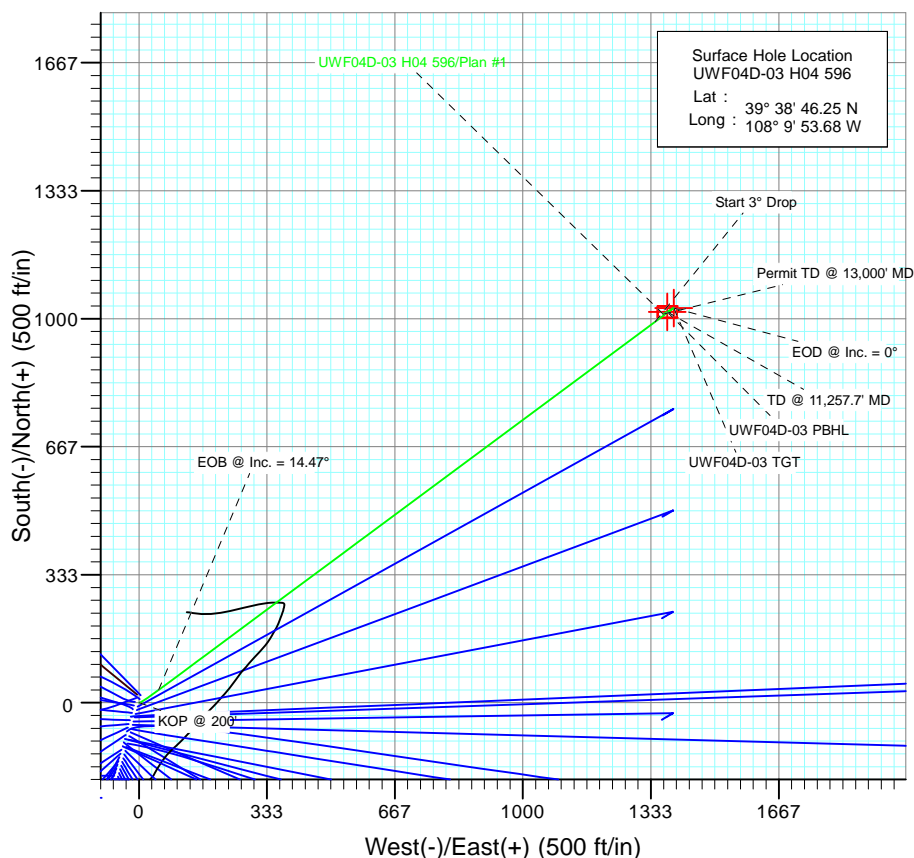


#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	250.0	1.50	90.00	250.0	0.0	0.7	3.00	90.00	0.5	
4	693.1	14.47	53.45	688.0	33.1	51.2	3.00	-40.33	60.8	UWF04D-03 TGT
5	7135.3	14.47	53.45	6925.8	991.8	1344.2	0.00	0.00	1670.5	UWF04D-03 PBHL
6	7617.6	0.00	0.00	7403.0	1027.9	1392.9	3.00	180.00	1731.1	
7	9431.7	0.41	239.66	9217.0	1024.6	1387.2	0.02	239.66	1724.6	
8	11257.7	0.41	239.66	11043.0	1017.9	1375.9	0.00	0.00	1711.5	
9	13000.0	0.41	239.66	12785.3	1011.6	1365.0	0.00	0.00	1699.0	



Azimuths to True North  
Magnetic North: 10.34°

Magnetic Field  
Strength: 52206.2snT  
Dip Angle: 65.81°  
Date: 4/18/2012  
Model: IGRF2010

#### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1107.0	1125.9	A GROOVE
1265.0	1289.0	B GROOVE
1305.0	1330.4	B GROOVE BASE
2167.0	2220.6	GARDEN GULCH
3223.0	3311.2	WASATCH FM
5359.0	5517.2	WASATCH G
7403.0	7617.6	WILLIAMS FORK
11043.0	11257.7	ROLLINS
11273.0	11487.7	COZZETTE
11450.0	11664.7	CORCORAN
11740.0	11954.7	UPPER SEGO

Plan #1  
UWF04D-03 H04 596  
125XXX; SC  
KBE @ 8293.0ft (Original Well Elev)  
North American Datum 1983  
Well UWF04D-03 H04 596, True North

Type	Target	Azimuth	Origin	N/S	E/W	From
TD	No Target (Freehand)	53.46	Slot	0.0	0.0	TVD
Name		TVD	+N/-S	+E/-W	Latitude	Longitude
UWF04D-03 TGT		7403.0	1027.9	1392.9	39° 38' 56.41 N	108° 9' 35.87 W
UWF04D-03 PBHL		11043.0	1017.9	1375.9	39° 38' 56.31 N	108° 9' 36.09 W

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF04D-03 H04 596
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KBE @ 8293.0ft (Original Well Elev)
<b>Project:</b>	North Piceance	<b>MD Reference:</b>	KBE @ 8293.0ft (Original Well Elev)
<b>Site:</b>	H04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF04D-03 H04 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	Plan #1		

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

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	UWF04D-03 H04 596					
Well Position	+N/-S	0.0 ft	Northing:	1,671,259.10 ft	Latitude:	39° 38' 46.25 N
	+E/-W	0.0 ft	Easting:	2,249,677.62 ft	Longitude:	108° 9' 53.68 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	8,260.0 ft

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

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	53.46

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
250.0	1.50	90.00	250.0	0.0	0.7	3.00	3.00	0.00	90.00	
693.1	14.47	53.45	688.0	33.1	51.2	3.00	2.93	-8.25	-40.33	
7,135.3	14.47	53.45	6,925.8	991.8	1,344.2	0.00	0.00	0.00	0.00	
7,617.6	0.00	0.00	7,403.0	1,027.9	1,392.9	3.00	-3.00	0.00	180.00	UWF04D-03 TGT
9,431.7	0.41	239.66	9,217.0	1,024.6	1,387.2	0.02	0.02	-6.63	239.66	
11,257.7	0.41	239.66	11,043.0	1,017.9	1,375.9	0.00	0.00	0.00	0.00	UWF04D-03 PBHL
13,000.0	0.41	239.66	12,785.3	1,011.6	1,365.0	0.00	0.00	0.00	0.00	

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF04D-03 H04 596
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KBE @ 8293.0ft (Original Well Elev)
<b>Project:</b>	North Piceance	<b>MD Reference:</b>	KBE @ 8293.0ft (Original Well Elev)
<b>Site:</b>	H04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF04D-03 H04 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	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	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	KOP @ 200'
250.0	1.50	90.00	250.0	0.0	0.7	0.5	3.00	3.00	
300.0	2.82	69.83	300.0	0.4	2.5	2.2	3.00	2.63	
400.0	5.73	59.41	399.7	3.8	9.1	9.6	3.00	2.91	
500.0	8.70	56.04	498.9	10.6	19.6	22.1	3.00	2.97	
600.0	11.68	54.38	597.3	20.7	34.1	39.7	3.00	2.99	
693.1	14.47	53.45	688.0	33.1	51.1	60.8	3.00	2.99	EOB @ Inc. = 14.47°
700.0	14.47	53.45	694.6	34.1	52.5	62.5	0.02	0.02	
800.0	14.47	53.45	791.5	49.0	72.6	87.5	0.00	0.00	
900.0	14.47	53.45	888.3	63.9	92.7	112.5	0.00	0.00	
1,000.0	14.47	53.45	985.1	78.8	112.7	137.5	0.00	0.00	
1,100.0	14.47	53.45	1,082.0	93.7	132.8	162.5	0.00	0.00	
1,125.9	14.47	53.45	1,107.0	97.5	138.0	168.9	0.00	0.00	A GROOVE
1,200.0	14.47	53.45	1,178.8	108.6	152.9	187.5	0.00	0.00	
1,289.0	14.47	53.45	1,265.0	121.8	170.8	209.7	0.00	0.00	B GROOVE
1,300.0	14.47	53.45	1,275.6	123.4	173.0	212.5	0.00	0.00	
1,330.4	14.47	53.45	1,305.0	128.0	179.1	220.0	0.00	0.00	B GROOVE BASE
1,400.0	14.47	53.45	1,372.4	138.3	193.0	237.4	0.00	0.00	
1,500.0	14.47	53.45	1,469.3	153.2	213.1	262.4	0.00	0.00	
1,600.0	14.47	53.45	1,566.1	168.1	233.2	287.4	0.00	0.00	
1,700.0	14.47	53.45	1,662.9	183.0	253.2	312.4	0.00	0.00	
1,800.0	14.47	53.45	1,759.7	197.8	273.3	337.4	0.00	0.00	
1,900.0	14.47	53.45	1,856.6	212.7	293.4	362.4	0.00	0.00	
2,000.0	14.47	53.45	1,953.4	227.6	313.5	387.4	0.00	0.00	
2,100.0	14.47	53.45	2,050.2	242.5	333.5	412.3	0.00	0.00	
2,200.0	14.47	53.45	2,147.1	257.4	353.6	437.3	0.00	0.00	
2,220.6	14.47	53.45	2,167.0	260.4	357.7	442.5	0.00	0.00	GARDEN GULCH
2,300.0	14.47	53.45	2,243.9	272.2	373.7	462.3	0.00	0.00	
2,400.0	14.47	53.45	2,340.7	287.1	393.8	487.3	0.00	0.00	
2,500.0	14.47	53.45	2,437.5	302.0	413.8	512.3	0.00	0.00	
2,600.0	14.47	53.45	2,534.4	316.9	433.9	537.3	0.00	0.00	
2,700.0	14.47	53.45	2,631.2	331.8	454.0	562.3	0.00	0.00	
2,800.0	14.47	53.45	2,728.0	346.7	474.0	587.3	0.00	0.00	
2,900.0	14.47	53.45	2,824.9	361.5	494.1	612.2	0.00	0.00	
3,000.0	14.47	53.45	2,921.7	376.4	514.2	637.2	0.00	0.00	
3,100.0	14.47	53.45	3,018.5	391.3	534.3	662.2	0.00	0.00	
3,200.0	14.47	53.45	3,115.3	406.2	554.3	687.2	0.00	0.00	
3,300.0	14.47	53.45	3,212.2	421.1	574.4	712.2	0.00	0.00	
3,311.2	14.47	53.45	3,223.0	422.7	576.6	715.0	0.00	0.00	WASATCH FM
3,400.0	14.47	53.45	3,309.0	435.9	594.5	737.2	0.00	0.00	
3,500.0	14.47	53.45	3,405.8	450.8	614.5	762.2	0.00	0.00	
3,600.0	14.47	53.45	3,502.7	465.7	634.6	787.2	0.00	0.00	
3,700.0	14.47	53.45	3,599.5	480.6	654.7	812.1	0.00	0.00	
3,800.0	14.47	53.45	3,696.3	495.5	674.8	837.1	0.00	0.00	
3,900.0	14.47	53.45	3,793.1	510.4	694.8	862.1	0.00	0.00	
4,000.0	14.47	53.45	3,890.0	525.2	714.9	887.1	0.00	0.00	
4,100.0	14.47	53.45	3,986.8	540.1	735.0	912.1	0.00	0.00	
4,200.0	14.47	53.45	4,083.6	555.0	755.0	937.1	0.00	0.00	
4,300.0	14.47	53.45	4,180.4	569.9	775.1	962.1	0.00	0.00	
4,400.0	14.47	53.45	4,277.3	584.8	795.2	987.0	0.00	0.00	

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF04D-03 H04 596
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KBE @ 8293.0ft (Original Well Elev)
<b>Project:</b>	North Piceance	<b>MD Reference:</b>	KBE @ 8293.0ft (Original Well Elev)
<b>Site:</b>	H04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF04D-03 H04 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	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	14.47	53.45	4,374.1	599.6	815.3	1,012.0	0.00	0.00	
4,600.0	14.47	53.45	4,470.9	614.5	835.3	1,037.0	0.00	0.00	
4,700.0	14.47	53.45	4,567.8	629.4	855.4	1,062.0	0.00	0.00	
4,800.0	14.47	53.45	4,664.6	644.3	875.5	1,087.0	0.00	0.00	
4,900.0	14.47	53.45	4,761.4	659.2	895.5	1,112.0	0.00	0.00	
5,000.0	14.47	53.45	4,858.2	674.1	915.6	1,137.0	0.00	0.00	
5,100.0	14.47	53.45	4,955.1	688.9	935.7	1,162.0	0.00	0.00	
5,200.0	14.47	53.45	5,051.9	703.8	955.8	1,186.9	0.00	0.00	
5,300.0	14.47	53.45	5,148.7	718.7	975.8	1,211.9	0.00	0.00	
5,400.0	14.47	53.45	5,245.6	733.6	995.9	1,236.9	0.00	0.00	
5,500.0	14.47	53.45	5,342.4	748.5	1,016.0	1,261.9	0.00	0.00	
5,517.2	14.47	53.45	5,359.0	751.0	1,019.4	1,266.2	0.00	0.00	WASATCH G
5,600.0	14.47	53.45	5,439.2	763.3	1,036.0	1,286.9	0.00	0.00	
5,700.0	14.47	53.45	5,536.0	778.2	1,056.1	1,311.9	0.00	0.00	
5,800.0	14.47	53.45	5,632.9	793.1	1,076.2	1,336.9	0.00	0.00	
5,900.0	14.47	53.45	5,729.7	808.0	1,096.3	1,361.8	0.00	0.00	
6,000.0	14.47	53.45	5,826.5	822.9	1,116.3	1,386.8	0.00	0.00	
6,100.0	14.47	53.45	5,923.4	837.8	1,136.4	1,411.8	0.00	0.00	
6,200.0	14.47	53.45	6,020.2	852.6	1,156.5	1,436.8	0.00	0.00	
6,300.0	14.47	53.45	6,117.0	867.5	1,176.6	1,461.8	0.00	0.00	
6,400.0	14.47	53.45	6,213.8	882.4	1,196.6	1,486.8	0.00	0.00	
6,500.0	14.47	53.45	6,310.7	897.3	1,216.7	1,511.8	0.00	0.00	
6,600.0	14.47	53.45	6,407.5	912.2	1,236.8	1,536.8	0.00	0.00	
6,700.0	14.47	53.45	6,504.3	927.0	1,256.8	1,561.7	0.00	0.00	
6,800.0	14.47	53.45	6,601.1	941.9	1,276.9	1,586.7	0.00	0.00	
6,900.0	14.47	53.45	6,698.0	956.8	1,297.0	1,611.7	0.00	0.00	
7,000.0	14.47	53.45	6,794.8	971.7	1,317.1	1,636.7	0.00	0.00	
7,100.0	14.47	53.45	6,891.6	986.6	1,337.1	1,661.7	0.00	0.00	
7,135.3	14.47	53.45	6,925.8	991.8	1,344.2	1,670.5	0.00	0.00	Start 3° Drop
7,200.0	12.53	53.45	6,988.7	1,000.8	1,356.3	1,685.6	3.00	-3.00	
7,300.0	9.53	53.45	7,086.9	1,012.2	1,371.7	1,704.7	3.00	-3.00	
7,400.0	6.53	53.45	7,185.9	1,020.5	1,382.9	1,718.7	3.00	-3.00	
7,500.0	3.53	53.45	7,285.5	1,025.7	1,390.0	1,727.5	3.00	-3.00	
7,600.0	0.53	53.45	7,385.4	1,027.9	1,392.8	1,731.0	3.00	-3.00	
7,617.6	0.00	0.00	7,403.0	1,027.9	1,392.9	1,731.1	3.00	-3.00	EOD @ Inc. = 0° - WILLIAMS FORK
7,700.0	0.02	239.66	7,485.4	1,027.9	1,392.9	1,731.1	0.02	0.02	
7,800.0	0.04	239.66	7,585.4	1,027.9	1,392.8	1,731.0	0.02	0.02	
7,900.0	0.06	239.66	7,685.4	1,027.8	1,392.7	1,730.9	0.02	0.02	
8,000.0	0.09	239.66	7,785.4	1,027.8	1,392.6	1,730.8	0.02	0.02	
8,100.0	0.11	239.66	7,885.4	1,027.7	1,392.5	1,730.6	0.02	0.02	
8,200.0	0.13	239.66	7,985.4	1,027.6	1,392.3	1,730.4	0.02	0.02	
8,300.0	0.16	239.66	8,085.4	1,027.4	1,392.1	1,730.2	0.02	0.02	
8,400.0	0.18	239.66	8,185.4	1,027.3	1,391.8	1,729.9	0.02	0.02	
8,500.0	0.20	239.66	8,285.4	1,027.1	1,391.5	1,729.5	0.02	0.02	
8,600.0	0.22	239.66	8,385.4	1,026.9	1,391.2	1,729.2	0.02	0.02	
8,700.0	0.25	239.66	8,485.4	1,026.7	1,390.9	1,728.8	0.02	0.02	
8,800.0	0.27	239.66	8,585.4	1,026.5	1,390.5	1,728.3	0.02	0.02	
8,900.0	0.29	239.66	8,685.4	1,026.3	1,390.1	1,727.8	0.02	0.02	
9,000.0	0.31	239.66	8,785.4	1,026.0	1,389.6	1,727.3	0.02	0.02	
9,100.0	0.34	239.66	8,885.4	1,025.7	1,389.1	1,726.7	0.02	0.02	
9,200.0	0.36	239.66	8,985.4	1,025.4	1,388.6	1,726.1	0.02	0.02	
9,300.0	0.38	239.66	9,085.4	1,025.1	1,388.0	1,725.5	0.02	0.02	

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF04D-03 H04 596
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KBE @ 8293.0ft (Original Well Elev)
<b>Project:</b>	North Piceance	<b>MD Reference:</b>	KBE @ 8293.0ft (Original Well Elev)
<b>Site:</b>	H04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF04D-03 H04 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	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
9,400.0	0.41	239.66	9,185.4	1,024.7	1,387.4	1,724.8	0.02	0.02	
9,431.7	0.41	239.66	9,217.0	1,024.6	1,387.2	1,724.6	0.02	0.02	
9,500.0	0.41	239.66	9,285.4	1,024.3	1,386.8	1,724.1	0.00	0.00	
9,600.0	0.41	239.66	9,385.4	1,024.0	1,386.2	1,723.4	0.00	0.00	
9,700.0	0.41	239.66	9,485.4	1,023.6	1,385.6	1,722.7	0.00	0.00	
9,800.0	0.41	239.66	9,585.4	1,023.3	1,384.9	1,721.9	0.00	0.00	
9,900.0	0.41	239.66	9,685.4	1,022.9	1,384.3	1,721.2	0.00	0.00	
10,000.0	0.41	239.66	9,785.4	1,022.5	1,383.7	1,720.5	0.00	0.00	
10,100.0	0.41	239.66	9,885.4	1,022.2	1,383.1	1,719.8	0.00	0.00	
10,200.0	0.41	239.66	9,985.4	1,021.8	1,382.4	1,719.1	0.00	0.00	
10,300.0	0.41	239.66	10,085.4	1,021.4	1,381.8	1,718.4	0.00	0.00	
10,400.0	0.41	239.66	10,185.4	1,021.1	1,381.2	1,717.6	0.00	0.00	
10,500.0	0.41	239.66	10,285.4	1,020.7	1,380.6	1,716.9	0.00	0.00	
10,600.0	0.41	239.66	10,385.4	1,020.3	1,380.0	1,716.2	0.00	0.00	
10,700.0	0.41	239.66	10,485.4	1,020.0	1,379.3	1,715.5	0.00	0.00	
10,800.0	0.41	239.66	10,585.3	1,019.6	1,378.7	1,714.8	0.00	0.00	
10,900.0	0.41	239.66	10,685.3	1,019.3	1,378.1	1,714.1	0.00	0.00	
11,000.0	0.41	239.66	10,785.3	1,018.9	1,377.5	1,713.3	0.00	0.00	
11,100.0	0.41	239.66	10,885.3	1,018.5	1,376.8	1,712.6	0.00	0.00	
11,200.0	0.41	239.66	10,985.3	1,018.2	1,376.2	1,711.9	0.00	0.00	
11,257.7	0.41	239.66	11,043.0	1,017.9	1,375.9	1,711.5	0.00	0.00	TD @ 11,257.7' MD - ROLLINS
11,300.0	0.41	239.66	11,085.3	1,017.8	1,375.6	1,711.2	0.00	0.00	
11,400.0	0.41	239.66	11,185.3	1,017.4	1,375.0	1,710.5	0.00	0.00	
11,487.7	0.41	239.66	11,273.0	1,017.1	1,374.4	1,709.9	0.00	0.00	COZZETTE
11,500.0	0.41	239.66	11,285.3	1,017.1	1,374.4	1,709.8	0.00	0.00	
11,600.0	0.41	239.66	11,385.3	1,016.7	1,373.7	1,709.0	0.00	0.00	
11,664.7	0.41	239.66	11,450.0	1,016.5	1,373.3	1,708.6	0.00	0.00	CORCORAN
11,700.0	0.41	239.66	11,485.3	1,016.3	1,373.1	1,708.3	0.00	0.00	
11,800.0	0.41	239.66	11,585.3	1,016.0	1,372.5	1,707.6	0.00	0.00	
11,900.0	0.41	239.66	11,685.3	1,015.6	1,371.9	1,706.9	0.00	0.00	
11,954.7	0.41	239.66	11,740.0	1,015.4	1,371.5	1,706.5	0.00	0.00	UPPER SEGO
12,000.0	0.41	239.66	11,785.3	1,015.2	1,371.3	1,706.2	0.00	0.00	
12,100.0	0.41	239.66	11,885.3	1,014.9	1,370.6	1,705.5	0.00	0.00	
12,200.0	0.41	239.66	11,985.3	1,014.5	1,370.0	1,704.7	0.00	0.00	
12,300.0	0.41	239.66	12,085.3	1,014.2	1,369.4	1,704.0	0.00	0.00	
12,400.0	0.41	239.66	12,185.3	1,013.8	1,368.8	1,703.3	0.00	0.00	
12,500.0	0.41	239.66	12,285.3	1,013.4	1,368.1	1,702.6	0.00	0.00	
12,600.0	0.41	239.66	12,385.3	1,013.1	1,367.5	1,701.9	0.00	0.00	
12,700.0	0.41	239.66	12,485.3	1,012.7	1,366.9	1,701.2	0.00	0.00	
12,800.0	0.41	239.66	12,585.3	1,012.3	1,366.3	1,700.4	0.00	0.00	
12,900.0	0.41	239.66	12,685.3	1,012.0	1,365.7	1,699.7	0.00	0.00	
13,000.0	0.41	239.66	12,785.3	1,011.6	1,365.0	1,699.0	0.00	0.00	Permit TD @ 13,000' MD

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF04D-03 H04 596
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KBE @ 8293.0ft (Original Well Elev)
<b>Project:</b>	North Piceance	<b>MD Reference:</b>	KBE @ 8293.0ft (Original Well Elev)
<b>Site:</b>	H04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF04D-03 H04 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	Plan #1		

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)		
UWF04D-03 PBHL	0.00	0.00	11,043.0	1,017.9	1,375.9	1,672,236.25	2,251,082.76	39° 38' 56.31 N	108° 9' 36.09 W
- plan hits target center									
- Rectangle (sides W30.0 H50.0 D0.0)									
UWF04D-03 TGT	0.00	0.00	7,403.0	1,027.9	1,392.9	1,672,245.70	2,251,100.04	39° 38' 56.41 N	108° 9' 35.87 W
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,125.9	1,107.0	A GROOVE				
1,289.0	1,265.0	B GROOVE				
1,330.4	1,305.0	B GROOVE BASE				
2,220.6	2,167.0	GARDEN GULCH				
3,311.2	3,223.0	WASATCH FM				
5,517.2	5,359.0	WASATCH G				
7,617.6	7,403.0	WILLIAMS FORK				
11,257.7	11,043.0	ROLLINS				
11,487.7	11,273.0	COZZETTE				
11,664.7	11,450.0	CORCORAN				
11,954.7	11,740.0	UPPER SEGO				

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP @ 200'
693.1	688.0	33.1	51.1	EOB @ Inc. = 14.47°
7,135.3	6,925.8	991.8	1,344.2	Start 3° Drop
7,617.6	7,403.0	1,027.9	1,392.9	EOD @ Inc. = 0°
11,257.7	11,043.0	1,017.9	1,375.9	TD @ 11,257.7' MD
13,000.0	12,785.3	1,011.6	1,365.0	Permit TD @ 13,000' MD