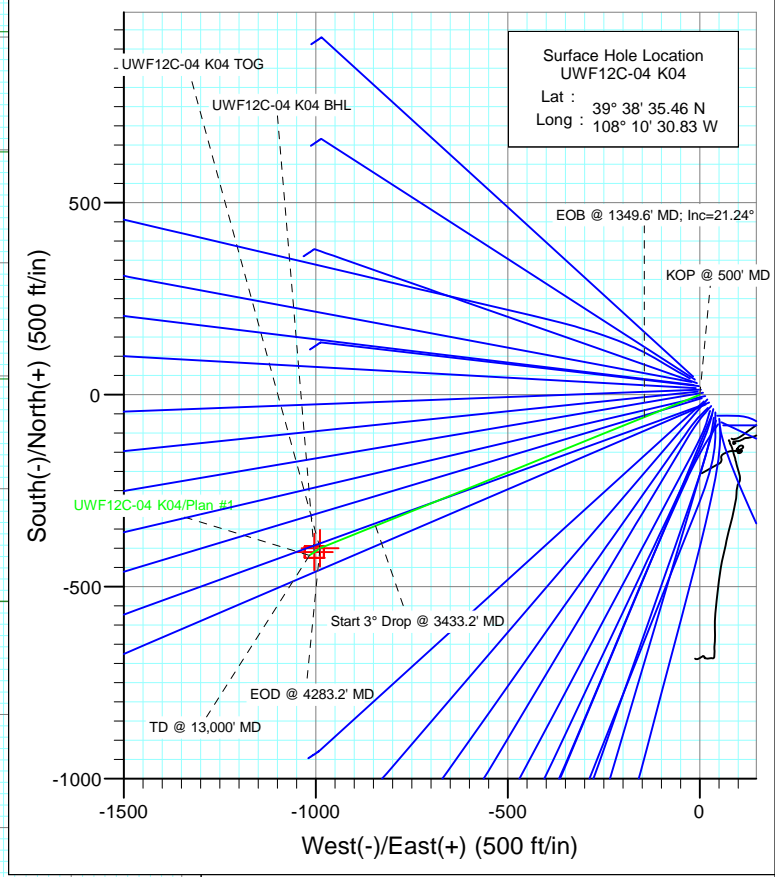


SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-/S	+E-/W	Dleg	TFace	V Sect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	1349.6	21.24	247.98	1330.3	-58.4	-144.3	2.50	247.98	155.7	
4	3433.6	21.24	247.98	3272.7	-341.4	-844.3	0.00	0.00	910.7	
5	4283.2	0.00	0.00	4103.0	-399.8	-988.6	2.50	180.00	1066.4	UWF12C-04 K04 TOG
6	7176.2	0.00	0.00	6996.0	-399.8	-988.6	0.00	0.00	1066.4	UWF12C-04 K04 BHL
7	8919.7	0.39	236.52	8739.4	-403.0	-993.5	0.02	236.52	1072.1	
8	10723.3	0.39	236.52	10543.0	-409.8	-1003.6	0.00	0.00	1084.1	
9	13000.0	0.39	236.52	12819.7	-418.2	-1016.5	0.00	0.00	1099.1	



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
979.0	982.6	A_GROOVE_TVD
1136.0	1144.5	B_GROOVE_TVD
1176.0	1186.2	B_GROOVE_BASE_TVD
1955.0	2019.9	GARDEN_GULCH_TVD
3018.0	3160.3	WASATCH_FM_TVD
5028.0	5208.2	WASATCH_G_TVD
6996.0	7176.2	WILLIAMS_FORK_TVD
10543.0	10723.3	ROLLINS_TVD
10783.0	10963.3	COZZETTE_TVD
10949.0	11129.3	CORCORAN_TVD
11251.0	11431.3	UPPER_SEGO_TVD

Plan #1
 UWF12C-04 K04
 KB @ 8226.0ft (Original Well Elev)
 North American Datum 1983
 Well UWF12C-04 K04, True North

Type	Target	Azimuth	Origin	N/S	E/W	From TVD
TD	No Target (Freehand)	247.64	Type Slot	0.0	0.0	0.0
Name	TVD	+N-/S	+E-/W	Latitude	Longitude	
UWF12C-04 K04 TOG	6996.0	-399.8	-988.6	39° 38' 31.51 N	108° 10' 43.47 W	
UWF12C-04 K04 BHL	10543.0	-409.8	-1003.6	39° 38' 31.41 N	108° 10' 43.66 W	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF12C-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:	UWF12C-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	UWF12C-04 K04					
Well Position	+N/-S	0.0 ft	Northing:	1,670,253.20 ft	Latitude:	39° 38' 35.46 N
	+E/-W	0.0 ft	Easting:	2,246,740.79 ft	Longitude:	108° 10' 30.83 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	247.64

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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,349.6	21.24	247.98	1,330.3	-58.4	-144.3	2.50	2.50	0.00	247.98	
3,433.6	21.24	247.98	3,272.7	-341.4	-844.3	0.00	0.00	0.00	0.00	
4,283.2	0.00	0.00	4,103.0	-399.8	-988.6	2.50	-2.50	0.00	180.00	
7,176.2	0.00	0.00	6,996.0	-399.8	-988.6	0.00	0.00	0.00	0.00	UWF12C-04 K04 TOC
8,919.7	0.39	236.52	8,739.4	-403.0	-993.5	0.02	0.02	-7.08	236.52	
10,723.3	0.39	236.52	10,543.0	-409.8	-1,003.6	0.00	0.00	0.00	0.00	UWF12C-04 K04 BHL
13,000.0	0.39	236.52	12,819.7	-418.2	-1,016.5	0.00	0.00	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF12C-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:	UWF12C-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	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	KOP @ 500' MD
600.0	2.50	247.98	600.0	-0.8	-2.0	2.2	2.50	2.50	
700.0	5.00	247.98	699.7	-3.3	-8.1	8.7	2.50	2.50	
800.0	7.50	247.98	799.1	-7.4	-18.2	19.6	2.50	2.50	
900.0	10.00	247.98	898.0	-13.1	-32.3	34.8	2.50	2.50	
982.6	12.06	247.98	979.0	-19.0	-46.9	50.6	2.50	2.50	A_GROOVE_TVD
1,000.0	12.50	247.98	996.0	-20.4	-50.4	54.3	2.50	2.50	
1,100.0	15.00	247.98	1,093.2	-29.3	-72.4	78.1	2.50	2.50	
1,144.5	16.11	247.98	1,136.0	-33.7	-83.4	90.0	2.50	2.50	B_GROOVE_TVD
1,186.2	17.16	247.98	1,176.0	-38.2	-94.5	102.0	2.50	2.50	B_GROOVE_BASE_TVD
1,200.0	17.50	247.98	1,189.2	-39.8	-98.3	106.1	2.50	2.50	
1,300.0	20.00	247.98	1,283.9	-51.8	-128.1	138.2	2.50	2.50	
1,349.6	21.24	247.98	1,330.3	-58.4	-144.3	155.7	2.50	2.50	EOB @ 1349.6' MD; Inc=21.24°
1,400.0	21.24	247.98	1,377.3	-65.2	-161.3	173.9	0.00	0.00	
1,500.0	21.24	247.98	1,470.5	-78.8	-194.8	210.2	0.00	0.00	
1,600.0	21.24	247.98	1,563.7	-92.4	-228.4	246.4	0.00	0.00	
1,700.0	21.24	247.98	1,656.9	-106.0	-262.0	282.6	0.00	0.00	
1,800.0	21.24	247.98	1,750.1	-119.5	-295.6	318.9	0.00	0.00	
1,900.0	21.24	247.98	1,843.3	-133.1	-329.2	355.1	0.00	0.00	
2,000.0	21.24	247.98	1,936.5	-146.7	-362.8	391.3	0.00	0.00	
2,019.9	21.24	247.98	1,955.0	-149.4	-369.4	398.5	0.00	0.00	GARDEN_GULCH_TVD
2,100.0	21.24	247.98	2,029.7	-160.3	-396.4	427.5	0.00	0.00	
2,200.0	21.24	247.98	2,122.9	-173.9	-429.9	463.8	0.00	0.00	
2,300.0	21.24	247.98	2,216.1	-187.5	-463.5	500.0	0.00	0.00	
2,400.0	21.24	247.98	2,309.3	-201.0	-497.1	536.2	0.00	0.00	
2,500.0	21.24	247.98	2,402.5	-214.6	-530.7	572.4	0.00	0.00	
2,600.0	21.24	247.98	2,495.7	-228.2	-564.3	608.7	0.00	0.00	
2,700.0	21.24	247.98	2,588.9	-241.8	-597.9	644.9	0.00	0.00	
2,800.0	21.24	247.98	2,682.1	-255.4	-631.5	681.1	0.00	0.00	
2,900.0	21.24	247.98	2,775.3	-269.0	-665.0	717.4	0.00	0.00	
3,000.0	21.24	247.98	2,868.6	-282.5	-698.6	753.6	0.00	0.00	
3,100.0	21.24	247.98	2,961.8	-296.1	-732.2	789.8	0.00	0.00	
3,160.3	21.24	247.98	3,018.0	-304.3	-752.5	811.7	0.00	0.00	WASATCH_FM_TVD
3,200.0	21.24	247.98	3,055.0	-309.7	-765.8	826.0	0.00	0.00	
3,300.0	21.24	247.98	3,148.2	-323.3	-799.4	862.3	0.00	0.00	
3,400.0	21.24	247.98	3,241.4	-336.9	-833.0	898.5	0.00	0.00	
3,433.6	21.24	247.98	3,272.7	-341.4	-844.3	910.7	0.00	0.00	Start 3° Drop @ 3433.2' MD
3,500.0	19.58	247.98	3,334.9	-350.1	-865.7	933.8	2.50	-2.50	
3,600.0	17.08	247.98	3,429.8	-361.9	-894.9	965.3	2.50	-2.50	
3,700.0	14.58	247.98	3,526.0	-372.1	-920.2	992.6	2.50	-2.50	
3,800.0	12.08	247.98	3,623.3	-380.8	-941.5	1,015.6	2.50	-2.50	
3,900.0	9.58	247.98	3,721.6	-387.8	-959.0	1,034.4	2.50	-2.50	
4,000.0	7.08	247.98	3,820.5	-393.2	-972.4	1,048.9	2.50	-2.50	
4,100.0	4.58	247.98	3,920.0	-397.1	-981.8	1,059.0	2.50	-2.50	
4,200.0	2.08	247.98	4,019.8	-399.2	-987.2	1,064.9	2.50	-2.50	
4,283.2	0.00	0.00	4,103.0	-399.8	-988.6	1,066.4	2.50	-2.50	EOD @ 4283.2' MD
4,300.0	0.00	0.00	4,119.8	-399.8	-988.6	1,066.4	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF12C-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:	UWF12C-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
4,400.0	0.00	0.00	4,219.8	-399.8	-988.6	1,066.4	0.00	0.00	
4,500.0	0.00	0.00	4,319.8	-399.8	-988.6	1,066.4	0.00	0.00	
4,600.0	0.00	0.00	4,419.8	-399.8	-988.6	1,066.4	0.00	0.00	
4,700.0	0.00	0.00	4,519.8	-399.8	-988.6	1,066.4	0.00	0.00	
4,800.0	0.00	0.00	4,619.8	-399.8	-988.6	1,066.4	0.00	0.00	
4,900.0	0.00	0.00	4,719.8	-399.8	-988.6	1,066.4	0.00	0.00	
5,000.0	0.00	0.00	4,819.8	-399.8	-988.6	1,066.4	0.00	0.00	
5,100.0	0.00	0.00	4,919.8	-399.8	-988.6	1,066.4	0.00	0.00	
5,200.0	0.00	0.00	5,019.8	-399.8	-988.6	1,066.4	0.00	0.00	
5,208.2	0.00	0.00	5,028.0	-399.8	-988.6	1,066.4	0.00	0.00	WASATCH_G_TVD
5,300.0	0.00	0.00	5,119.8	-399.8	-988.6	1,066.4	0.00	0.00	
5,400.0	0.00	0.00	5,219.8	-399.8	-988.6	1,066.4	0.00	0.00	
5,500.0	0.00	0.00	5,319.8	-399.8	-988.6	1,066.4	0.00	0.00	
5,600.0	0.00	0.00	5,419.8	-399.8	-988.6	1,066.4	0.00	0.00	
5,700.0	0.00	0.00	5,519.8	-399.8	-988.6	1,066.4	0.00	0.00	
5,800.0	0.00	0.00	5,619.8	-399.8	-988.6	1,066.4	0.00	0.00	
5,900.0	0.00	0.00	5,719.8	-399.8	-988.6	1,066.4	0.00	0.00	
6,000.0	0.00	0.00	5,819.8	-399.8	-988.6	1,066.4	0.00	0.00	
6,100.0	0.00	0.00	5,919.8	-399.8	-988.6	1,066.4	0.00	0.00	
6,200.0	0.00	0.00	6,019.8	-399.8	-988.6	1,066.4	0.00	0.00	
6,300.0	0.00	0.00	6,119.8	-399.8	-988.6	1,066.4	0.00	0.00	
6,400.0	0.00	0.00	6,219.8	-399.8	-988.6	1,066.4	0.00	0.00	
6,500.0	0.00	0.00	6,319.8	-399.8	-988.6	1,066.4	0.00	0.00	
6,600.0	0.00	0.00	6,419.8	-399.8	-988.6	1,066.4	0.00	0.00	
6,700.0	0.00	0.00	6,519.8	-399.8	-988.6	1,066.4	0.00	0.00	
6,800.0	0.00	0.00	6,619.8	-399.8	-988.6	1,066.4	0.00	0.00	
6,900.0	0.00	0.00	6,719.8	-399.8	-988.6	1,066.4	0.00	0.00	
7,000.0	0.00	0.00	6,819.8	-399.8	-988.6	1,066.4	0.00	0.00	
7,100.0	0.00	0.00	6,919.8	-399.8	-988.6	1,066.4	0.00	0.00	
7,176.2	0.00	0.00	6,996.0	-399.8	-988.6	1,066.4	0.00	0.00	WILLIAMS_FORK_TVD - UWF12C-04 K04 TO
7,200.0	0.01	236.52	7,019.8	-399.8	-988.6	1,066.4	0.02	0.02	
7,300.0	0.03	236.52	7,119.8	-399.8	-988.6	1,066.4	0.02	0.02	
7,400.0	0.05	236.52	7,219.8	-399.9	-988.7	1,066.5	0.02	0.02	
7,500.0	0.07	236.52	7,319.8	-399.9	-988.8	1,066.6	0.02	0.02	
7,600.0	0.09	236.52	7,419.8	-400.0	-988.9	1,066.7	0.02	0.02	
7,700.0	0.12	236.52	7,519.8	-400.1	-989.0	1,066.9	0.02	0.02	
7,800.0	0.14	236.52	7,619.8	-400.2	-989.2	1,067.1	0.02	0.02	
7,900.0	0.16	236.52	7,719.8	-400.4	-989.4	1,067.4	0.02	0.02	
8,000.0	0.18	236.52	7,819.8	-400.5	-989.7	1,067.6	0.02	0.02	
8,100.0	0.20	236.52	7,919.8	-400.7	-990.0	1,068.0	0.02	0.02	
8,200.0	0.23	236.52	8,019.8	-400.9	-990.3	1,068.4	0.02	0.02	
8,300.0	0.25	236.52	8,119.8	-401.1	-990.6	1,068.8	0.02	0.02	
8,400.0	0.27	236.52	8,219.8	-401.4	-991.0	1,069.2	0.02	0.02	
8,500.0	0.29	236.52	8,319.8	-401.7	-991.4	1,069.7	0.02	0.02	
8,600.0	0.32	236.52	8,419.8	-402.0	-991.9	1,070.2	0.02	0.02	
8,700.0	0.34	236.52	8,519.8	-402.3	-992.3	1,070.8	0.02	0.02	
8,800.0	0.36	236.52	8,619.8	-402.6	-992.9	1,071.4	0.02	0.02	
8,900.0	0.38	236.52	8,719.8	-403.0	-993.4	1,072.0	0.02	0.02	
8,919.7	0.39	236.52	8,739.4	-403.0	-993.5	1,072.1	0.02	0.02	
9,000.0	0.39	236.52	8,819.8	-403.3	-994.0	1,072.7	0.00	0.00	
9,100.0	0.39	236.52	8,919.8	-403.7	-994.5	1,073.3	0.00	0.00	
9,200.0	0.39	236.52	9,019.8	-404.1	-995.1	1,074.0	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF12C-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:	UWF12C-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
9,300.0	0.39	236.52	9,119.8	-404.5	-995.6	1,074.6	0.00	0.00	
9,400.0	0.39	236.52	9,219.7	-404.8	-996.2	1,075.3	0.00	0.00	
9,500.0	0.39	236.52	9,319.7	-405.2	-996.8	1,076.0	0.00	0.00	
9,600.0	0.39	236.52	9,419.7	-405.6	-997.3	1,076.6	0.00	0.00	
9,700.0	0.39	236.52	9,519.7	-405.9	-997.9	1,077.3	0.00	0.00	
9,800.0	0.39	236.52	9,619.7	-406.3	-998.5	1,078.0	0.00	0.00	
9,900.0	0.39	236.52	9,719.7	-406.7	-999.0	1,078.6	0.00	0.00	
10,000.0	0.39	236.52	9,819.7	-407.1	-999.6	1,079.3	0.00	0.00	
10,100.0	0.39	236.52	9,919.7	-407.4	-1,000.1	1,079.9	0.00	0.00	
10,200.0	0.39	236.52	10,019.7	-407.8	-1,000.7	1,080.6	0.00	0.00	
10,300.0	0.39	236.52	10,119.7	-408.2	-1,001.3	1,081.3	0.00	0.00	
10,400.0	0.39	236.52	10,219.7	-408.5	-1,001.8	1,081.9	0.00	0.00	
10,500.0	0.39	236.52	10,319.7	-408.9	-1,002.4	1,082.6	0.00	0.00	
10,600.0	0.39	236.52	10,419.7	-409.3	-1,003.0	1,083.2	0.00	0.00	
10,700.0	0.39	236.52	10,519.7	-409.7	-1,003.5	1,083.9	0.00	0.00	
10,723.3	0.39	236.52	10,543.0	-409.8	-1,003.6	1,084.1	0.00	0.00	ROLLINS_TVD - UWF12C-04 K04 BHL
10,800.0	0.39	236.52	10,619.7	-410.0	-1,004.1	1,084.6	0.00	0.00	
10,900.0	0.39	236.52	10,719.7	-410.4	-1,004.6	1,085.2	0.00	0.00	
10,963.3	0.39	236.52	10,783.0	-410.6	-1,005.0	1,085.7	0.00	0.00	COZZETTE_TVD
11,000.0	0.39	236.52	10,819.7	-410.8	-1,005.2	1,085.9	0.00	0.00	
11,100.0	0.39	236.52	10,919.7	-411.2	-1,005.8	1,086.6	0.00	0.00	
11,129.3	0.39	236.52	10,949.0	-411.3	-1,005.9	1,086.7	0.00	0.00	CORCORAN_TVD
11,200.0	0.39	236.52	11,019.7	-411.5	-1,006.3	1,087.2	0.00	0.00	
11,300.0	0.39	236.52	11,119.7	-411.9	-1,006.9	1,087.9	0.00	0.00	
11,400.0	0.39	236.52	11,219.7	-412.3	-1,007.5	1,088.5	0.00	0.00	
11,431.3	0.39	236.52	11,251.0	-412.4	-1,007.6	1,088.7	0.00	0.00	UPPER_SEGO_TVD
11,500.0	0.39	236.52	11,319.7	-412.6	-1,008.0	1,089.2	0.00	0.00	
11,600.0	0.39	236.52	11,419.7	-413.0	-1,008.6	1,089.9	0.00	0.00	
11,700.0	0.39	236.52	11,519.7	-413.4	-1,009.1	1,090.5	0.00	0.00	
11,800.0	0.39	236.52	11,619.7	-413.8	-1,009.7	1,091.2	0.00	0.00	
11,900.0	0.39	236.52	11,719.7	-414.1	-1,010.3	1,091.8	0.00	0.00	
12,000.0	0.39	236.52	11,819.7	-414.5	-1,010.8	1,092.5	0.00	0.00	
12,100.0	0.39	236.52	11,919.7	-414.9	-1,011.4	1,093.2	0.00	0.00	
12,200.0	0.39	236.52	12,019.7	-415.2	-1,012.0	1,093.8	0.00	0.00	
12,300.0	0.39	236.52	12,119.7	-415.6	-1,012.5	1,094.5	0.00	0.00	
12,400.0	0.39	236.52	12,219.7	-416.0	-1,013.1	1,095.2	0.00	0.00	
12,500.0	0.39	236.52	12,319.7	-416.4	-1,013.6	1,095.8	0.00	0.00	
12,600.0	0.39	236.52	12,419.7	-416.7	-1,014.2	1,096.5	0.00	0.00	
12,700.0	0.39	236.52	12,519.7	-417.1	-1,014.8	1,097.1	0.00	0.00	
12,800.0	0.39	236.52	12,619.7	-417.5	-1,015.3	1,097.8	0.00	0.00	
12,900.0	0.39	236.52	12,719.7	-417.8	-1,015.9	1,098.5	0.00	0.00	
13,000.0	0.39	236.52	12,819.7	-418.2	-1,016.5	1,099.1	0.00	0.00	TD @ 13,000' MD

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF12C-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:	UWF12C-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									
UWF12C-04 K04 BHL - plan hits target center - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	10,543.0	-409.8	-1,003.6	1,669,873.18	2,245,725.51	39° 38' 31.41 N	108° 10' 43.66 W
UWF12C-04 K04 TOG - plan hits target center - Point	0.00	0.00	6,996.0	-399.8	-988.6	1,669,882.68	2,245,740.84	39° 38' 31.51 N	108° 10' 43.47 W

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
982.6	979.0	A_GROOVE_TVD			
1,144.5	1,136.0	B_GROOVE_TVD			
1,186.2	1,176.0	B_GROOVE_BASE_TVD			
2,019.9	1,955.0	GARDEN_GULCH_TVD			
3,160.3	3,018.0	WASATCH_FM_TVD			
5,208.2	5,028.0	WASATCH_G_TVD			
7,176.2	6,996.0	WILLIAMS_FORK_TVD			
10,723.3	10,543.0	ROLLINS_TVD			
10,963.3	10,783.0	COZZETTE_TVD			
11,129.3	10,949.0	CORCORAN_TVD			
11,431.3	11,251.0	UPPER_SEGO_TVD			

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
500.0	500.0	0.0	0.0	KOP @ 500' MD
1,349.6	1,330.3	-58.4	-144.3	EOB @ 1349.6' MD; Inc=21.24°
3,433.6	3,272.7	-341.4	-844.3	Start 3° Drop @ 3433.2' MD
4,283.2	4,103.0	-399.8	-988.6	EOD @ 4283.2' MD
13,000.0	12,819.7	-418.2	-1,016.5	TD @ 13,000' MD