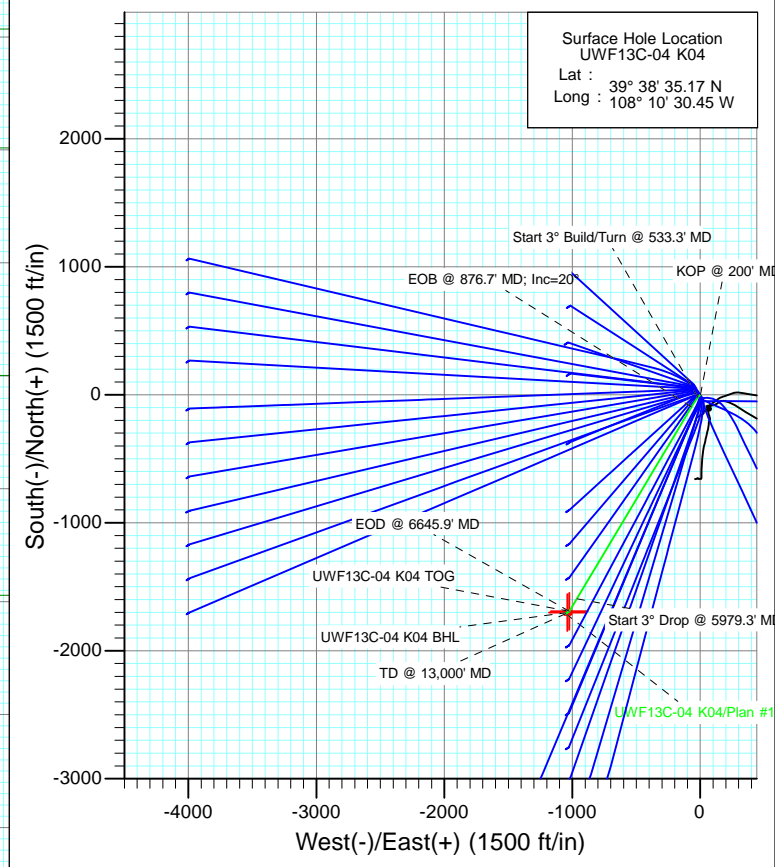


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	533.3	10.00	221.00	531.6	-21.9	-19.0	3.00	221.00	28.6	
4	876.7	20.00	210.86	862.9	-95.0	-68.8	3.00	-19.68	117.0	
5	5979.3	20.00	210.86	5657.8	-1593.0	-964.0	0.00	0.00	1862.0	
6	6645.9	0.00	0.00	6311.0	-1691.9	-1023.1	3.00	180.00	1977.1	UWF13C-04 K04 TOG
7	7278.9	0.00	0.00	6944.0	-1691.9	-1023.1	0.00	0.00	1977.1	UWF13C-04 K04 BHL
8	9020.1	0.39	236.46	8685.2	-1695.2	-1028.0	0.02	236.46	1982.5	
9	10813.0	0.39	236.46	10478.0	-1701.9	-1038.1	0.00	0.00	1993.5	
10	13000.0	0.39	236.46	12665.0	-1710.0	-1050.5	0.00	0.00	2006.9	



T M

Azimuths to True North
 Magnetic North: 10.34°

Magnetic Field
 Strength: 52205.4snT
 Dip Angle: 65.80°
 Date: 4/12/2012
 Model: IGRF2010

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
965.0	985.3	A_GROOVE_TVD
1123.0	1153.4	B_GROOVE_TVD
1163.0	1196.0	B_GROOVE_BASE_TVD
1931.0	2013.3	GARDEN_GULCH_TVD
2983.0	3132.8	WASATCH_FM_TVD
4997.0	5276.1	WASATCH_G_TVD
6944.0	7278.9	WILLIAMS_FORK_TVD
10478.0	10813.0	ROLLINS_TVD
10759.0	11094.0	COZZETTE_TVD
10928.0	11263.0	CORCORAN_TVD
11226.0	11561.0	UPPER_SEGO_TVD

Plan #1 UWF13C-04 K04 KB @ 8226.0ft (Original Well Elev) North American Datum 1983 Well UWF13C-04 K04, True North						
Type	Target	Azimuth	Origin	N/S	E/W	From TVD
TD	No Target (Freehand)	211.56	Slot	0.0	0.0	0.0
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	
UWF13C-04 K04 TOG	6944.0	-1691.9	-1023.1	39° 38' 18.45 N	108° 10' 43.53 W	
UWF13C-04 K04 BHL	10478.0	-1701.9	-1038.1	39° 38' 18.35 N	108° 10' 43.72 W	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF13C-04 K04
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB @ 8226.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KB @ 8226.0ft (Original Well Elev)
Site:	K04 Pad	North Reference:	True
Well:	UWF13C-04 K04	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	K04 Pad				
Site Position:		Northing:	1,636,938.27 ft	Latitude:	39° 33' 11.18 N
From:	Lat/Long	Easting:	2,263,572.45 ft	Longitude:	108° 6' 43.51 W
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.65 °

Well	UWF13C-04 K04					
Well Position	+N/-S	0.0 ft	Northing:	1,670,223.00 ft	Latitude:	39° 38' 35.17 N
	+E/-W	0.0 ft	Easting:	2,246,769.64 ft	Longitude:	108° 10' 30.45 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	8,193.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	4/12/2012	(°)	(°)	(nT)
			10.34	65.80	52,205

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	211.56

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	
533.3	10.00	221.00	531.6	-21.9	-19.0	3.00	3.00	0.00	221.00	
876.7	20.00	210.86	862.9	-95.0	-68.8	3.00	2.91	-2.95	-19.68	
5,979.3	20.00	210.86	5,657.8	-1,593.0	-964.0	0.00	0.00	0.00	0.00	
6,645.9	0.00	0.00	6,311.0	-1,691.9	-1,023.1	3.00	-3.00	0.00	180.00	
7,278.9	0.00	0.00	6,944.0	-1,691.9	-1,023.1	0.00	0.00	0.00	0.00	UWF13C-04 K04 TOC
9,020.1	0.39	236.46	8,685.2	-1,695.2	-1,028.0	0.02	0.02	-7.10	236.46	
10,813.0	0.39	236.46	10,478.0	-1,701.9	-1,038.1	0.00	0.00	0.00	0.00	UWF13C-04 K04 BHL
13,000.0	0.39	236.46	12,665.0	-1,710.0	-1,050.5	0.00	0.00	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF13C-04 K04
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB @ 8226.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KB @ 8226.0ft (Original Well Elev)
Site:	K04 Pad	North Reference:	True
Well:	UWF13C-04 K04	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' MD
300.0	3.00	221.00	300.0	-2.0	-1.7	2.6	3.00	3.00	
400.0	6.00	221.00	399.6	-7.9	-6.9	10.3	3.00	3.00	
500.0	9.00	221.00	498.8	-17.7	-15.4	23.2	3.00	3.00	
533.3	10.00	221.00	531.6	-21.9	-19.0	28.6	3.00	3.00	Start 3° Build/Turn @ 533.3' MD
600.0	11.90	217.73	597.1	-31.7	-27.0	41.2	3.00	2.85	
700.0	14.80	214.40	694.4	-50.4	-40.6	64.2	3.00	2.90	
800.0	17.74	212.15	790.4	-73.8	-55.9	92.2	3.00	2.93	
876.7	20.00	210.86	862.9	-95.0	-68.8	117.0	3.00	2.95	EOB @ 876.7' MD; Inc=20°
900.0	20.00	210.86	884.8	-101.8	-72.9	125.0	0.00	0.00	
985.3	20.00	210.86	965.0	-126.9	-87.9	154.1	0.00	0.00	A_GROOVE_TVD
1,000.0	20.00	210.86	978.8	-131.2	-90.5	159.1	0.00	0.00	
1,100.0	20.00	210.86	1,072.8	-160.6	-108.0	193.3	0.00	0.00	
1,153.4	20.00	210.86	1,123.0	-176.2	-117.4	211.6	0.00	0.00	B_GROOVE_TVD
1,196.0	20.00	210.86	1,163.0	-188.7	-124.9	226.2	0.00	0.00	B_GROOVE_BASE_TVD
1,200.0	20.00	210.86	1,166.7	-189.9	-125.6	227.5	0.00	0.00	
1,300.0	20.00	210.86	1,260.7	-219.3	-143.1	261.7	0.00	0.00	
1,400.0	20.00	210.86	1,354.7	-248.6	-160.7	295.9	0.00	0.00	
1,500.0	20.00	210.86	1,448.7	-278.0	-178.2	330.1	0.00	0.00	
1,600.0	20.00	210.86	1,542.6	-307.3	-195.7	364.3	0.00	0.00	
1,700.0	20.00	210.86	1,636.6	-336.7	-213.3	398.5	0.00	0.00	
1,800.0	20.00	210.86	1,730.6	-366.1	-230.8	432.7	0.00	0.00	
1,900.0	20.00	210.86	1,824.5	-395.4	-248.4	466.9	0.00	0.00	
2,000.0	20.00	210.86	1,918.5	-424.8	-265.9	501.1	0.00	0.00	
2,013.3	20.00	210.86	1,931.0	-428.7	-268.2	505.7	0.00	0.00	GARDEN_GULCH_TVD
2,100.0	20.00	210.86	2,012.5	-454.1	-283.5	535.3	0.00	0.00	
2,200.0	20.00	210.86	2,106.4	-483.5	-301.0	569.5	0.00	0.00	
2,300.0	20.00	210.86	2,200.4	-512.9	-318.5	603.7	0.00	0.00	
2,400.0	20.00	210.86	2,294.4	-542.2	-336.1	637.9	0.00	0.00	
2,500.0	20.00	210.86	2,388.4	-571.6	-353.6	672.1	0.00	0.00	
2,600.0	20.00	210.86	2,482.3	-600.9	-371.2	706.3	0.00	0.00	
2,700.0	20.00	210.86	2,576.3	-630.3	-388.7	740.5	0.00	0.00	
2,800.0	20.00	210.86	2,670.3	-659.7	-406.3	774.7	0.00	0.00	
2,900.0	20.00	210.86	2,764.2	-689.0	-423.8	808.9	0.00	0.00	
3,000.0	20.00	210.86	2,858.2	-718.4	-441.4	843.1	0.00	0.00	
3,100.0	20.00	210.86	2,952.2	-747.7	-458.9	877.3	0.00	0.00	
3,132.8	20.00	210.86	2,983.0	-757.4	-464.7	888.5	0.00	0.00	WASATCH_FM_TVD
3,200.0	20.00	210.86	3,046.1	-777.1	-476.4	911.5	0.00	0.00	
3,300.0	20.00	210.86	3,140.1	-806.4	-494.0	945.7	0.00	0.00	
3,400.0	20.00	210.86	3,234.1	-835.8	-511.5	979.9	0.00	0.00	
3,500.0	20.00	210.86	3,328.0	-865.2	-529.1	1,014.1	0.00	0.00	
3,600.0	20.00	210.86	3,422.0	-894.5	-546.6	1,048.3	0.00	0.00	
3,700.0	20.00	210.86	3,516.0	-923.9	-564.2	1,082.5	0.00	0.00	
3,800.0	20.00	210.86	3,610.0	-953.2	-581.7	1,116.7	0.00	0.00	
3,900.0	20.00	210.86	3,703.9	-982.6	-599.2	1,150.9	0.00	0.00	
4,000.0	20.00	210.86	3,797.9	-1,012.0	-616.8	1,185.1	0.00	0.00	
4,100.0	20.00	210.86	3,891.9	-1,041.3	-634.3	1,219.3	0.00	0.00	
4,200.0	20.00	210.86	3,985.8	-1,070.7	-651.9	1,253.5	0.00	0.00	
4,300.0	20.00	210.86	4,079.8	-1,100.0	-669.4	1,287.7	0.00	0.00	
4,400.0	20.00	210.86	4,173.8	-1,129.4	-687.0	1,321.9	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF13C-04 K04
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB @ 8226.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KB @ 8226.0ft (Original Well Elev)
Site:	K04 Pad	North Reference:	True
Well:	UWF13C-04 K04	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	20.00	210.86	4,267.7	-1,158.7	-704.5	1,356.1	0.00	0.00	
4,600.0	20.00	210.86	4,361.7	-1,188.1	-722.0	1,390.3	0.00	0.00	
4,700.0	20.00	210.86	4,455.7	-1,217.5	-739.6	1,424.5	0.00	0.00	
4,800.0	20.00	210.86	4,549.7	-1,246.8	-757.1	1,458.7	0.00	0.00	
4,900.0	20.00	210.86	4,643.6	-1,276.2	-774.7	1,492.9	0.00	0.00	
5,000.0	20.00	210.86	4,737.6	-1,305.5	-792.2	1,527.1	0.00	0.00	
5,100.0	20.00	210.86	4,831.6	-1,334.9	-809.8	1,561.3	0.00	0.00	
5,200.0	20.00	210.86	4,925.5	-1,364.3	-827.3	1,595.5	0.00	0.00	
5,276.1	20.00	210.86	4,997.0	-1,386.6	-840.7	1,621.5	0.00	0.00	WASATCH_G_TVD
5,300.0	20.00	210.86	5,019.5	-1,393.6	-844.9	1,629.7	0.00	0.00	
5,400.0	20.00	210.86	5,113.5	-1,423.0	-862.4	1,663.9	0.00	0.00	
5,500.0	20.00	210.86	5,207.4	-1,452.3	-879.9	1,698.1	0.00	0.00	
5,600.0	20.00	210.86	5,301.4	-1,481.7	-897.5	1,732.3	0.00	0.00	
5,700.0	20.00	210.86	5,395.4	-1,511.0	-915.0	1,766.5	0.00	0.00	
5,800.0	20.00	210.86	5,489.4	-1,540.4	-932.6	1,800.7	0.00	0.00	
5,900.0	20.00	210.86	5,583.3	-1,569.8	-950.1	1,834.9	0.00	0.00	
5,979.3	20.00	210.86	5,657.8	-1,593.0	-964.0	1,862.0	0.00	0.00	Start 3° Drop @ 5979.3' MD
6,000.0	19.38	210.86	5,677.3	-1,599.0	-967.6	1,869.0	3.00	-3.00	
6,100.0	16.38	210.86	5,772.5	-1,625.4	-983.3	1,899.6	3.00	-3.00	
6,200.0	13.38	210.86	5,869.1	-1,647.4	-996.5	1,925.3	3.00	-3.00	
6,300.0	10.38	210.86	5,967.0	-1,665.1	-1,007.1	1,945.9	3.00	-3.00	
6,400.0	7.38	210.86	6,065.8	-1,678.3	-1,015.0	1,961.3	3.00	-3.00	
6,500.0	4.38	210.86	6,165.2	-1,687.1	-1,020.2	1,971.6	3.00	-3.00	
6,600.0	1.38	210.86	6,265.1	-1,691.4	-1,022.8	1,976.6	3.00	-3.00	
6,645.9	0.00	0.00	6,311.0	-1,691.9	-1,023.1	1,977.1	3.00	-3.00	EOD @ 6645.9' MD
6,700.0	0.00	0.00	6,365.1	-1,691.9	-1,023.1	1,977.1	0.00	0.00	
6,800.0	0.00	0.00	6,465.1	-1,691.9	-1,023.1	1,977.1	0.00	0.00	
6,900.0	0.00	0.00	6,565.1	-1,691.9	-1,023.1	1,977.1	0.00	0.00	
7,000.0	0.00	0.00	6,665.1	-1,691.9	-1,023.1	1,977.1	0.00	0.00	
7,100.0	0.00	0.00	6,765.1	-1,691.9	-1,023.1	1,977.1	0.00	0.00	
7,200.0	0.00	0.00	6,865.1	-1,691.9	-1,023.1	1,977.1	0.00	0.00	
7,278.9	0.00	0.00	6,944.0	-1,691.9	-1,023.1	1,977.1	0.00	0.00	WILLIAMS_FORK_TVD - UWF13C-04 K04 TO
7,300.0	0.00	236.46	6,965.1	-1,691.9	-1,023.1	1,977.1	0.02	0.02	
7,400.0	0.03	236.46	7,065.1	-1,691.9	-1,023.1	1,977.2	0.02	0.02	
7,500.0	0.05	236.46	7,165.1	-1,692.0	-1,023.2	1,977.2	0.02	0.02	
7,600.0	0.07	236.46	7,265.1	-1,692.0	-1,023.3	1,977.3	0.02	0.02	
7,700.0	0.09	236.46	7,365.1	-1,692.1	-1,023.4	1,977.4	0.02	0.02	
7,800.0	0.12	236.46	7,465.1	-1,692.2	-1,023.5	1,977.6	0.02	0.02	
7,900.0	0.14	236.46	7,565.1	-1,692.3	-1,023.7	1,977.8	0.02	0.02	
8,000.0	0.16	236.46	7,665.1	-1,692.5	-1,023.9	1,978.1	0.02	0.02	
8,100.0	0.18	236.46	7,765.1	-1,692.6	-1,024.2	1,978.3	0.02	0.02	
8,200.0	0.21	236.46	7,865.1	-1,692.8	-1,024.5	1,978.6	0.02	0.02	
8,300.0	0.23	236.46	7,965.1	-1,693.0	-1,024.8	1,979.0	0.02	0.02	
8,400.0	0.25	236.46	8,065.1	-1,693.2	-1,025.1	1,979.4	0.02	0.02	
8,500.0	0.27	236.46	8,165.1	-1,693.5	-1,025.5	1,979.8	0.02	0.02	
8,600.0	0.29	236.46	8,265.1	-1,693.8	-1,025.9	1,980.2	0.02	0.02	
8,700.0	0.32	236.46	8,365.1	-1,694.1	-1,026.4	1,980.7	0.02	0.02	
8,800.0	0.34	236.46	8,465.1	-1,694.4	-1,026.8	1,981.2	0.02	0.02	
8,900.0	0.36	236.46	8,565.1	-1,694.7	-1,027.4	1,981.8	0.02	0.02	
9,000.0	0.38	236.46	8,665.1	-1,695.1	-1,027.9	1,982.4	0.02	0.02	
9,020.1	0.39	236.46	8,685.2	-1,695.2	-1,028.0	1,982.5	0.02	0.02	
9,100.0	0.39	236.46	8,765.1	-1,695.5	-1,028.5	1,983.0	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF13C-04 K04
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB @ 8226.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KB @ 8226.0ft (Original Well Elev)
Site:	K04 Pad	North Reference:	True
Well:	UWF13C-04 K04	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
9,200.0	0.39	236.46	8,865.1	-1,695.8	-1,029.0	1,983.6	0.00	0.00	
9,300.0	0.39	236.46	8,965.1	-1,696.2	-1,029.6	1,984.2	0.00	0.00	
9,400.0	0.39	236.46	9,065.1	-1,696.6	-1,030.2	1,984.8	0.00	0.00	
9,500.0	0.39	236.46	9,165.1	-1,696.9	-1,030.7	1,985.4	0.00	0.00	
9,600.0	0.39	236.46	9,265.1	-1,697.3	-1,031.3	1,986.0	0.00	0.00	
9,700.0	0.39	236.46	9,365.1	-1,697.7	-1,031.8	1,986.7	0.00	0.00	
9,800.0	0.39	236.46	9,465.1	-1,698.1	-1,032.4	1,987.3	0.00	0.00	
9,900.0	0.39	236.46	9,565.1	-1,698.4	-1,033.0	1,987.9	0.00	0.00	
10,000.0	0.39	236.46	9,665.1	-1,698.8	-1,033.5	1,988.5	0.00	0.00	
10,100.0	0.39	236.46	9,765.0	-1,699.2	-1,034.1	1,989.1	0.00	0.00	
10,200.0	0.39	236.46	9,865.0	-1,699.6	-1,034.7	1,989.7	0.00	0.00	
10,300.0	0.39	236.46	9,965.0	-1,699.9	-1,035.2	1,990.3	0.00	0.00	
10,400.0	0.39	236.46	10,065.0	-1,700.3	-1,035.8	1,990.9	0.00	0.00	
10,500.0	0.39	236.46	10,165.0	-1,700.7	-1,036.4	1,991.6	0.00	0.00	
10,600.0	0.39	236.46	10,265.0	-1,701.1	-1,036.9	1,992.2	0.00	0.00	
10,700.0	0.39	236.46	10,365.0	-1,701.4	-1,037.5	1,992.8	0.00	0.00	
10,800.0	0.39	236.46	10,465.0	-1,701.8	-1,038.0	1,993.4	0.00	0.00	
10,813.0	0.39	236.46	10,478.0	-1,701.9	-1,038.1	1,993.5	0.00	0.00	ROLLINS_TVD - UWF13C-04 K04 BHL
10,900.0	0.39	236.46	10,565.0	-1,702.2	-1,038.6	1,994.0	0.00	0.00	
11,000.0	0.39	236.46	10,665.0	-1,702.6	-1,039.2	1,994.6	0.00	0.00	
11,094.0	0.39	236.46	10,759.0	-1,702.9	-1,039.7	1,995.2	0.00	0.00	COZZETTE_TVD
11,100.0	0.39	236.46	10,765.0	-1,702.9	-1,039.7	1,995.2	0.00	0.00	
11,200.0	0.39	236.46	10,865.0	-1,703.3	-1,040.3	1,995.9	0.00	0.00	
11,263.0	0.39	236.46	10,928.0	-1,703.5	-1,040.7	1,996.2	0.00	0.00	CORCORAN_TVD
11,300.0	0.39	236.46	10,965.0	-1,703.7	-1,040.9	1,996.5	0.00	0.00	
11,400.0	0.39	236.46	11,065.0	-1,704.0	-1,041.4	1,997.1	0.00	0.00	
11,500.0	0.39	236.46	11,165.0	-1,704.4	-1,042.0	1,997.7	0.00	0.00	
11,561.0	0.39	236.46	11,226.0	-1,704.7	-1,042.3	1,998.1	0.00	0.00	UPPER_SEGO_TVD
11,600.0	0.39	236.46	11,265.0	-1,704.8	-1,042.6	1,998.3	0.00	0.00	
11,700.0	0.39	236.46	11,365.0	-1,705.2	-1,043.1	1,998.9	0.00	0.00	
11,800.0	0.39	236.46	11,465.0	-1,705.5	-1,043.7	1,999.5	0.00	0.00	
11,900.0	0.39	236.46	11,565.0	-1,705.9	-1,044.2	2,000.2	0.00	0.00	
12,000.0	0.39	236.46	11,665.0	-1,706.3	-1,044.8	2,000.8	0.00	0.00	
12,100.0	0.39	236.46	11,765.0	-1,706.7	-1,045.4	2,001.4	0.00	0.00	
12,200.0	0.39	236.46	11,865.0	-1,707.0	-1,045.9	2,002.0	0.00	0.00	
12,300.0	0.39	236.46	11,965.0	-1,707.4	-1,046.5	2,002.6	0.00	0.00	
12,400.0	0.39	236.46	12,065.0	-1,707.8	-1,047.1	2,003.2	0.00	0.00	
12,500.0	0.39	236.46	12,165.0	-1,708.2	-1,047.6	2,003.8	0.00	0.00	
12,600.0	0.39	236.46	12,265.0	-1,708.5	-1,048.2	2,004.4	0.00	0.00	
12,700.0	0.39	236.46	12,365.0	-1,708.9	-1,048.8	2,005.1	0.00	0.00	
12,800.0	0.39	236.46	12,465.0	-1,709.3	-1,049.3	2,005.7	0.00	0.00	
12,900.0	0.39	236.46	12,565.0	-1,709.7	-1,049.9	2,006.3	0.00	0.00	
13,000.0	0.39	236.46	12,665.0	-1,710.0	-1,050.5	2,006.9	0.00	0.00	TD @ 13,000' MD

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF13C-04 K04
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB @ 8226.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KB @ 8226.0ft (Original Well Elev)
Site:	K04 Pad	North Reference:	True
Well:	UWF13C-04 K04	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									
UWF13C-04 K04 TOG - plan hits target center - Point	0.00	0.00	6,944.0	-1,691.9	-1,023.1	1,668,561.96	2,245,697.17	39° 38' 18.45 N	108° 10' 43.53 W
UWF13C-04 K04 BHL - plan hits target center - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	10,478.0	-1,701.9	-1,038.1	1,668,552.45	2,245,681.86	39° 38' 18.35 N	108° 10' 43.72 W

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
985.3	965.0	A_GROOVE_TVD				
1,153.4	1,123.0	B_GROOVE_TVD				
1,196.0	1,163.0	B_GROOVE_BASE_TVD				
2,013.3	1,931.0	GARDEN_GULCH_TVD				
3,132.8	2,983.0	WASATCH_FM_TVD				
5,276.1	4,997.0	WASATCH_G_TVD				
7,278.9	6,944.0	WILLIAMS_FORK_TVD				
10,813.0	10,478.0	ROLLINS_TVD				
11,094.0	10,759.0	COZZETTE_TVD				
11,263.0	10,928.0	CORCORAN_TVD				
11,561.0	11,226.0	UPPER_SEGO_TVD				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S	+E/-W		
		(ft)	(ft)		
200.0	200.0	0.0	0.0	KOP @ 200' MD	
533.3	531.6	-21.9	-19.0	Start 3° Build/Turn @ 533.3' MD	
876.7	862.9	-95.0	-68.8	EOB @ 876.7' MD; Inc=20°	
5,979.3	5,657.8	-1,593.0	-964.0	Start 3° Drop @ 5979.3' MD	
6,645.9	6,311.0	-1,691.9	-1,023.1	EOD @ 6645.9' MD	
13,000.0	12,665.0	-1,710.0	-1,050.5	TD @ 13,000' MD	