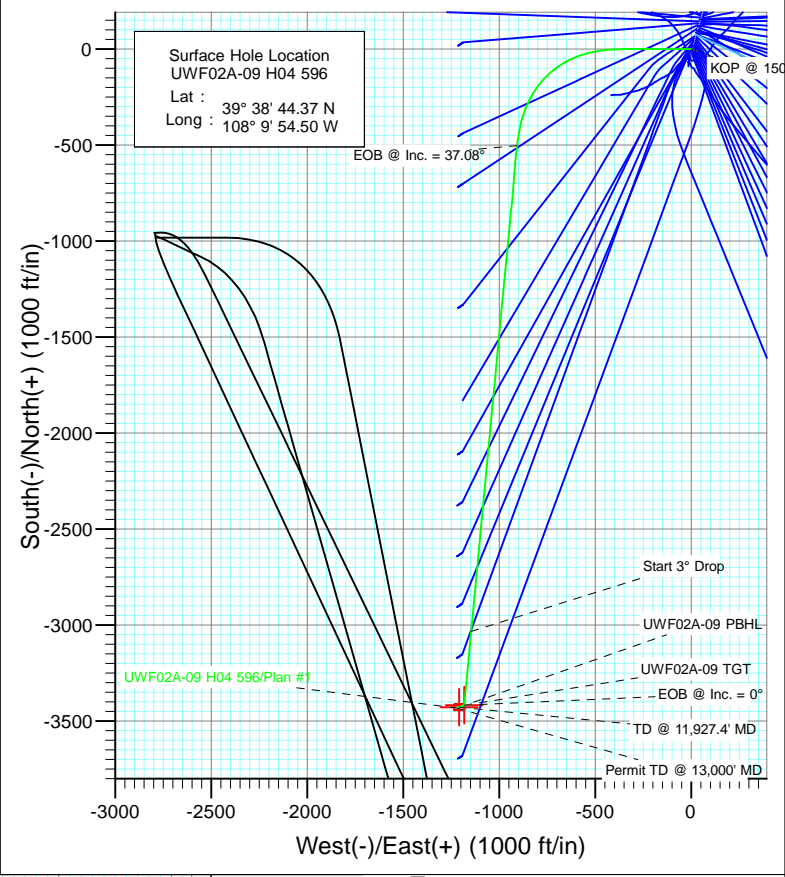


SECTION DETAILS

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	1352.7	36.08	270.00	1274.7	0.0	-366.3	3.00	270.00	122.7	
4	2929.3	37.08	185.40	2617.9	-502.0	-906.3	3.00	-125.24	776.6	
5	7145.3	37.08	185.40	5981.6	-3032.6	-1145.4	0.00	0.00	3241.0	
6	8381.2	0.00	0.00	7133.0	-3417.0	-1181.7	3.00	180.00	3615.4	UWF02A-09 TGT
7	10426.2	0.65	249.64	9177.9	-3421.1	-1192.6	0.03	249.64	3622.9	UWF02A-09 PBHL
8	11927.4	0.65	249.64	10679.0	-3427.0	-1208.7	0.00	0.00	3633.9	
9	13000.0	0.65	249.64	11751.6	-3431.3	-1220.2	0.00	0.00	3641.8	



T M

Azimuths to True North
 Magnetic North: 10.34°

Magnetic Field
 Strength: 52205.9snT
 Dip Angle: 65.81°
 Date: 4/18/2012
 Model: IGRF2010

FORMATION TOP DETAILS

TVDPATH	MDPATH	Formation
1041.0	1077.0	A GROOVE
1205.0	1267.7	B GROOVE
1245.0	1316.1	B GROOVE BASE
2026.0	2229.5	GARDEN GULCH
3071.0	3497.2	WASATCH FM
5130.0	6078.0	WASATCH G
7133.0	8381.2	WILLIAMS FORK
10679.0	11927.4	ROLLINS
10974.0	12222.4	COZZETTE
11146.0	12394.4	CORCORAN
11433.0	12681.4	UPPER SEGO

Plan #1
 UWF02A-09 H04 596
 125XXX: SC
 KBE @ 8293.0ft (Original Well Elev)
 North American Datum 1983
 Well UWF02A-09 H04 596, True North

Type	Target	Azimuth	Origin	Type	N/S	E/W	From TVD
TD	No Target (Freehand)	199.58	Slot		0.0	0.0	0.0

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
UWF02A-09 TGT	7133.0	-3417.0	-1181.7	39° 38' 10.60 N	108° 10' 9.60 W
UWF02A-09 PBHL	10679.0	-3427.0	-1208.7	39° 38' 10.50 N	108° 10' 9.95 W

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF02A-09 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:	UWF02A-09 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	UWF02A-09 H04 596					
Well Position	+N/-S	0.0 ft	Northing:	1,671,070.84 ft	Latitude:	39° 38' 44.37 N
	+E/-W	0.0 ft	Easting:	2,249,607.93 ft	Longitude:	108° 9' 54.50 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	199.58

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	
1,352.7	36.08	270.00	1,274.7	0.0	-366.3	3.00	3.00	0.00	270.00	
2,929.3	37.08	185.40	2,617.9	-502.0	-906.3	3.00	0.06	-5.37	-125.24	
7,145.3	37.08	185.40	5,981.6	-3,032.6	-1,145.4	0.00	0.00	0.00	0.00	
8,381.2	0.00	0.00	7,133.0	-3,417.0	-1,181.7	3.00	-3.00	0.00	180.00	UWF02A-09 TGT
10,426.2	0.65	249.64	9,177.9	-3,421.1	-1,192.6	0.03	0.03	-5.40	249.64	
11,927.4	0.65	249.64	10,679.0	-3,427.0	-1,208.7	0.00	0.00	0.00	0.00	UWF02A-09 PBHL
13,000.0	0.65	249.64	11,751.6	-3,431.3	-1,220.2	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 UWF02A-09 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:	UWF02A-09 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	270.00	200.0	0.0	-0.7	0.2	3.00	3.00	
300.0	4.50	270.00	299.8	0.0	-5.9	2.0	3.00	3.00	
400.0	7.50	270.00	399.3	0.0	-16.3	5.5	3.00	3.00	
500.0	10.50	270.00	498.0	0.0	-32.0	10.7	3.00	3.00	
600.0	13.50	270.00	595.8	0.0	-52.8	17.7	3.00	3.00	
700.0	16.50	270.00	692.4	0.0	-78.6	26.4	3.00	3.00	
800.0	19.50	270.00	787.5	0.0	-109.5	36.7	3.00	3.00	
900.0	22.50	270.00	880.9	0.0	-145.4	48.7	3.00	3.00	
1,000.0	25.50	270.00	972.2	0.0	-186.0	62.3	3.00	3.00	
1,077.0	27.81	270.00	1,041.0	0.0	-220.6	73.9	3.00	3.00	A GROOVE
1,100.0	28.50	270.00	1,061.3	0.0	-231.4	77.5	3.00	3.00	
1,200.0	31.50	270.00	1,147.9	0.0	-281.4	94.3	3.00	3.00	
1,267.7	33.53	270.00	1,205.0	0.0	-317.8	106.5	3.00	3.00	B GROOVE
1,300.0	34.50	270.00	1,231.8	0.0	-335.9	112.5	3.00	3.00	
1,316.1	34.98	270.00	1,245.0	0.0	-345.1	115.6	3.00	3.00	B GROOVE BASE
1,352.7	36.08	270.00	1,274.7	0.0	-366.3	122.7	3.00	3.00	
1,400.0	35.28	267.99	1,313.2	-0.5	-393.9	132.4	3.00	-1.70	
1,500.0	33.70	263.49	1,395.6	-4.6	-450.4	155.3	3.00	-1.58	
1,600.0	32.29	258.61	1,479.5	-13.1	-504.1	181.2	3.00	-1.40	
1,700.0	31.09	253.38	1,564.6	-25.7	-555.1	210.2	3.00	-1.20	
1,800.0	30.12	247.80	1,650.7	-42.6	-603.0	242.2	3.00	-0.98	
1,900.0	29.39	241.94	1,737.5	-63.6	-647.9	277.0	3.00	-0.73	
2,000.0	28.93	235.85	1,824.9	-88.7	-689.6	314.7	3.00	-0.46	
2,100.0	28.75	229.64	1,912.5	-117.9	-728.0	355.0	3.00	-0.18	
2,200.0	28.86	223.42	2,000.1	-151.0	-762.9	397.9	3.00	0.11	
2,229.5	28.95	221.59	2,026.0	-161.5	-772.5	411.0	3.00	0.29	GARDEN GULCH
2,300.0	29.25	217.29	2,087.6	-188.0	-794.3	443.3	3.00	0.43	
2,400.0	29.91	211.36	2,174.6	-228.7	-822.1	490.9	3.00	0.66	
2,500.0	30.82	205.70	2,260.9	-273.1	-846.2	540.8	3.00	0.91	
2,600.0	31.97	200.38	2,346.2	-321.0	-866.5	592.8	3.00	1.15	
2,700.0	33.32	195.41	2,430.4	-372.3	-883.0	646.7	3.00	1.35	
2,800.0	34.86	190.81	2,513.3	-426.9	-895.7	702.3	3.00	1.54	
2,900.0	36.55	186.57	2,594.5	-484.6	-904.5	759.6	3.00	1.70	
2,929.3	37.08	185.40	2,617.9	-502.0	-906.3	776.7	2.99	1.79	EOB @ Inc. = 37.08°
3,000.0	37.08	185.40	2,674.4	-544.5	-910.3	818.0	0.00	0.00	
3,100.0	37.08	185.40	2,754.1	-604.5	-916.0	876.4	0.00	0.00	
3,200.0	37.08	185.40	2,833.9	-664.5	-921.6	934.9	0.00	0.00	
3,300.0	37.08	185.40	2,913.7	-724.5	-927.3	993.3	0.00	0.00	
3,400.0	37.08	185.40	2,993.5	-784.5	-933.0	1,051.8	0.00	0.00	
3,497.2	37.08	185.40	3,071.0	-842.9	-938.5	1,108.6	0.00	0.00	WASATCH FM
3,500.0	37.08	185.40	3,073.3	-844.6	-938.6	1,110.2	0.00	0.00	
3,600.0	37.08	185.40	3,153.0	-904.6	-944.3	1,168.7	0.00	0.00	
3,700.0	37.08	185.40	3,232.8	-964.6	-950.0	1,227.2	0.00	0.00	
3,800.0	37.08	185.40	3,312.6	-1,024.6	-955.7	1,285.6	0.00	0.00	
3,900.0	37.08	185.40	3,392.4	-1,084.7	-961.3	1,344.1	0.00	0.00	
4,000.0	37.08	185.40	3,472.2	-1,144.7	-967.0	1,402.5	0.00	0.00	
4,100.0	37.08	185.40	3,552.0	-1,204.7	-972.7	1,461.0	0.00	0.00	
4,200.0	37.08	185.40	3,631.7	-1,264.7	-978.3	1,519.4	0.00	0.00	
4,300.0	37.08	185.40	3,711.5	-1,324.7	-984.0	1,577.9	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF02A-09 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:	UWF02A-09 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
4,400.0	37.08	185.40	3,791.3	-1,384.8	-989.7	1,636.3	0.00	0.00	
4,500.0	37.08	185.40	3,871.1	-1,444.8	-995.4	1,694.8	0.00	0.00	
4,600.0	37.08	185.40	3,950.9	-1,504.8	-1,001.0	1,753.2	0.00	0.00	
4,700.0	37.08	185.40	4,030.6	-1,564.8	-1,006.7	1,811.7	0.00	0.00	
4,800.0	37.08	185.40	4,110.4	-1,624.9	-1,012.4	1,870.1	0.00	0.00	
4,900.0	37.08	185.40	4,190.2	-1,684.9	-1,018.0	1,928.6	0.00	0.00	
5,000.0	37.08	185.40	4,270.0	-1,744.9	-1,023.7	1,987.0	0.00	0.00	
5,100.0	37.08	185.40	4,349.8	-1,804.9	-1,029.4	2,045.5	0.00	0.00	
5,200.0	37.08	185.40	4,429.6	-1,864.9	-1,035.1	2,103.9	0.00	0.00	
5,300.0	37.08	185.40	4,509.3	-1,925.0	-1,040.7	2,162.4	0.00	0.00	
5,400.0	37.08	185.40	4,589.1	-1,985.0	-1,046.4	2,220.9	0.00	0.00	
5,500.0	37.08	185.40	4,668.9	-2,045.0	-1,052.1	2,279.3	0.00	0.00	
5,600.0	37.08	185.40	4,748.7	-2,105.0	-1,057.7	2,337.8	0.00	0.00	
5,700.0	37.08	185.40	4,828.5	-2,165.1	-1,063.4	2,396.2	0.00	0.00	
5,800.0	37.08	185.40	4,908.2	-2,225.1	-1,069.1	2,454.7	0.00	0.00	
5,900.0	37.08	185.40	4,988.0	-2,285.1	-1,074.8	2,513.1	0.00	0.00	
6,000.0	37.08	185.40	5,067.8	-2,345.1	-1,080.4	2,571.6	0.00	0.00	
6,078.0	37.08	185.40	5,130.0	-2,391.9	-1,084.8	2,617.1	0.00	0.00	WASATCH G
6,100.0	37.08	185.40	5,147.6	-2,405.1	-1,086.1	2,630.0	0.00	0.00	
6,200.0	37.08	185.40	5,227.4	-2,465.2	-1,091.8	2,688.5	0.00	0.00	
6,300.0	37.08	185.40	5,307.2	-2,525.2	-1,097.4	2,746.9	0.00	0.00	
6,400.0	37.08	185.40	5,386.9	-2,585.2	-1,103.1	2,805.4	0.00	0.00	
6,500.0	37.08	185.40	5,466.7	-2,645.2	-1,108.8	2,863.8	0.00	0.00	
6,600.0	37.08	185.40	5,546.5	-2,705.3	-1,114.5	2,922.3	0.00	0.00	
6,700.0	37.08	185.40	5,626.3	-2,765.3	-1,120.1	2,980.7	0.00	0.00	
6,800.0	37.08	185.40	5,706.1	-2,825.3	-1,125.8	3,039.2	0.00	0.00	
6,900.0	37.08	185.40	5,785.8	-2,885.3	-1,131.5	3,097.7	0.00	0.00	
7,000.0	37.08	185.40	5,865.6	-2,945.4	-1,137.1	3,156.1	0.00	0.00	
7,100.0	37.08	185.40	5,945.4	-3,005.4	-1,142.8	3,214.6	0.00	0.00	
7,145.3	37.08	185.40	5,981.5	-3,032.6	-1,145.4	3,241.0	0.00	0.00	Start 3° Drop
7,200.0	35.44	185.40	6,025.7	-3,064.8	-1,148.4	3,272.4	3.00	-3.00	
7,300.0	32.44	185.40	6,108.6	-3,120.3	-1,153.7	3,326.5	3.00	-3.00	
7,400.0	29.44	185.40	6,194.4	-3,171.5	-1,158.5	3,376.4	3.00	-3.00	
7,500.0	26.44	185.40	6,282.7	-3,218.2	-1,162.9	3,421.8	3.00	-3.00	
7,600.0	23.44	185.40	6,373.4	-3,260.1	-1,166.9	3,462.7	3.00	-3.00	
7,700.0	20.44	185.40	6,466.1	-3,297.3	-1,170.4	3,498.9	3.00	-3.00	
7,800.0	17.44	185.40	6,560.7	-3,329.6	-1,173.4	3,530.3	3.00	-3.00	
7,900.0	14.44	185.40	6,656.8	-3,357.0	-1,176.0	3,556.9	3.00	-3.00	
8,000.0	11.44	185.40	6,754.3	-3,379.2	-1,178.1	3,578.7	3.00	-3.00	
8,100.0	8.44	185.40	6,852.8	-3,396.4	-1,179.8	3,595.4	3.00	-3.00	
8,200.0	5.44	185.40	6,952.0	-3,408.4	-1,180.9	3,607.1	3.00	-3.00	
8,300.0	2.44	185.40	7,051.8	-3,415.3	-1,181.5	3,613.7	3.00	-3.00	
8,381.2	0.00	0.00	7,133.0	-3,417.0	-1,181.7	3,615.4	3.00	-3.00	EOB @ Inc. = 0° - WILLIAMS FORK
8,400.0	0.01	249.64	7,151.8	-3,417.0	-1,181.7	3,615.4	0.03	0.03	
8,500.0	0.04	249.64	7,251.8	-3,417.0	-1,181.7	3,615.4	0.03	0.03	
8,600.0	0.07	249.64	7,351.8	-3,417.0	-1,181.8	3,615.5	0.03	0.03	
8,700.0	0.10	249.64	7,451.8	-3,417.1	-1,182.0	3,615.6	0.03	0.03	
8,800.0	0.13	249.64	7,551.8	-3,417.2	-1,182.2	3,615.7	0.03	0.03	
8,900.0	0.17	249.64	7,651.8	-3,417.3	-1,182.4	3,615.9	0.03	0.03	
9,000.0	0.20	249.64	7,751.8	-3,417.4	-1,182.7	3,616.1	0.03	0.03	
9,100.0	0.23	249.64	7,851.8	-3,417.5	-1,183.1	3,616.3	0.03	0.03	
9,200.0	0.26	249.64	7,951.8	-3,417.6	-1,183.5	3,616.6	0.03	0.03	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF02A-09 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:	UWF02A-09 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
9,300.0	0.29	249.64	8,051.8	-3,417.8	-1,183.9	3,616.9	0.03	0.03	
9,400.0	0.33	249.64	8,151.8	-3,418.0	-1,184.4	3,617.3	0.03	0.03	
9,500.0	0.36	249.64	8,251.8	-3,418.2	-1,185.0	3,617.7	0.03	0.03	
9,600.0	0.39	249.64	8,351.8	-3,418.4	-1,185.6	3,618.1	0.03	0.03	
9,700.0	0.42	249.64	8,451.8	-3,418.7	-1,186.2	3,618.5	0.03	0.03	
9,800.0	0.45	249.64	8,551.8	-3,418.9	-1,187.0	3,619.0	0.03	0.03	
9,900.0	0.49	249.64	8,651.8	-3,419.2	-1,187.7	3,619.6	0.03	0.03	
10,000.0	0.52	249.64	8,751.8	-3,419.5	-1,188.6	3,620.1	0.03	0.03	
10,100.0	0.55	249.64	8,851.7	-3,419.9	-1,189.4	3,620.7	0.03	0.03	
10,200.0	0.58	249.64	8,951.7	-3,420.2	-1,190.4	3,621.3	0.03	0.03	
10,300.0	0.61	249.64	9,051.7	-3,420.6	-1,191.3	3,622.0	0.03	0.03	
10,400.0	0.65	249.64	9,151.7	-3,420.9	-1,192.4	3,622.7	0.03	0.03	
10,426.2	0.65	249.64	9,177.9	-3,421.1	-1,192.6	3,622.9	0.03	0.03	
10,500.0	0.65	249.64	9,251.7	-3,421.3	-1,193.4	3,623.4	0.00	0.00	
10,600.0	0.65	249.64	9,351.7	-3,421.7	-1,194.5	3,624.2	0.00	0.00	
10,700.0	0.65	249.64	9,451.7	-3,422.1	-1,195.6	3,624.9	0.00	0.00	
10,800.0	0.65	249.64	9,551.7	-3,422.5	-1,196.6	3,625.6	0.00	0.00	
10,900.0	0.65	249.64	9,651.7	-3,422.9	-1,197.7	3,626.4	0.00	0.00	
11,000.0	0.65	249.64	9,751.7	-3,423.3	-1,198.8	3,627.1	0.00	0.00	
11,100.0	0.65	249.64	9,851.7	-3,423.7	-1,199.8	3,627.8	0.00	0.00	
11,200.0	0.65	249.64	9,951.7	-3,424.1	-1,200.9	3,628.6	0.00	0.00	
11,300.0	0.65	249.64	10,051.7	-3,424.5	-1,202.0	3,629.3	0.00	0.00	
11,400.0	0.65	249.64	10,151.7	-3,424.9	-1,203.1	3,630.0	0.00	0.00	
11,500.0	0.65	249.64	10,251.7	-3,425.3	-1,204.1	3,630.8	0.00	0.00	
11,600.0	0.65	249.64	10,351.7	-3,425.7	-1,205.2	3,631.5	0.00	0.00	
11,700.0	0.65	249.64	10,451.6	-3,426.1	-1,206.3	3,632.2	0.00	0.00	
11,800.0	0.65	249.64	10,551.6	-3,426.5	-1,207.3	3,633.0	0.00	0.00	
11,900.0	0.65	249.64	10,651.6	-3,426.9	-1,208.4	3,633.7	0.00	0.00	
11,927.4	0.65	249.64	10,679.0	-3,427.0	-1,208.7	3,633.9	0.00	0.00	TD @ 11,927.4' MD - ROLLINS
12,000.0	0.65	249.64	10,751.6	-3,427.3	-1,209.5	3,634.4	0.00	0.00	
12,100.0	0.65	249.64	10,851.6	-3,427.7	-1,210.5	3,635.2	0.00	0.00	
12,200.0	0.65	249.64	10,951.6	-3,428.1	-1,211.6	3,635.9	0.00	0.00	
12,222.4	0.65	249.64	10,974.0	-3,428.2	-1,211.9	3,636.1	0.00	0.00	COZZETTE
12,300.0	0.65	249.64	11,051.6	-3,428.5	-1,212.7	3,636.6	0.00	0.00	
12,394.4	0.65	249.64	11,146.0	-3,428.9	-1,213.7	3,637.3	0.00	0.00	CORCORAN
12,400.0	0.65	249.64	11,151.6	-3,428.9	-1,213.8	3,637.4	0.00	0.00	
12,500.0	0.65	249.64	11,251.6	-3,429.3	-1,214.8	3,638.1	0.00	0.00	
12,600.0	0.65	249.64	11,351.6	-3,429.7	-1,215.9	3,638.8	0.00	0.00	
12,681.4	0.65	249.64	11,433.0	-3,430.0	-1,216.8	3,639.4	0.00	0.00	UPPER SEGO
12,700.0	0.65	249.64	11,451.6	-3,430.1	-1,217.0	3,639.6	0.00	0.00	
12,800.0	0.65	249.64	11,551.6	-3,430.5	-1,218.0	3,640.3	0.00	0.00	
12,900.0	0.65	249.64	11,651.6	-3,430.9	-1,219.1	3,641.0	0.00	0.00	
13,000.0	0.65	249.64	11,751.6	-3,431.3	-1,220.2	3,641.8	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 UWF02A-09 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: UWF02A-09 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									
UWF02A-09 TGT - plan hits target center - Point	0.00	0.00	7,133.0	-3,417.0	-1,181.7	1,667,689.98	2,248,326.51	39° 38' 10.60 N	108° 10' 9.60 W
UWF02A-09 PBHL - plan hits target center - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	10,679.0	-3,427.0	-1,208.7	1,667,680.76	2,248,299.23	39° 38' 10.50 N	108° 10' 9.95 W

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,077.0	1,041.0	A GROOVE				
1,267.7	1,205.0	B GROOVE				
1,316.1	1,245.0	B GROOVE BASE				
2,229.5	2,026.0	GARDEN GULCH				
3,497.2	3,071.0	WASATCH FM				
6,078.0	5,130.0	WASATCH G				
8,381.2	7,133.0	WILLIAMS FORK				
11,927.4	10,679.0	ROLLINS				
12,222.4	10,974.0	COZZETTE				
12,394.4	11,146.0	CORCORAN				
12,681.4	11,433.0	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'	
2,929.3	2,617.9	-502.0	-906.3	EOB @ Inc. = 37.08°	
7,145.3	5,981.5	-3,032.6	-1,145.4	Start 3° Drop	
8,381.2	7,133.0	-3,417.0	-1,181.7	EOB @ Inc. = 0°	
11,927.4	10,679.0	-3,427.0	-1,208.7	TD @ 11,927.4' MD	
13,000.0	11,751.6	-3,431.3	-1,220.2	Permit TD @ 13,000' MD	