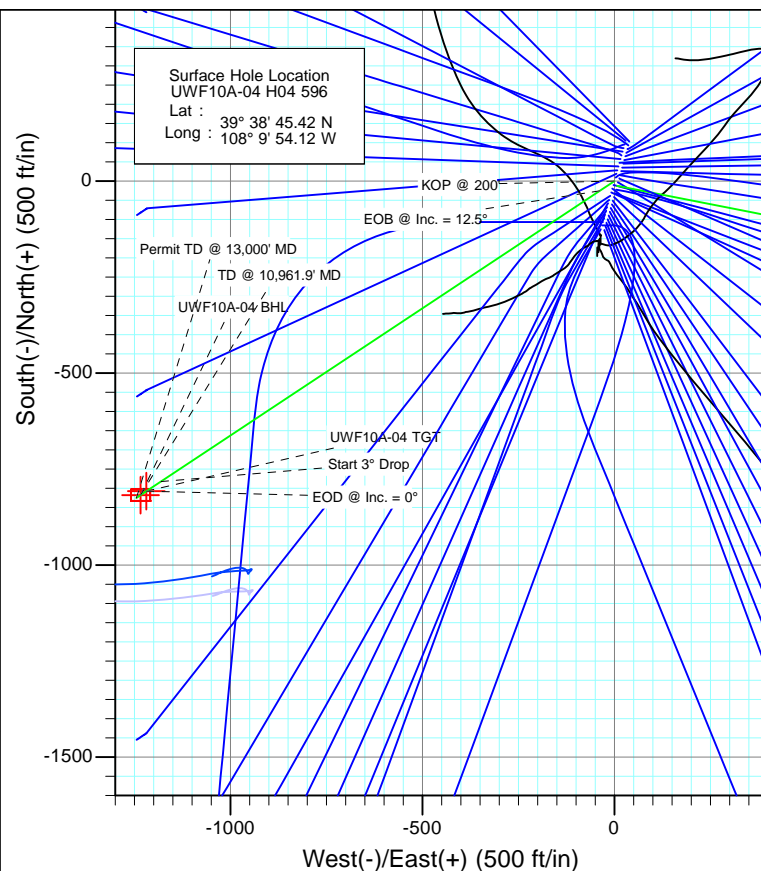


SECTION DETAILS

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	616.8	12.50	236.47	613.5	-25.0	-37.8	3.00	236.47	45.3	
4	6950.0	12.50	236.47	6796.5	-782.5	-1180.8	0.00	0.00	1416.6	
5	7366.8	0.00	0.00	7210.0	-807.5	-1218.6	3.00	180.00	1461.9	UWF10A-04 TGT
6	9115.5	0.38	236.28	8958.7	-810.7	-1223.4	0.02	236.28	1467.7	
7	10961.9	0.38	236.28	10805.0	-817.5	-1233.6	0.00	0.00	1479.9	UWF10A-04 BHL
8	13000.0	0.38	236.28	12843.1	-825.0	-1244.8	0.00	0.00	1493.4	



Azimuths to True North
Magnetic North: 10.34°

Magnetic Field
Strength: 52205.8nT
Dip Angle: 65.81°
Date: 4/19/2012
Model: IGRF2010

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1072.0	1086.4	A GROOVE
1233.0	1251.4	B GROOVE
1273.0	1292.3	B GROOVE BASE
2077.0	2115.9	GARDEN GULCH
3136.0	3200.6	WASATCH FM
5195.0	5309.6	WASATCH G
7210.0	7366.8	WILLIAMS FORK
10805.0	10961.9	ROLLINS
11038.0	11194.9	COZZETTE
11202.0	11358.9	CORCORAN
11498.0	11654.9	UPPER SEGO

Plan #1
UWF10A-04 H04 596
WELL @ 8293.0ft (Original Well Elev)
North American Datum 1983
Well UWF10A-04 H04 596, True North

Type	Target	Azimuth	Origin	Type	N/S	E/W	From
TD	No Target (Freehand)	236.47	Slot		0.0	0.0	TVD
Name		TVD	+N/-S	+E/-W	Latitude	Longitude	
UWF10A-04 TGT		7210.0	-807.5	-1218.6	39° 38' 37.44 N	108° 10' 9.70 W	
UWF10A-04 BHL		10805.0	-817.5	-1233.6	39° 38' 37.34 N	108° 10' 9.89 W	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF10A-04 H04 596
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 Pad	North Reference:	True
Well:	UWF10A-04 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	UWF10A-04 H04 596					
Well Position	+N/-S	0.0 ft	Northing:	1,671,176.16 ft	Latitude:	39° 38' 45.42 N
	+E/-W	0.0 ft	Easting:	2,249,640.76 ft	Longitude:	108° 9' 54.12 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 #1				
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	236.47	

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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
616.8	12.50	236.47	613.5	-25.0	-37.8	3.00	3.00	0.00	236.47	
6,950.0	12.50	236.47	6,796.5	-782.5	-1,180.8	0.00	0.00	0.00	0.00	
7,366.8	0.00	0.00	7,210.0	-807.5	-1,218.6	3.00	-3.00	0.00	180.00	UWF10A-04 TGT
9,115.5	0.38	236.28	8,958.7	-810.7	-1,223.4	0.02	0.02	-7.07	236.28	
10,961.9	0.38	236.28	10,805.0	-817.5	-1,233.6	0.00	0.00	0.00	0.00	UWF10A-04 BHL
13,000.0	0.38	236.28	12,843.1	-825.0	-1,244.8	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 UWF10A-04 H04 596
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 Pad	North Reference:	True
Well:	UWF10A-04 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	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	KOP @ 200'
300.0	3.00	236.47	300.0	-1.4	-2.2	2.6	3.00	3.00	
400.0	6.00	236.47	399.6	-5.8	-8.7	10.5	3.00	3.00	
500.0	9.00	236.47	498.8	-13.0	-19.6	23.5	3.00	3.00	
600.0	12.00	236.47	597.1	-23.1	-34.8	41.7	3.00	3.00	
616.8	12.50	236.47	613.5	-25.0	-37.8	45.3	3.00	3.00	EOB @ Inc. = 12.5°
700.0	12.50	236.47	694.7	-35.0	-52.8	63.3	0.00	0.00	
800.0	12.50	236.47	792.4	-46.9	-70.8	85.0	0.00	0.00	
900.0	12.50	236.47	890.0	-58.9	-88.9	106.6	0.00	0.00	
1,000.0	12.50	236.47	987.6	-70.9	-106.9	128.3	0.00	0.00	
1,086.4	12.50	236.47	1,072.0	-81.2	-122.5	147.0	0.00	0.00	A GROOVE
1,100.0	12.50	236.47	1,085.2	-82.8	-125.0	149.9	0.00	0.00	
1,200.0	12.50	236.47	1,182.9	-94.8	-143.0	171.6	0.00	0.00	
1,251.4	12.50	236.47	1,233.0	-100.9	-152.3	182.7	0.00	0.00	B GROOVE
1,292.3	12.50	236.47	1,273.0	-105.8	-159.7	191.6	0.00	0.00	B GROOVE BASE
1,300.0	12.50	236.47	1,280.5	-106.7	-161.1	193.2	0.00	0.00	
1,400.0	12.50	236.47	1,378.1	-118.7	-179.1	214.9	0.00	0.00	
1,500.0	12.50	236.47	1,475.7	-130.7	-197.2	236.5	0.00	0.00	
1,600.0	12.50	236.47	1,573.4	-142.6	-215.2	258.2	0.00	0.00	
1,700.0	12.50	236.47	1,671.0	-154.6	-233.3	279.8	0.00	0.00	
1,800.0	12.50	236.47	1,768.6	-166.5	-251.3	301.5	0.00	0.00	
1,900.0	12.50	236.47	1,866.3	-178.5	-269.4	323.1	0.00	0.00	
2,000.0	12.50	236.47	1,963.9	-190.5	-287.4	344.8	0.00	0.00	
2,100.0	12.50	236.47	2,061.5	-202.4	-305.5	366.4	0.00	0.00	
2,115.9	12.50	236.47	2,077.0	-204.3	-308.3	369.9	0.00	0.00	GARDEN GULCH
2,200.0	12.50	236.47	2,159.1	-214.4	-323.5	388.1	0.00	0.00	
2,300.0	12.50	236.47	2,256.8	-226.3	-341.6	409.7	0.00	0.00	
2,400.0	12.50	236.47	2,354.4	-238.3	-359.6	431.4	0.00	0.00	
2,500.0	12.50	236.47	2,452.0	-250.3	-377.7	453.0	0.00	0.00	
2,600.0	12.50	236.47	2,549.7	-262.2	-395.7	474.7	0.00	0.00	
2,700.0	12.50	236.47	2,647.3	-274.2	-413.8	496.4	0.00	0.00	
2,800.0	12.50	236.47	2,744.9	-286.1	-431.8	518.0	0.00	0.00	
2,900.0	12.50	236.47	2,842.5	-298.1	-449.9	539.7	0.00	0.00	
3,000.0	12.50	236.47	2,940.2	-310.1	-467.9	561.3	0.00	0.00	
3,100.0	12.50	236.47	3,037.8	-322.0	-486.0	583.0	0.00	0.00	
3,200.0	12.50	236.47	3,135.4	-334.0	-504.0	604.6	0.00	0.00	
3,200.6	12.50	236.47	3,136.0	-334.0	-504.1	604.7	0.00	0.00	WASATCH FM
3,300.0	12.50	236.47	3,233.1	-345.9	-522.0	626.3	0.00	0.00	
3,400.0	12.50	236.47	3,330.7	-357.9	-540.1	647.9	0.00	0.00	
3,500.0	12.50	236.47	3,428.3	-369.9	-558.1	669.6	0.00	0.00	
3,600.0	12.50	236.47	3,525.9	-381.8	-576.2	691.2	0.00	0.00	
3,700.0	12.50	236.47	3,623.6	-393.8	-594.2	712.9	0.00	0.00	
3,800.0	12.50	236.47	3,721.2	-405.7	-612.3	734.5	0.00	0.00	
3,900.0	12.50	236.47	3,818.8	-417.7	-630.3	756.2	0.00	0.00	
4,000.0	12.50	236.47	3,916.4	-429.7	-648.4	777.8	0.00	0.00	
4,100.0	12.50	236.47	4,014.1	-441.6	-666.4	799.5	0.00	0.00	
4,200.0	12.50	236.47	4,111.7	-453.6	-684.5	821.1	0.00	0.00	
4,300.0	12.50	236.47	4,209.3	-465.5	-702.5	842.8	0.00	0.00	
4,400.0	12.50	236.47	4,307.0	-477.5	-720.6	864.4	0.00	0.00	
4,500.0	12.50	236.47	4,404.6	-489.5	-738.6	886.1	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF10A-04 H04 596
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 Pad	North Reference:	True
Well:	UWF10A-04 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
4,600.0	12.50	236.47	4,502.2	-501.4	-756.7	907.7	0.00	0.00	
4,700.0	12.50	236.47	4,599.8	-513.4	-774.7	929.4	0.00	0.00	
4,800.0	12.50	236.47	4,697.5	-525.3	-792.8	951.0	0.00	0.00	
4,900.0	12.50	236.47	4,795.1	-537.3	-810.8	972.7	0.00	0.00	
5,000.0	12.50	236.47	4,892.7	-549.3	-828.9	994.3	0.00	0.00	
5,100.0	12.50	236.47	4,990.4	-561.2	-846.9	1,016.0	0.00	0.00	
5,200.0	12.50	236.47	5,088.0	-573.2	-865.0	1,037.6	0.00	0.00	
5,300.0	12.50	236.47	5,185.6	-585.1	-883.0	1,059.3	0.00	0.00	
5,309.6	12.50	236.47	5,195.0	-586.3	-884.8	1,061.4	0.00	0.00	WASATCH G
5,400.0	12.50	236.47	5,283.2	-597.1	-901.1	1,080.9	0.00	0.00	
5,500.0	12.50	236.47	5,380.9	-609.0	-919.1	1,102.6	0.00	0.00	
5,600.0	12.50	236.47	5,478.5	-621.0	-937.2	1,124.3	0.00	0.00	
5,700.0	12.50	236.47	5,576.1	-633.0	-955.2	1,145.9	0.00	0.00	
5,800.0	12.50	236.47	5,673.7	-644.9	-973.3	1,167.6	0.00	0.00	
5,900.0	12.50	236.47	5,771.4	-656.9	-991.3	1,189.2	0.00	0.00	
6,000.0	12.50	236.47	5,869.0	-668.8	-1,009.4	1,210.9	0.00	0.00	
6,100.0	12.50	236.47	5,966.6	-680.8	-1,027.4	1,232.5	0.00	0.00	
6,200.0	12.50	236.47	6,064.3	-692.8	-1,045.5	1,254.2	0.00	0.00	
6,300.0	12.50	236.47	6,161.9	-704.7	-1,063.5	1,275.8	0.00	0.00	
6,400.0	12.50	236.47	6,259.5	-716.7	-1,081.6	1,297.5	0.00	0.00	
6,500.0	12.50	236.47	6,357.1	-728.6	-1,099.6	1,319.1	0.00	0.00	
6,600.0	12.50	236.47	6,454.8	-740.6	-1,117.7	1,340.8	0.00	0.00	
6,700.0	12.50	236.47	6,552.4	-752.6	-1,135.7	1,362.4	0.00	0.00	
6,800.0	12.50	236.47	6,650.0	-764.5	-1,153.8	1,384.1	0.00	0.00	
6,900.0	12.50	236.47	6,747.7	-776.5	-1,171.8	1,405.7	0.00	0.00	
6,950.0	12.50	236.47	6,796.5	-782.5	-1,180.8	1,416.6	0.00	0.00	Start 3° Drop
7,000.0	11.01	236.47	6,845.4	-788.1	-1,189.3	1,426.7	3.00	-3.00	
7,100.0	8.01	236.47	6,944.0	-797.2	-1,203.1	1,443.3	3.00	-3.00	
7,200.0	5.01	236.47	7,043.4	-803.5	-1,212.5	1,454.6	3.00	-3.00	
7,300.0	2.01	236.47	7,143.2	-806.8	-1,217.6	1,460.7	3.00	-3.00	
7,366.8	0.00	0.00	7,210.0	-807.5	-1,218.6	1,461.9	3.00	-3.00	EOD @ Inc. = 0° - WILLIAMS FORK
7,400.0	0.01	236.28	7,243.2	-807.5	-1,218.6	1,461.9	0.02	0.02	
7,500.0	0.03	236.28	7,343.2	-807.5	-1,218.6	1,461.9	0.02	0.02	
7,600.0	0.05	236.28	7,443.2	-807.6	-1,218.7	1,462.0	0.02	0.02	
7,700.0	0.07	236.28	7,543.2	-807.6	-1,218.8	1,462.1	0.02	0.02	
7,800.0	0.09	236.28	7,643.2	-807.7	-1,218.9	1,462.2	0.02	0.02	
7,900.0	0.12	236.28	7,743.2	-807.8	-1,219.0	1,462.4	0.02	0.02	
8,000.0	0.14	236.28	7,843.2	-807.9	-1,219.2	1,462.6	0.02	0.02	
8,100.0	0.16	236.28	7,943.2	-808.1	-1,219.4	1,462.9	0.02	0.02	
8,200.0	0.18	236.28	8,043.2	-808.2	-1,219.7	1,463.2	0.02	0.02	
8,300.0	0.20	236.28	8,143.2	-808.4	-1,220.0	1,463.5	0.02	0.02	
8,400.0	0.22	236.28	8,243.2	-808.6	-1,220.3	1,463.9	0.02	0.02	
8,500.0	0.25	236.28	8,343.2	-808.8	-1,220.6	1,464.3	0.02	0.02	
8,600.0	0.27	236.28	8,443.2	-809.1	-1,221.0	1,464.7	0.02	0.02	
8,700.0	0.29	236.28	8,543.2	-809.4	-1,221.4	1,465.2	0.02	0.02	
8,800.0	0.31	236.28	8,643.2	-809.7	-1,221.8	1,465.8	0.02	0.02	
8,900.0	0.33	236.28	8,743.2	-810.0	-1,222.3	1,466.3	0.02	0.02	
9,000.0	0.35	236.28	8,843.2	-810.3	-1,222.8	1,466.9	0.02	0.02	
9,100.0	0.38	236.28	8,943.2	-810.7	-1,223.3	1,467.6	0.02	0.02	
9,115.5	0.38	236.28	8,958.7	-810.7	-1,223.4	1,467.7	0.02	0.02	
9,200.0	0.38	236.28	9,043.2	-811.0	-1,223.9	1,468.2	0.00	0.00	
9,300.0	0.38	236.28	9,143.1	-811.4	-1,224.4	1,468.9	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF10A-04 H04 596
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 Pad	North Reference:	True
Well:	UWF10A-04 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
9,400.0	0.38	236.28	9,243.1	-811.8	-1,225.0	1,469.5	0.00	0.00	
9,500.0	0.38	236.28	9,343.1	-812.1	-1,225.5	1,470.2	0.00	0.00	
9,600.0	0.38	236.28	9,443.1	-812.5	-1,226.1	1,470.9	0.00	0.00	
9,700.0	0.38	236.28	9,543.1	-812.9	-1,226.6	1,471.5	0.00	0.00	
9,800.0	0.38	236.28	9,643.1	-813.2	-1,227.2	1,472.2	0.00	0.00	
9,900.0	0.38	236.28	9,743.1	-813.6	-1,227.7	1,472.9	0.00	0.00	
10,000.0	0.38	236.28	9,843.1	-814.0	-1,228.3	1,473.5	0.00	0.00	
10,100.0	0.38	236.28	9,943.1	-814.3	-1,228.9	1,474.2	0.00	0.00	
10,200.0	0.38	236.28	10,043.1	-814.7	-1,229.4	1,474.8	0.00	0.00	
10,300.0	0.38	236.28	10,143.1	-815.1	-1,230.0	1,475.5	0.00	0.00	
10,400.0	0.38	236.28	10,243.1	-815.4	-1,230.5	1,476.2	0.00	0.00	
10,500.0	0.38	236.28	10,343.1	-815.8	-1,231.1	1,476.8	0.00	0.00	
10,600.0	0.38	236.28	10,443.1	-816.2	-1,231.6	1,477.5	0.00	0.00	
10,700.0	0.38	236.28	10,543.1	-816.5	-1,232.2	1,478.2	0.00	0.00	
10,800.0	0.38	236.28	10,643.1	-816.9	-1,232.7	1,478.8	0.00	0.00	
10,900.0	0.38	236.28	10,743.1	-817.3	-1,233.3	1,479.5	0.00	0.00	
10,961.9	0.38	236.28	10,805.0	-817.5	-1,233.6	1,479.9	0.00	0.00	TD @ 10,961.9' MD - ROLLINS
11,000.0	0.38	236.28	10,843.1	-817.6	-1,233.8	1,480.2	0.00	0.00	
11,100.0	0.38	236.28	10,943.1	-818.0	-1,234.4	1,480.8	0.00	0.00	
11,194.9	0.38	236.28	11,038.0	-818.4	-1,234.9	1,481.4	0.00	0.00	COZZETTE
11,200.0	0.38	236.28	11,043.1	-818.4	-1,234.9	1,481.5	0.00	0.00	
11,300.0	0.38	236.28	11,143.1	-818.8	-1,235.5	1,482.1	0.00	0.00	
11,358.9	0.38	236.28	11,202.0	-819.0	-1,235.8	1,482.5	0.00	0.00	CORCORAN
11,400.0	0.38	236.28	11,243.1	-819.1	-1,236.0	1,482.8	0.00	0.00	
11,500.0	0.38	236.28	11,343.1	-819.5	-1,236.6	1,483.5	0.00	0.00	
11,600.0	0.38	236.28	11,443.1	-819.9	-1,237.1	1,484.1	0.00	0.00	
11,654.9	0.38	236.28	11,498.0	-820.1	-1,237.4	1,484.5	0.00	0.00	UPPER SEGO
11,700.0	0.38	236.28	11,543.1	-820.2	-1,237.7	1,484.8	0.00	0.00	
11,800.0	0.38	236.28	11,643.1	-820.6	-1,238.2	1,485.5	0.00	0.00	
11,900.0	0.38	236.28	11,743.1	-821.0	-1,238.8	1,486.1	0.00	0.00	
12,000.0	0.38	236.28	11,843.1	-821.3	-1,239.3	1,486.8	0.00	0.00	
12,100.0	0.38	236.28	11,943.1	-821.7	-1,239.9	1,487.4	0.00	0.00	
12,200.0	0.38	236.28	12,043.1	-822.1	-1,240.4	1,488.1	0.00	0.00	
12,300.0	0.38	236.28	12,143.1	-822.4	-1,241.0	1,488.8	0.00	0.00	
12,400.0	0.38	236.28	12,243.1	-822.8	-1,241.5	1,489.4	0.00	0.00	
12,500.0	0.38	236.28	12,343.1	-823.2	-1,242.1	1,490.1	0.00	0.00	
12,600.0	0.38	236.28	12,443.1	-823.5	-1,242.6	1,490.8	0.00	0.00	
12,700.0	0.38	236.28	12,543.1	-823.9	-1,243.2	1,491.4	0.00	0.00	
12,800.0	0.38	236.28	12,643.1	-824.3	-1,243.7	1,492.1	0.00	0.00	
12,900.0	0.38	236.28	12,743.1	-824.6	-1,244.3	1,492.7	0.00	0.00	
13,000.0	0.38	236.28	12,843.1	-825.0	-1,244.8	1,493.4	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 UWF10A-04 H04 596
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 Pad	North Reference:	True
Well:	UWF10A-04 H04 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	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)		
UWF10A-04 TGT	0.00	0.00	7,210.0	-807.5	-1,218.6	1,670,404.75	2,248,399.00	39° 38' 37.44 N	108° 10' 9.70 W
- plan hits target center									
- Point									
UWF10A-04 BHL	0.00	0.00	10,805.0	-817.5	-1,233.6	1,670,395.18	2,248,383.71	39° 38' 37.34 N	108° 10' 9.89 W
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,086.4	1,072.0	A GROOVE				
1,251.4	1,233.0	B GROOVE				
1,292.3	1,273.0	B GROOVE BASE				
2,115.9	2,077.0	GARDEN GULCH				
3,200.6	3,136.0	WASATCH FM				
5,309.6	5,195.0	WASATCH G				
7,366.8	7,210.0	WILLIAMS FORK				
10,961.9	10,805.0	ROLLINS				
11,194.9	11,038.0	COZZETTE				
11,358.9	11,202.0	CORCORAN				
11,654.9	11,498.0	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'
616.8	613.5	-25.0	-37.8	EOB @ Inc. = 12.5°
6,950.0	6,796.5	-782.5	-1,180.8	Start 3° Drop
7,366.8	7,210.0	-807.5	-1,218.6	EOD @ Inc. = 0°
10,961.9	10,805.0	-817.5	-1,233.6	TD @ 10,961.9' MD
13,000.0	12,843.1	-825.0	-1,244.8	Permit TD @ 13,000' MD