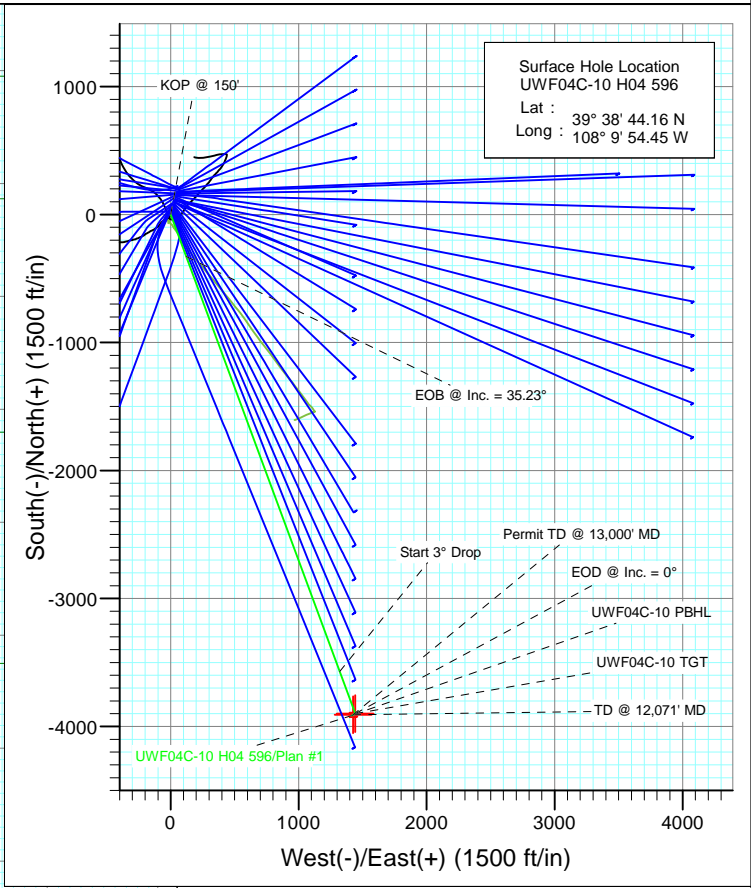


SECTION DETAILS

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	150.0	0.00	0.00	150.0	0.0	0.0	0.00	0.00	0.0	
3	1324.5	35.23	159.71	1251.8	-328.2	121.4	3.00	159.71	349.9	
4	7316.5	35.23	159.71	6146.2	-3570.4	1320.3	0.00	0.00	3806.7	
5	8491.0	0.00	0.00	7248.0	-3898.6	1441.7	3.00	180.00	4156.5	UWF04C-10 TGT
6	10300.1	0.42	239.53	9057.1	-3902.0	1435.9	0.02	239.53	4157.8	
7	12071.0	0.42	239.53	10828.0	-3908.6	1424.7	0.00	0.00	4160.2	UWF04C-10 PBHL
8	13000.0	0.42	239.53	11756.9	-3912.1	1418.7	0.00	0.00	4161.4	



T M

Azimuths to True North
 Magnetic North: 10.34°

Magnetic Field
 Strength: 52205.8snT
 Dip Angle: 65.81°
 Date: 4/18/2012
 Model: IGRF2010

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1053.0	1090.6	A GROOVE
1216.0	1280.9	B GROOVE
1256.0	1329.6	B GROOVE BASE
2050.0	2301.6	GARDEN GULCH
3134.0	3628.8	WASATCH FM
5202.0	6160.6	WASATCH G
7248.0	8491.0	WILLIAMS FORK
10828.0	12071.0	ROLLINS
11078.0	12321.0	COZZETTE
11256.0	12499.0	CORCORAN
11551.0	12794.1	UPPER SEGO

Plan #1
 UWF04C-10 H04 596
 125XXX; SC
 KBE @ 8293.0ft (Original Well Elev)
 North American Datum 1983
 Well UWF04C-10 H04 596, True North

Type TD	Target No Target (Freehand)	Azimuth 160.07	Origin Type Slot	N/S 0.0	E/W 0.0	From TVD 0.0
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	
UWF04C-10 TGT	7248.0	-3898.6	1441.7	39° 38' 5.63 N	108° 9' 36.02 W	
UWF04C-10 PBHL	10828.0	-3908.6	1424.7	39° 38' 5.53 N	108° 9' 36.24 W	

Cathedral Energy Services

Planning Report

Database: USA EDM 5000 Multi Users DB	Local Co-ordinate Reference: Well UWF04C-10 H04 596
Company: EnCana Oil & Gas (USA) Inc	TVD Reference: KBE @ 8293.0ft (Original Well Elev)
Project: North Piceance	MD Reference: KBE @ 8293.0ft (Original Well Elev)
Site: H04 Pad	North Reference: True
Well: UWF04C-10 H04 596	Survey Calculation Method: Minimum Curvature
Wellbore: DD	
Design: Plan #1	

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 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 UWF04C-10 H04 596					
Well Position	+N/-S	0.0 ft	Northing:	1,671,049.49 ft	Latitude: 39° 38' 44.16 N
	+E/-W	0.0 ft	Easting:	2,249,611.21 ft	Longitude: 108° 9' 54.45 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level: 8,260.0 ft

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

Design Plan #1				
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	160.07

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	
150.0	0.00	0.00	150.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,324.5	35.23	159.71	1,251.8	-328.2	121.4	3.00	3.00	0.00	159.71	
7,316.5	35.23	159.71	6,146.2	-3,570.4	1,320.3	0.00	0.00	0.00	0.00	
8,491.0	0.00	0.00	7,248.0	-3,898.6	1,441.7	3.00	-3.00	0.00	180.00	UWF04C-10 TGT
10,300.1	0.42	239.53	9,057.1	-3,902.0	1,435.9	0.02	0.02	-6.66	239.53	
12,071.0	0.42	239.53	10,828.0	-3,908.6	1,424.7	0.00	0.00	0.00	0.00	UWF04C-10 PBHL
13,000.0	0.42	239.53	11,756.9	-3,912.1	1,418.7	0.00	0.00	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF04C-10 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 Pad	North Reference:	True
Well:	UWF04C-10 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

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	
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	KOP @ 150'
200.0	1.50	159.71	200.0	-0.6	0.2	0.7	3.00	3.00	
300.0	4.50	159.71	299.8	-5.5	2.0	5.9	3.00	3.00	
400.0	7.50	159.71	399.3	-15.3	5.7	16.3	3.00	3.00	
500.0	10.50	159.71	498.0	-30.0	11.1	32.0	3.00	3.00	
600.0	13.50	159.71	595.8	-49.5	18.3	52.8	3.00	3.00	
700.0	16.50	159.71	692.4	-73.8	27.3	78.6	3.00	3.00	
800.0	19.50	159.71	787.5	-102.7	38.0	109.5	3.00	3.00	
900.0	22.50	159.71	880.9	-136.4	50.4	145.4	3.00	3.00	
1,000.0	25.50	159.71	972.2	-174.5	64.5	186.0	3.00	3.00	
1,090.6	28.22	159.71	1,053.0	-212.9	78.7	227.0	3.00	3.00	A GROOVE
1,100.0	28.50	159.71	1,061.3	-217.1	80.3	231.4	3.00	3.00	
1,200.0	31.50	159.71	1,147.9	-264.0	97.6	281.4	3.00	3.00	
1,280.9	33.93	159.71	1,216.0	-305.0	112.8	325.2	3.00	3.00	B GROOVE
1,300.0	34.50	159.71	1,231.8	-315.0	116.5	335.9	3.00	3.00	
1,324.5	35.23	159.71	1,251.8	-328.2	121.4	349.9	3.00	3.00	EOB @ Inc. = 35.23°
1,329.6	35.23	159.71	1,256.0	-330.9	122.4	352.8	0.00	0.00	B GROOVE BASE
1,400.0	35.23	159.71	1,313.5	-369.0	136.5	393.4	0.00	0.00	
1,500.0	35.23	159.71	1,395.2	-423.1	156.5	451.1	0.00	0.00	
1,600.0	35.23	159.71	1,476.9	-477.3	176.5	508.8	0.00	0.00	
1,700.0	35.23	159.71	1,558.6	-531.4	196.5	566.5	0.00	0.00	
1,800.0	35.23	159.71	1,640.2	-585.5	216.5	624.2	0.00	0.00	
1,900.0	35.23	159.71	1,721.9	-639.6	236.5	681.9	0.00	0.00	
2,000.0	35.23	159.71	1,803.6	-693.7	256.5	739.6	0.00	0.00	
2,100.0	35.23	159.71	1,885.3	-747.8	276.5	797.3	0.00	0.00	
2,200.0	35.23	159.71	1,967.0	-801.9	296.5	855.0	0.00	0.00	
2,300.0	35.23	159.71	2,048.7	-856.0	316.6	912.7	0.00	0.00	
2,301.6	35.23	159.71	2,050.0	-856.9	316.9	913.6	0.00	0.00	GARDEN GULCH
2,400.0	35.23	159.71	2,130.3	-910.1	336.6	970.3	0.00	0.00	
2,500.0	35.23	159.71	2,212.0	-964.2	356.6	1,028.0	0.00	0.00	
2,600.0	35.23	159.71	2,293.7	-1,018.3	376.6	1,085.7	0.00	0.00	
2,700.0	35.23	159.71	2,375.4	-1,072.5	396.6	1,143.4	0.00	0.00	
2,800.0	35.23	159.71	2,457.1	-1,126.6	416.6	1,201.1	0.00	0.00	
2,900.0	35.23	159.71	2,538.7	-1,180.7	436.6	1,258.8	0.00	0.00	
3,000.0	35.23	159.71	2,620.4	-1,234.8	456.6	1,316.5	0.00	0.00	
3,100.0	35.23	159.71	2,702.1	-1,288.9	476.6	1,374.2	0.00	0.00	
3,200.0	35.23	159.71	2,783.8	-1,343.0	496.6	1,431.9	0.00	0.00	
3,300.0	35.23	159.71	2,865.5	-1,397.1	516.7	1,489.6	0.00	0.00	
3,400.0	35.23	159.71	2,947.1	-1,451.2	536.7	1,547.2	0.00	0.00	
3,500.0	35.23	159.71	3,028.8	-1,505.3	556.7	1,604.9	0.00	0.00	
3,600.0	35.23	159.71	3,110.5	-1,559.4	576.7	1,662.6	0.00	0.00	
3,628.8	35.23	159.71	3,134.0	-1,575.0	582.4	1,679.2	0.00	0.00	WASATCH FM
3,700.0	35.23	159.71	3,192.2	-1,613.6	596.7	1,720.3	0.00	0.00	
3,800.0	35.23	159.71	3,273.9	-1,667.7	616.7	1,778.0	0.00	0.00	
3,900.0	35.23	159.71	3,355.5	-1,721.8	636.7	1,835.7	0.00	0.00	
4,000.0	35.23	159.71	3,437.2	-1,775.9	656.7	1,893.4	0.00	0.00	
4,100.0	35.23	159.71	3,518.9	-1,830.0	676.7	1,951.1	0.00	0.00	
4,200.0	35.23	159.71	3,600.6	-1,884.1	696.7	2,008.8	0.00	0.00	
4,300.0	35.23	159.71	3,682.3	-1,938.2	716.8	2,066.5	0.00	0.00	
4,400.0	35.23	159.71	3,763.9	-1,992.3	736.8	2,124.1	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF04C-10 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 Pad	North Reference:	True
Well:	UWF04C-10 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,500.0	35.23	159.71	3,845.6	-2,046.4	756.8	2,181.8	0.00	0.00	
4,600.0	35.23	159.71	3,927.3	-2,100.5	776.8	2,239.5	0.00	0.00	
4,700.0	35.23	159.71	4,009.0	-2,154.7	796.8	2,297.2	0.00	0.00	
4,800.0	35.23	159.71	4,090.7	-2,208.8	816.8	2,354.9	0.00	0.00	
4,900.0	35.23	159.71	4,172.4	-2,262.9	836.8	2,412.6	0.00	0.00	
5,000.0	35.23	159.71	4,254.0	-2,317.0	856.8	2,470.3	0.00	0.00	
5,100.0	35.23	159.71	4,335.7	-2,371.1	876.8	2,528.0	0.00	0.00	
5,200.0	35.23	159.71	4,417.4	-2,425.2	896.8	2,585.7	0.00	0.00	
5,300.0	35.23	159.71	4,499.1	-2,479.3	916.8	2,643.4	0.00	0.00	
5,400.0	35.23	159.71	4,580.8	-2,533.4	936.9	2,701.0	0.00	0.00	
5,500.0	35.23	159.71	4,662.4	-2,587.5	956.9	2,758.7	0.00	0.00	
5,600.0	35.23	159.71	4,744.1	-2,641.6	976.9	2,816.4	0.00	0.00	
5,700.0	35.23	159.71	4,825.8	-2,695.8	996.9	2,874.1	0.00	0.00	
5,800.0	35.23	159.71	4,907.5	-2,749.9	1,016.9	2,931.8	0.00	0.00	
5,900.0	35.23	159.71	4,989.2	-2,804.0	1,036.9	2,989.5	0.00	0.00	
6,000.0	35.23	159.71	5,070.8	-2,858.1	1,056.9	3,047.2	0.00	0.00	
6,100.0	35.23	159.71	5,152.5	-2,912.2	1,076.9	3,104.9	0.00	0.00	
6,160.6	35.23	159.71	5,202.0	-2,945.0	1,089.0	3,139.8	0.00	0.00	WASATCH G
6,200.0	35.23	159.71	5,234.2	-2,966.3	1,096.9	3,162.6	0.00	0.00	
6,300.0	35.23	159.71	5,315.9	-3,020.4	1,116.9	3,220.3	0.00	0.00	
6,400.0	35.23	159.71	5,397.6	-3,074.5	1,137.0	3,277.9	0.00	0.00	
6,500.0	35.23	159.71	5,479.2	-3,128.6	1,157.0	3,335.6	0.00	0.00	
6,600.0	35.23	159.71	5,560.9	-3,182.7	1,177.0	3,393.3	0.00	0.00	
6,700.0	35.23	159.71	5,642.6	-3,236.9	1,197.0	3,451.0	0.00	0.00	
6,800.0	35.23	159.71	5,724.3	-3,291.0	1,217.0	3,508.7	0.00	0.00	
6,900.0	35.23	159.71	5,806.0	-3,345.1	1,237.0	3,566.4	0.00	0.00	
7,000.0	35.23	159.71	5,887.6	-3,399.2	1,257.0	3,624.1	0.00	0.00	
7,100.0	35.23	159.71	5,969.3	-3,453.3	1,277.0	3,681.8	0.00	0.00	
7,200.0	35.23	159.71	6,051.0	-3,507.4	1,297.0	3,739.5	0.00	0.00	
7,300.0	35.23	159.71	6,132.7	-3,561.5	1,317.0	3,797.2	0.00	0.00	
7,316.5	35.23	159.71	6,146.2	-3,570.4	1,320.3	3,806.7	0.00	0.00	Start 3° Drop
7,400.0	32.73	159.71	6,215.4	-3,614.2	1,336.5	3,853.3	3.00	-3.00	
7,500.0	29.73	159.71	6,300.9	-3,662.8	1,354.5	3,905.2	3.00	-3.00	
7,600.0	26.73	159.71	6,389.0	-3,707.2	1,370.9	3,952.5	3.00	-3.00	
7,700.0	23.73	159.71	6,479.4	-3,747.2	1,385.7	3,995.1	3.00	-3.00	
7,800.0	20.73	159.71	6,572.0	-3,782.6	1,398.8	4,032.9	3.00	-3.00	
7,900.0	17.73	159.71	6,666.4	-3,813.5	1,410.2	4,065.8	3.00	-3.00	
8,000.0	14.73	159.71	6,762.4	-3,839.7	1,419.9	4,093.8	3.00	-3.00	
8,100.0	11.73	159.71	6,859.8	-3,861.2	1,427.9	4,116.7	3.00	-3.00	
8,200.0	8.73	159.71	6,958.2	-3,877.9	1,434.0	4,134.4	3.00	-3.00	
8,300.0	5.73	159.71	7,057.3	-3,889.7	1,438.4	4,147.0	3.00	-3.00	
8,400.0	2.73	159.71	7,157.1	-3,896.6	1,440.9	4,154.4	3.00	-3.00	
8,491.0	0.00	0.00	7,248.0	-3,898.6	1,441.7	4,156.5	3.00	-3.00	EOD @ Inc. = 0° - WILLIAMS FORK
8,500.0	0.00	239.53	7,257.0	-3,898.6	1,441.7	4,156.5	0.02	0.02	
8,600.0	0.03	239.53	7,357.0	-3,898.6	1,441.7	4,156.6	0.02	0.02	
8,700.0	0.05	239.53	7,457.0	-3,898.6	1,441.6	4,156.6	0.02	0.02	
8,800.0	0.07	239.53	7,557.0	-3,898.7	1,441.5	4,156.6	0.02	0.02	
8,900.0	0.10	239.53	7,657.0	-3,898.8	1,441.4	4,156.6	0.02	0.02	
9,000.0	0.12	239.53	7,757.0	-3,898.9	1,441.2	4,156.6	0.02	0.02	
9,100.0	0.14	239.53	7,857.0	-3,899.0	1,441.0	4,156.7	0.02	0.02	
9,200.0	0.17	239.53	7,957.0	-3,899.1	1,440.8	4,156.7	0.02	0.02	
9,300.0	0.19	239.53	8,057.0	-3,899.3	1,440.5	4,156.8	0.02	0.02	

Cathedral Energy Services

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: North Piceance
Site: H04 Pad
Well: UWF04C-10 H04 596
Wellbore: DD
Design: Plan #1

Local Co-ordinate Reference: Well UWF04C-10 H04 596
TVD Reference: KBE @ 8293.0ft (Original Well Elev)
MD Reference: KBE @ 8293.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
9,400.0	0.21	239.53	8,157.0	-3,899.5	1,440.2	4,156.9	0.02	0.02	
9,500.0	0.24	239.53	8,257.0	-3,899.7	1,439.9	4,156.9	0.02	0.02	
9,600.0	0.26	239.53	8,357.0	-3,899.9	1,439.5	4,157.0	0.02	0.02	
9,700.0	0.28	239.53	8,457.0	-3,900.1	1,439.1	4,157.1	0.02	0.02	
9,800.0	0.31	239.53	8,557.0	-3,900.4	1,438.7	4,157.2	0.02	0.02	
9,900.0	0.33	239.53	8,657.0	-3,900.7	1,438.2	4,157.3	0.02	0.02	
10,000.0	0.35	239.53	8,757.0	-3,901.0	1,437.7	4,157.4	0.02	0.02	
10,100.0	0.38	239.53	8,857.0	-3,901.3	1,437.1	4,157.5	0.02	0.02	
10,200.0	0.40	239.53	8,957.0	-3,901.6	1,436.6	4,157.6	0.02	0.02	
10,300.1	0.42	239.53	9,057.1	-3,902.0	1,435.9	4,157.8	0.02	0.02	
10,400.0	0.42	239.53	9,157.0	-3,902.4	1,435.3	4,157.9	0.00	0.00	
10,500.0	0.42	239.53	9,257.0	-3,902.7	1,434.7	4,158.0	0.00	0.00	
10,600.0	0.42	239.53	9,357.0	-3,903.1	1,434.0	4,158.2	0.00	0.00	
10,700.0	0.42	239.53	9,457.0	-3,903.5	1,433.4	4,158.3	0.00	0.00	
10,800.0	0.42	239.53	9,557.0	-3,903.9	1,432.8	4,158.4	0.00	0.00	
10,900.0	0.42	239.53	9,657.0	-3,904.2	1,432.1	4,158.6	0.00	0.00	
11,000.0	0.42	239.53	9,757.0	-3,904.6	1,431.5	4,158.7	0.00	0.00	
11,100.0	0.42	239.53	9,857.0	-3,905.0	1,430.8	4,158.9	0.00	0.00	
11,200.0	0.42	239.53	9,957.0	-3,905.4	1,430.2	4,159.0	0.00	0.00	
11,300.0	0.42	239.53	10,057.0	-3,905.7	1,429.6	4,159.1	0.00	0.00	
11,400.0	0.42	239.53	10,157.0	-3,906.1	1,428.9	4,159.3	0.00	0.00	
11,500.0	0.42	239.53	10,257.0	-3,906.5	1,428.3	4,159.4	0.00	0.00	
11,600.0	0.42	239.53	10,357.0	-3,906.9	1,427.7	4,159.5	0.00	0.00	
11,700.0	0.42	239.53	10,457.0	-3,907.2	1,427.0	4,159.7	0.00	0.00	
11,800.0	0.42	239.53	10,557.0	-3,907.6	1,426.4	4,159.8	0.00	0.00	
11,900.0	0.42	239.53	10,657.0	-3,908.0	1,425.7	4,159.9	0.00	0.00	
12,000.0	0.42	239.53	10,757.0	-3,908.4	1,425.1	4,160.1	0.00	0.00	
12,071.0	0.42	239.53	10,828.0	-3,908.6	1,424.7	4,160.2	0.00	0.00	TD @ 12,071' MD - ROLLINS
12,100.0	0.42	239.53	10,857.0	-3,908.7	1,424.5	4,160.2	0.00	0.00	
12,200.0	0.42	239.53	10,957.0	-3,909.1	1,423.8	4,160.3	0.00	0.00	
12,300.0	0.42	239.53	11,057.0	-3,909.5	1,423.2	4,160.5	0.00	0.00	
12,321.0	0.42	239.53	11,078.0	-3,909.6	1,423.1	4,160.5	0.00	0.00	COZZETTE
12,400.0	0.42	239.53	11,157.0	-3,909.9	1,422.6	4,160.6	0.00	0.00	
12,499.0	0.42	239.53	11,256.0	-3,910.2	1,421.9	4,160.7	0.00	0.00	CORCORAN
12,500.0	0.42	239.53	11,257.0	-3,910.2	1,421.9	4,160.7	0.00	0.00	
12,600.0	0.42	239.53	11,357.0	-3,910.6	1,421.3	4,160.9	0.00	0.00	
12,700.0	0.42	239.53	11,456.9	-3,911.0	1,420.6	4,161.0	0.00	0.00	
12,794.1	0.42	239.53	11,551.0	-3,911.3	1,420.0	4,161.1	0.00	0.00	UPPER SEGO
12,800.0	0.42	239.53	11,556.9	-3,911.4	1,420.0	4,161.2	0.00	0.00	
12,900.0	0.42	239.53	11,656.9	-3,911.7	1,419.4	4,161.3	0.00	0.00	
13,000.0	0.42	239.53	11,756.9	-3,912.1	1,418.7	4,161.4	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 UWF04C-10 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 Pad	North Reference:	True
Well:	UWF04C-10 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
UWF04C-10 TGT - plan hits target center - Point	0.00	0.00	7,248.0	-3,898.6	1,441.7	1,667,110.28	2,250,937.94	39° 38' 5.63 N	108° 9' 36.02 W
UWF04C-10 PBHL - plan hits target center - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	10,828.0	-3,908.6	1,424.7	1,667,100.75	2,250,920.60	39° 38' 5.53 N	108° 9' 36.24 W

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,090.6	1,053.0	A GROOVE				
1,280.9	1,216.0	B GROOVE				
1,329.6	1,256.0	B GROOVE BASE				
2,301.6	2,050.0	GARDEN GULCH				
3,628.8	3,134.0	WASATCH FM				
6,160.6	5,202.0	WASATCH G				
8,491.0	7,248.0	WILLIAMS FORK				
12,071.0	10,828.0	ROLLINS				
12,321.0	11,078.0	COZZETTE				
12,499.0	11,256.0	CORCORAN				
12,794.1	11,551.0	UPPER SEGO				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S	+E/-W		
		(ft)	(ft)		
150.0	150.0	0.0	0.0	KOP @ 150'	
1,324.5	1,251.8	-328.2	121.4	EOB @ Inc. = 35.23°	
7,316.5	6,146.2	-3,570.4	1,320.3	Start 3° Drop	
8,491.0	7,248.0	-3,898.6	1,441.7	EOD @ Inc. = 0°	
12,071.0	10,828.0	-3,908.6	1,424.7	TD @ 12,071' MD	
13,000.0	11,756.9	-3,912.1	1,418.7	Permit TD @ 13,000' MD	