65.0	50.8	14.17	4.586				
2,600.0	2,435.3	2,590.7	2,405.0	14.5	15.3	-26.43	-753.1	-311.7	69.0	53.9	15.09	4.569				
2,700.0	2,524.5	2,690.6	2,492.6	15.4	16.2	-26.79	-797.6	-330.0	72.9	56.9	16.01	4.554				
2,800.0	2,613.7	2,790.5	2,580.1	16.2	17.0	-27.12	-842.1	-348.2	76.9	59.9	16.94	4.539				
2,900.0	2,703.0	2,890.4	2,667.7	17.0	17.9	-27.42	-886.6	-366.5	80.8	63.0	17.86	4.526				
3,000.0	2,792.2	2,990.4	2,755.3	17.8	18.8	-27.69	-931.1	-384.8	84.8	66.0	18.79	4.513				
3,100.0	2,881.4	3,090.3	2,842.9	18.6	19.6	-27.93	-975.6	-403.1	88.8	69.1	19.72	4.501				
3,200.0	2,970.6	3,190.2	2,930.5	19.5	20.5	-28.15	-1,020.1	-421.4	92.7	72.1	20.65	4.490				
3,300.0	3,059.9	3,290.1	3,018.1	20.3	21.4	-28.36	-1,064.6	-439.6	96.7	75.1	21.59	4.480				
3,400.0	3,149.1	3,390.0	3,105.6	21.1	22.3	-28.55	-1,109.1	-457.9	100.7	78.2	22.52	4.471				
3,500.0	3,238.3	3,490.0	3,193.2	21.9	23.1	-28.72	-1,153.6	-476.2	104.7	81.2	23.45	4.462				
3,600.0	3,327.6	3,589.9	3,280.8	22.7	24.0	-28.88	-1,198.0	-494.5	108.6	84.2	24.39	4.454				
3,700.0	3,416.8	3,689.8	3,368.4	23.5	24.9	-29.03	-1,242.5	-512.7	112.6	87.3	25.33	4.446				
3,800.0	3,506.0	3,789.7	3,456.0	24.4	25.7	-29.17	-1,287.0	-531.0	116.6	90.3	26.26	4.439				
3,900.0	3,595.3	3,889.6	3,543.6	25.2	26.6	-29.31	-1,331.5	-549.3	120.6	93.4	27.20	4.432				
4,000.0	3,684.5	3,989.6	3,631.1	26.0	27.5	-29.43	-1,376.0	-567.6	124.5	96.4	28.14	4.425				
4,100.0	3,773.7	4,089.5	3,718.7	26.8	28.3	-29.54	-1,420.5	-585.9	128.5	99.4	29.08	4.419				
4,200.0	3,862.9	4,189.4	3,806.3	27.6	29.2	-29.65	-1,465.0	-604.1	132.5	102.5	30.02	4.414				
4,300.0	3,952.2	4,289.3	3,893.9	28.5	30.1	-29.75	-1,509.5	-622.4	136.5	105.5	30.96	4.408				
4,400.0	4,041.4	4,389.3	3,981.5	29.3	31.0	-29.85	-1,554.0	-640.7	140.4	108.5	31.90	4.403				
4,500.0	4,130.6	4,489.2	4,069.0	30.1	31.8	-29.94	-1,598.5	-659.0	144.4	111.6	32.84	4.398				
4,600.0	4,219.9	4,589.1	4,156.6	30.9	32.7	-30.03	-1,643.0	-677.2	148.4	114.6	33.78	4.393				
4,700.0	4,309.1	4,689.0	4,244.2	31.7	33.6	-30.11	-1,687.4	-695.5	152.4	117.7	34.72	4.389				
4,800.0	4,398.3	4,788.9	4,331.8	32.6	34.4	-30.18	-1,731.9	-713.8	156.4	120.7	35.66	4.385				
4,900.0	4,487.5	4,888.9	4,419.4	33.4	35.3	-30.26	-1,776.4	-732.1	160.3	123.7	36.60	4.381				
5,000.0	4,576.8	4,988.8	4,507.0	34.2	36.2	-30.33	-1,820.9	-750.4	164.3	126.8	37.54	4.377				
5,100.0	4,666.0	5,088.7	4,594.5	35.0	37.0	-30.39	-1,865.4	-768.6	168.3	129.8	38.48	4.373				

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15D-04 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft			
Survey Program: 0-MWD															Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning			
5,200.0	4,755.2	5,188.6	4,682.1	35.8	37.9	-30.46	-1,909.9	-786.9	172.3	132.8	39.42	4.370				
5,300.0	4,844.5	5,288.5	4,769.7	36.7	38.8	-30.52	-1,954.4	-805.2	176.2	135.9	40.37	4.366				
5,400.0	4,933.7	5,388.5	4,857.3	37.5	39.7	-30.58	-1,998.9	-823.5	180.2	138.9	41.31	4.363				
5,500.0	5,022.9	5,488.4	4,944.9	38.3	40.5	-30.63	-2,043.4	-841.7	184.2	142.0	42.25	4.360				
5,600.0	5,112.1	5,588.3	5,032.5	39.1	41.4	-30.68	-2,087.9	-860.0	188.2	145.0	43.19	4.357				
5,700.0	5,201.4	5,688.2	5,120.0	39.9	42.3	-30.73	-2,132.4	-878.3	192.2	148.0	44.13	4.354				
5,800.0	5,290.6	5,788.1	5,207.6	40.8	43.1	-30.78	-2,176.8	-896.6	196.2	151.1	45.08	4.352				
5,900.0	5,379.8	5,888.1	5,295.2	41.6	44.0	-30.83	-2,221.3	-914.9	200.1	154.1	46.02	4.349				
6,000.0	5,469.1	5,988.0	5,382.8	42.4	44.9	-30.88	-2,265.8	-933.1	204.1	157.2	46.96	4.346				
6,100.0	5,558.3	6,087.9	5,470.4	43.2	45.7	-30.92	-2,310.3	-951.4	208.1	160.2	47.90	4.344				
6,200.0	5,647.5	6,187.8	5,557.9	44.0	46.6	-30.96	-2,354.8	-969.7	212.1	163.2	48.85	4.342				
6,300.0	5,736.7	6,287.7	5,645.5	44.9	47.5	-31.00	-2,399.3	-988.0	216.1	166.3	49.79	4.339				
6,400.0	5,826.0	6,387.7	5,733.1	45.7	48.4	-31.04	-2,443.8	-1,006.2	220.0	169.3	50.73	4.337				
6,500.0	5,915.2	6,487.6	5,820.7	46.5	49.2	-31.08	-2,488.3	-1,024.5	224.0	172.3	51.68	4.335				
6,600.0	6,004.4	6,587.5	5,908.3	47.3	50.1	-31.11	-2,532.8	-1,042.8	228.0	175.4	52.62	4.333				
6,700.0	6,093.7	6,687.4	5,995.9	48.1	51.0	-31.15	-2,577.3	-1,061.1	232.0	178.4	53.56	4.331				
6,800.0	6,182.9	6,787.3	6,083.4	49.0	51.8	-31.18	-2,621.7	-1,079.3	236.0	181.5	54.51	4.329				
6,900.0	6,272.1	6,887.3	6,171.0	49.8	52.7	-31.21	-2,666.2	-1,097.6	240.0	184.5	55.45	4.327				
7,000.0	6,361.9	6,990.4	6,261.6	50.6	53.6	-31.16	-2,712.0	-1,116.4	244.8	188.6	56.25	4.352				
7,100.0	6,453.8	7,103.1	6,362.6	51.2	54.5	-31.01	-2,758.0	-1,135.3	250.2	193.4	56.82	4.403				
7,200.0	6,547.6	7,216.1	6,466.8	51.8	55.2	-30.89	-2,798.5	-1,152.0	254.9	197.6	57.32	4.446				
7,300.0	6,643.0	7,329.5	6,573.7	52.3	55.8	-30.79	-2,833.4	-1,166.3	258.9	201.1	57.77	4.481				
7,400.0	6,739.9	7,443.1	6,682.8	52.8	56.4	-30.72	-2,862.4	-1,178.2	262.1	204.0	58.14	4.508				
7,500.0	6,838.0	7,556.9	6,793.9	53.1	56.8	-30.68	-2,885.3	-1,187.6	264.6	206.1	58.45	4.527				
7,600.0	6,937.0	7,670.8	6,906.4	53.3	57.1	-30.66	-2,902.2	-1,194.6	266.3	207.6	58.70	4.537				
7,700.0	7,036.5	7,784.9	7,019.8	53.5	57.3	-30.66	-2,912.8	-1,198.9	267.3	208.4	58.88	4.540				
7,800.0	7,136.4	7,899.0	7,133.8	53.5	57.4	-30.68	-2,917.1	-1,200.7	267.5	208.5	58.99	4.535				
7,891.1	7,227.5	7,992.6	7,227.5	53.6	57.4	-36.78	-2,917.2	-1,200.7	267.0	207.8	59.21	4.510				
7,900.0	7,236.4	8,001.6	7,236.4	53.6	57.4	-65.48	-2,917.2	-1,200.7	267.5	208.3	59.14	4.523				
8,000.0	7,336.4	8,101.5	7,336.3	53.6	57.5	-65.48	-2,917.2	-1,200.8	267.5	208.2	59.30	4.510				
8,100.0	7,436.4	8,201.5	7,436.3	53.7	57.5	-65.48	-2,917.3	-1,200.9	267.5	208.0	59.47	4.498				
8,200.0	7,536.4	8,301.4	7,536.2	53.7	57.5	-65.48	-2,917.4	-1,201.0	267.5	207.8	59.64	4.485				
8,300.0	7,636.4	8,401.4	7,636.2	53.8	57.6	-65.48	-2,917.5	-1,201.1	267.5	207.7	59.82	4.472				
8,400.0	7,736.4	8,501.3	7,736.1	53.8	57.6	-65.48	-2,917.6	-1,201.3	267.5	207.5	60.00	4.459				
8,500.0	7,836.4	8,601.3	7,836.1	53.9	57.7	-65.48	-2,917.7	-1,201.5	267.5	207.3	60.18	4.446				
8,600.0	7,936.4	8,701.2	7,936.1	53.9	57.7	-65.48	-2,917.9	-1,201.7	267.5	207.2	60.36	4.432				
8,700.0	8,036.4	8,801.2	8,036.0	54.0	57.8	-65.48	-2,918.0	-1,202.0	267.6	207.0	60.55	4.419				
8,800.0	8,136.4	8,901.1	8,136.0	54.0	57.8	-65.48	-2,918.2	-1,202.3	267.6	206.8	60.73	4.406				
8,900.0	8,236.4	9,001.1	8,235.9	54.1	57.9	-65.48	-2,918.5	-1,202.6	267.6	206.7	60.93	4.392				
9,000.0	8,336.4	9,101.0	8,335.9	54.2	57.9	-65.48	-2,918.7	-1,203.0	267.6	206.5	61.12	4.379				
9,100.0	8,436.4	9,201.0	8,435.8	54.2	58.0	-65.49	-2,919.0	-1,203.4	267.6	206.3	61.32	4.365				
9,200.0	8,536.4	9,300.9	8,535.8	54.3	58.1	-65.49	-2,919.2	-1,203.8	267.7	206.2	61.52	4.351				
9,300.0	8,636.4	9,400.9	8,635.7	54.3	58.1	-65.49	-2,919.5	-1,204.2	267.7	206.0	61.72	4.337				
9,400.0	8,736.4	9,500.8	8,735.7	54.4	58.2	-65.49	-2,919.9	-1,204.7	267.7	205.8	61.92	4.324				
9,500.0	8,836.4	9,600.8	8,835.6	54.5	58.2	-65.50	-2,920.2	-1,205.3	267.8	205.6	62.13	4.310				
9,600.0	8,936.4	9,700.8	8,935.6	54.5	58.3	-65.50	-2,920.6	-1,205.8	267.8	205.5	62.34	4.296				
9,700.0	9,036.4	9,800.8	9,035.6	54.6	58.3	-65.51	-2,921.0	-1,206.4	267.8	205.3	62.56	4.281				
9,800.0	9,136.4	9,900.8	9,135.6	54.6	58.4	-65.53	-2,921.3	-1,206.9	267.8	205.0	62.80	4.265				
9,900.0	9,236.4	10,000.8	9,235.6	54.7	58.5	-65.55	-2,921.7	-1,207.5	267.8	204.8	63.04	4.248				
10,000.0	9,336.4	10,100.8	9,335.6	54.8	58.5	-65.57	-2,922.1	-1,208.0	267.8	204.5	63.28	4.232				
10,100.0	9,436.4	10,200.8	9,435.6	54.8	58.6	-65.60	-2,922.4	-1,208.6	267.8	204.3	63.53	4.216				
10,200.0	9,536.4	10,300.8	9,535.6	54.9	58.7	-65.62	-2,922.8	-1,209.2	267.8	204.0	63.77	4.199				

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15D-04 H04 596 - DD - Plan #1												Offset Site Error: 0.0 ft	
Survey Program: 0-MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis		Separation Factor
10,300.0	9,636.4	10,400.8	9,635.6	55.0	58.7	-65.65	-2,923.2	-1,209.7	267.8	203.8	64.02	4.183	
10,400.0	9,736.4	10,500.8	9,735.6	55.0	58.8	-65.67	-2,923.6	-1,210.3	267.8	203.5	64.27	4.167	
10,500.0	9,836.4	10,600.8	9,835.6	55.1	58.8	-65.69	-2,923.9	-1,210.8	267.8	203.3	64.52	4.150	
10,600.0	9,936.4	10,700.8	9,935.6	55.2	58.9	-65.72	-2,924.3	-1,211.4	267.8	203.0	64.77	4.134	
10,700.0	10,036.4	10,800.8	10,035.6	55.2	59.0	-65.74	-2,924.7	-1,212.0	267.8	202.7	65.02	4.118	
10,800.0	10,136.4	10,900.8	10,135.5	55.3	59.0	-65.76	-2,925.0	-1,212.5	267.8	202.5	65.27	4.102	
10,900.0	10,236.4	11,000.8	10,235.5	55.4	59.1	-65.79	-2,925.4	-1,213.1	267.7	202.2	65.52	4.086	
11,000.0	10,336.4	11,100.8	10,335.5	55.5	59.2	-65.81	-2,925.8	-1,213.6	267.7	202.0	65.78	4.070	
11,100.0	10,436.4	11,200.8	10,435.5	55.5	59.2	-65.83	-2,926.2	-1,214.2	267.7	201.7	66.03	4.055	
11,200.0	10,536.4	11,300.8	10,535.5	55.6	59.3	-65.86	-2,926.5	-1,214.7	267.7	201.4	66.29	4.039	
11,300.0	10,636.4	11,400.8	10,635.5	55.7	59.4	-65.88	-2,926.9	-1,215.3	267.7	201.2	66.54	4.023	
11,400.0	10,736.4	11,500.8	10,735.5	55.7	59.4	-65.91	-2,927.3	-1,215.9	267.7	200.9	66.80	4.008	
11,500.0	10,836.4	11,600.8	10,835.5	55.8	59.5	-65.93	-2,927.6	-1,216.4	267.7	200.6	67.06	3.992	
11,600.0	10,936.4	11,700.8	10,935.5	55.9	59.6	-65.95	-2,928.0	-1,217.0	267.7	200.4	67.32	3.977	
11,700.0	11,036.4	11,800.8	11,035.5	56.0	59.6	-65.98	-2,928.4	-1,217.5	267.7	200.1	67.58	3.961	
11,800.0	11,136.3	11,900.8	11,135.5	56.0	59.7	-66.00	-2,928.7	-1,218.1	267.7	199.8	67.84	3.946	
11,900.0	11,236.3	12,000.8	11,235.5	56.1	59.8	-66.02	-2,929.1	-1,218.7	267.7	199.6	68.10	3.931	
12,000.0	11,336.3	12,100.8	11,335.5	56.2	59.8	-66.05	-2,929.5	-1,219.2	267.7	199.3	68.36	3.915	
12,100.0	11,436.3	12,200.8	11,435.5	56.3	59.9	-66.07	-2,929.9	-1,219.8	267.7	199.0	68.62	3.900	
12,200.0	11,536.3	12,300.8	11,535.5	56.3	60.0	-66.10	-2,930.2	-1,220.3	267.7	198.8	68.89	3.885	
12,300.0	11,636.3	12,400.8	11,635.5	56.4	60.1	-66.12	-2,930.6	-1,220.9	267.6	198.5	69.15	3.870	
12,400.0	11,736.3	12,500.8	11,735.5	56.5	60.1	-66.14	-2,931.0	-1,221.4	267.6	198.2	69.42	3.855	
12,500.0	11,836.3	12,600.8	11,835.5	56.6	60.2	-66.17	-2,931.3	-1,222.0	267.6	197.9	69.69	3.841	
12,600.0	11,936.3	12,700.8	11,935.5	56.6	60.3	-66.19	-2,931.7	-1,222.6	267.6	197.7	69.95	3.826	
12,700.0	12,036.3	12,800.8	12,035.5	56.7	60.4	-66.21	-2,932.1	-1,223.1	267.6	197.4	70.22	3.811	
12,800.0	12,136.3	12,900.8	12,135.5	56.8	60.4	-66.24	-2,932.5	-1,223.7	267.6	197.1	70.49	3.796	
12,867.6	12,203.9	12,968.3	12,203.1	56.9	60.5	-66.25	-2,932.7	-1,224.1	267.6	196.9	70.67	3.787	
12,900.0	12,236.3	13,000.0	12,234.7	56.9	60.5	-66.26	-2,932.8	-1,224.2	267.6	196.9	70.76	3.782 SF	
13,000.0	12,336.3	13,000.0	12,234.7	57.0	60.5	-66.26	-2,932.8	-1,224.2	285.9	215.1	70.88	4.034	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15E-04 H04 596 - DD - Plan #1													Offset Site Error: 0.0 ft			
Survey Program: 0-MWD															Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance									
Measured Depth (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				
133.4	133.4	133.4	133.4	0.2	0.2	-164.10	-19.2	-5.5	20.0	19.6	0.35	57.030	CC, ES			
200.0	200.0	199.5	199.5	0.3	0.3	-163.66	-19.8	-5.8	20.6	20.0	0.58	35.404				
300.0	300.0	298.2	298.0	0.5	0.5	-160.96	-24.2	-8.3	25.7	24.7	0.93	27.484				
400.0	400.0	396.1	395.4	0.6	0.7	-157.87	-32.9	-13.4	35.8	34.6	1.29	27.758				
500.0	500.0	492.8	490.9	0.8	1.1	9.46	-45.8	-20.8	50.9	49.3	1.62	31.433				
600.0	599.9	588.4	584.6	1.0	1.4	9.31	-62.6	-30.5	67.4	65.4	1.96	34.351				
700.0	699.5	683.3	676.4	1.2	1.9	7.06	-83.3	-42.5	83.7	81.4	2.30	36.386				
800.0	798.4	777.5	766.2	1.5	2.4	6.86	-107.7	-56.6	99.8	97.2	2.64	37.838				
900.0	896.5	870.9	853.9	1.8	3.1	7.14	-135.7	-72.7	115.6	112.7	2.97	38.871				
1,000.0	993.5	963.7	939.3	2.2	3.7	7.60	-167.1	-90.8	131.2	127.8	3.31	39.579				
1,100.0	1,089.0	1,057.9	1,024.3	2.8	4.5	7.71	-202.8	-110.2	145.8	142.1	3.66	39.802				
1,200.0	1,182.8	1,152.4	1,108.2	3.4	5.3	6.71	-242.6	-127.9	158.3	154.3	4.00	39.547				
1,300.0	1,274.7	1,249.5	1,192.8	4.1	6.1	4.90	-287.1	-144.5	168.4	164.0	4.32	38.953				
1,400.0	1,364.5	1,349.2	1,279.6	4.8	7.0	3.27	-333.3	-161.3	173.9	169.3	4.64	37.437				
1,500.0	1,453.8	1,449.0	1,366.5	5.6	7.9	1.84	-379.5	-178.1	178.2	173.2	4.99	35.702				
1,600.0	1,543.0	1,548.8	1,453.3	6.4	8.8	0.48	-425.6	-195.0	182.6	177.3	5.34	34.192				
1,700.0	1,632.2	1,648.7	1,540.2	7.2	9.6	-0.81	-471.8	-211.8	187.1	181.4	5.70	32.827				
1,800.0	1,721.4	1,748.5	1,627.1	8.0	10.5	-2.04	-518.0	-228.7	191.8	185.7	6.08	31.556				
1,900.0	1,810.7	1,848.3	1,713.9	8.8	11.4	-3.22	-564.2	-245.5	196.4	190.0	6.47	30.345				
2,000.0	1,899.9	1,948.1	1,800.8	9.7	12.3	-4.34	-610.4	-262.4	201.2	194.3	6.90	29.175				
2,100.0	1,989.1	2,047.9	1,887.7	10.5	13.2	-5.40	-656.6	-279.2	206.1	198.7	7.35	28.040				
2,200.0	2,078.4	2,147.7	1,974.5	11.3	14.0	-6.42	-702.7	-296.1	211.0	203.1	7.83	26.938				
2,300.0	2,167.6	2,247.5	2,061.4	12.1	14.9	-7.39	-748.9	-312.9	215.9	207.6	8.35	25.871				
2,400.0	2,256.8	2,347.3	2,148.2	12.9	15.8	-8.32	-795.1	-329.8	221.0	212.1	8.89	24.844				
2,500.0	2,346.0	2,447.1	2,235.1	13.7	16.7	-9.21	-841.3	-346.6	226.1	216.6	9.47	23.861				
2,600.0	2,435.3	2,547.0	2,322.0	14.5	17.6	-10.05	-887.5	-363.5	231.2	221.1	10.09	22.924				
2,700.0	2,524.5	2,646.8	2,408.8	15.4	18.5	-10.86	-933.7	-380.4	236.4	225.7	10.73	22.037				
2,800.0	2,613.7	2,746.6	2,495.7	16.2	19.4	-11.64	-979.8	-397.2	241.6	230.2	11.40	21.200				
2,900.0	2,703.0	2,846.4	2,582.6	17.0	20.2	-12.38	-1,026.0	-414.1	246.9	234.8	12.10	20.413				
3,000.0	2,792.2	2,946.2	2,669.4	17.8	21.1	-13.09	-1,072.2	-430.9	252.2	239.4	12.82	19.675				
3,100.0	2,881.4	3,046.0	2,756.3	18.6	22.0	-13.77	-1,118.4	-447.8	257.6	244.0	13.57	18.985				
3,200.0	2,970.6	3,145.8	2,843.2	19.5	22.9	-14.42	-1,164.6	-464.6	263.0	248.6	14.34	18.340				
3,300.0	3,059.9	3,245.6	2,930.0	20.3	23.8	-15.05	-1,210.8	-481.5	268.4	253.3	15.13	17.738				
3,400.0	3,149.1	3,345.4	3,016.9	21.1	24.7	-15.65	-1,256.9	-498.3	273.8	257.9	15.94	17.176				
3,500.0	3,238.3	3,445.3	3,103.8	21.9	25.6	-16.23	-1,303.1	-515.2	279.3	262.5	16.77	16.653				
3,600.0	3,327.6	3,545.1	3,190.6	22.7	26.4	-16.79	-1,349.3	-532.0	284.8	267.2	17.62	16.164				
3,700.0	3,416.8	3,644.9	3,277.5	23.5	27.3	-17.32	-1,395.5	-548.9	290.4	271.9	18.48	15.708				
3,800.0	3,506.0	3,744.7	3,364.3	24.4	28.2	-17.84	-1,441.7	-565.7	295.9	276.5	19.36	15.282				
3,900.0	3,595.3	3,844.5	3,451.2	25.2	29.1	-18.33	-1,487.9	-582.6	301.5	281.2	20.26	14.884				
4,000.0	3,684.5	3,944.3	3,538.1	26.0	30.0	-18.81	-1,534.0	-599.4	307.1	285.9	21.16	14.511				
4,100.0	3,773.7	4,044.1	3,624.9	26.8	30.9	-19.27	-1,580.2	-616.3	312.7	290.6	22.08	14.162				
4,200.0	3,862.9	4,143.9	3,711.8	27.6	31.8	-19.72	-1,626.4	-633.1	318.4	295.4	23.01	13.836				
4,300.0	3,952.2	4,243.7	3,798.7	28.5	32.7	-20.15	-1,672.6	-650.0	324.0	300.1	23.95	13.529				
4,400.0	4,041.4	4,343.5	3,885.5	29.3	33.5	-20.56	-1,718.8	-666.8	329.7	304.8	24.90	13.241				
4,500.0	4,130.6	4,443.4	3,972.4	30.1	34.4	-20.96	-1,765.0	-683.7	335.4	309.5	25.86	12.969				
4,600.0	4,219.9	4,543.2	4,059.3	30.9	35.3	-21.35	-1,811.1	-700.5	341.1	314.3	26.83	12.714				
4,700.0	4,309.1	4,643.0	4,146.1	31.7	36.2	-21.72	-1,857.3	-717.4	346.8	319.0	27.81	12.474				
4,800.0	4,398.3	4,742.8	4,233.0	32.6	37.1	-22.08	-1,903.5	-734.2	352.6	323.8	28.79	12.247				
4,900.0	4,487.5	4,842.6	4,319.8	33.4	38.0	-22.44	-1,949.7	-751.1	358.3	328.5	29.78	12.032				
5,000.0	4,576.8	4,942.4	4,406.7	34.2	38.9	-22.77	-1,995.9	-767.9	364.1	333.3	30.78	11.829				

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

Cathedral Energy Services

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Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design H04 596 Pad - UWF15E-04 H04 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	4,666.0	5,042.2	4,493.6	35.0	39.7	-23.10	-2,042.1	-784.8	369.9	338.1	31.78	11.637		
5,200.0	4,755.2	5,142.0	4,580.4	35.8	40.6	-23.42	-2,088.2	-801.6	375.7	342.9	32.79	11.455		
5,300.0	4,844.5	5,241.8	4,667.3	36.7	41.5	-23.73	-2,134.4	-818.5	381.5	347.7	33.81	11.283		
5,400.0	4,933.7	5,341.7	4,754.2	37.5	42.4	-24.03	-2,180.6	-835.3	387.3	352.4	34.83	11.119		
5,500.0	5,022.9	5,441.5	4,841.0	38.3	43.3	-24.32	-2,226.8	-852.2	393.1	357.2	35.86	10.963		
5,600.0	5,112.1	5,541.3	4,927.9	39.1	44.2	-24.60	-2,273.0	-869.0	398.9	362.0	36.89	10.814		
5,700.0	5,201.4	5,641.1	5,014.8	39.9	45.1	-24.88	-2,319.2	-885.9	404.8	366.9	37.93	10.673		
5,800.0	5,290.6	5,740.9	5,101.6	40.8	46.0	-25.14	-2,365.3	-902.7	410.6	371.7	38.97	10.538		
5,900.0	5,379.8	5,840.7	5,188.5	41.6	46.8	-25.40	-2,411.5	-919.6	416.5	376.5	40.01	10.410		
6,000.0	5,469.1	5,940.5	5,275.3	42.4	47.7	-25.65	-2,457.7	-936.4	422.4	381.3	41.06	10.287		
6,100.0	5,558.3	6,040.3	5,362.2	43.2	48.6	-25.90	-2,503.9	-953.3	428.2	386.1	42.11	10.169		
6,200.0	5,647.5	6,140.1	5,449.1	44.0	49.5	-26.14	-2,550.1	-970.1	434.1	391.0	43.16	10.057		
6,300.0	5,736.7	6,240.0	5,535.9	44.9	50.4	-26.37	-2,596.3	-987.0	440.0	395.8	44.22	9.950		
6,400.0	5,826.0	6,339.8	5,622.8	45.7	51.3	-26.60	-2,642.4	-1,003.8	445.9	400.6	45.28	9.847		
6,500.0	5,915.2	6,439.6	5,709.7	46.5	52.2	-26.82	-2,688.6	-1,020.7	451.8	405.5	46.35	9.748		
6,600.0	6,004.4	6,539.4	5,796.5	47.3	53.1	-27.03	-2,734.8	-1,037.5	457.7	410.3	47.42	9.653		
6,700.0	6,093.7	6,639.2	5,883.4	48.1	53.9	-27.24	-2,781.0	-1,054.4	463.6	415.2	48.49	9.562		
6,800.0	6,182.9	6,739.0	5,970.3	49.0	54.8	-27.44	-2,827.2	-1,071.2	469.6	420.0	49.56	9.475		
6,900.0	6,272.1	6,838.8	6,057.1	49.8	55.7	-27.64	-2,873.4	-1,088.1	475.5	424.9	50.63	9.391		
7,000.0	6,361.9	6,938.6	6,143.9	50.6	56.6	-27.84	-2,919.5	-1,104.9	482.5	430.9	51.65	9.342 SF		
7,100.0	6,453.8	7,048.6	6,240.0	51.2	57.5	-27.84	-2,970.0	-1,123.3	493.6	441.2	52.34	9.430		

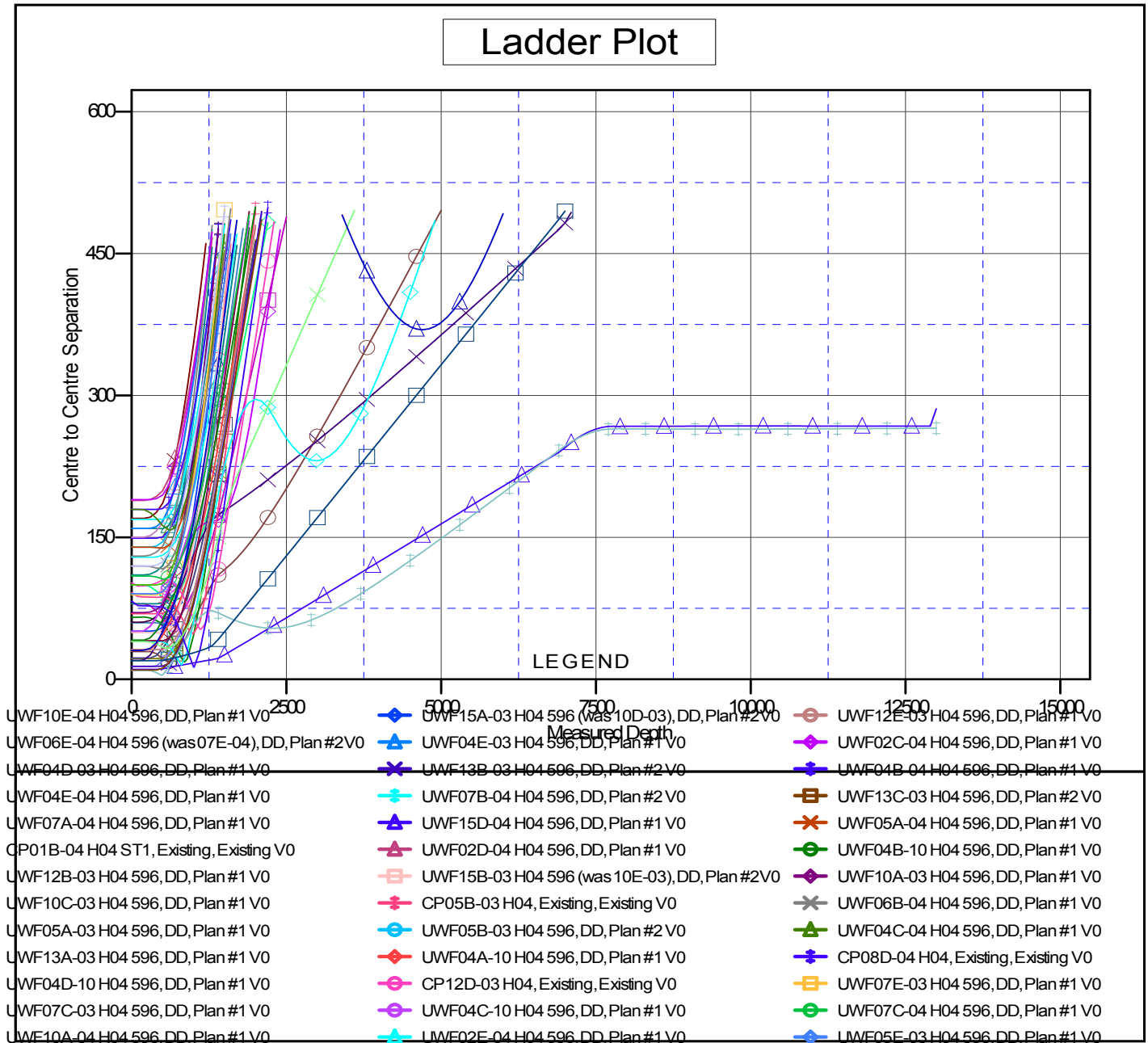
Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well UWF14C-04 H04 596 (was 15C-04)
Project:	North Piceance	TVD Reference:	WELL @ 8293.0ft (Original Well Elev)
Reference Site:	H04 596 Pad	MD Reference:	WELL @ 8293.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	UWF14C-04 H04 596 (was 15C-04)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

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

Coordinates are relative to: UWF14C-04 H04 596 (was 15C-04)
 Coordinate System is US State Plane 1983, Colorado Central Zone
 Grid Convergence at Surface is: -1.68°



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