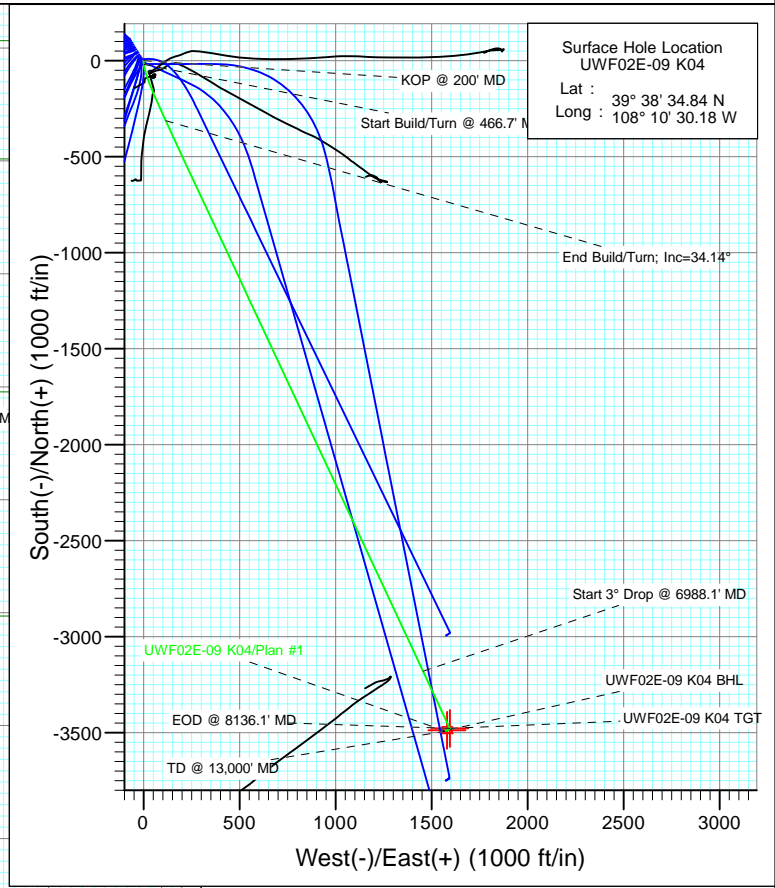


SECTION DETAILS

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	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	466.7	8.00	175.00	465.8	-18.5	1.6	3.00	175.00	17.5	
4	1358.4	34.14	154.94	1291.4	-312.4	115.1	3.00	-25.33	332.0	
5	6998.1	34.14	154.94	5959.1	-3179.5	1456.0	0.00	0.00	3497.0	
6	8136.1	0.00	0.00	7031.0	-3477.7	1595.4	3.00	180.00	3826.1	UWF02E-09 K04 TGT
7	9878.8	0.39	236.37	8773.7	-3481.0	1590.5	0.02	236.37	3827.1	
8	11673.2	0.39	236.37	10568.0	-3487.7	1580.4	0.00	0.00	3829.0	UWF02E-09 K04 BHL
9	13000.0	0.39	236.37	11894.8	-3492.7	1572.9	0.00	0.00	3830.5	



T M

Azimuths to True North
 Magnetic North: 10.34°

Magnetic Field
 Strength: 52205.3snT
 Dip Angle: 65.80°
 Date: 4/12/2012
 Model: IGRF2010

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
960.0	980.6	A_GROOVE_TVD
1127.0	1166.0	B_GROOVE_TVD
1167.0	1211.0	B_GROOVE_BASE_TVD
1936.0	2137.2	GARDEN_GULCH_TVD
2982.0	3401.0	WASATCH_FM_TVD
5044.0	5892.4	WASATCH_G_TVD
7031.0	8136.1	WILLIAMS_FORK_TVD
10568.0	11673.2	ROLLINS_TVD
10878.0	11983.2	COZZETTE_TVD
11054.0	12159.2	CORCORAN_TVD
11338.0	12443.2	UPPER_SEGO_TVD

Plan #1
 UWF02E-09 K04
 KB @ 8226.0ft (Original Well Elev)
 North American Datum 1983
 Well UWF02E-09 K04, True North

Type	Target	Azimuth	Origin	N/S	E/W	From
Target	UWF02E-09 K04 BHL	155.62	Type Slot	0.0	0.0	TVD 0.0
Name	TVD	+N-/S	+E-/W	Latitude	Longitude	
UWF02E-09 K04 TGT	7031.0	-3477.7	1595.4	39° 38' 0.47 N	108° 10' 9.79 W	
UWF02E-09 K04 BHL	10568.0	-3487.7	1580.4	39° 38' 0.37 N	108° 10' 9.98 W	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF02E-09 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:	UWF02E-09 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	UWF02E-09 K04					
Well Position	+N/-S	0.0 ft	Northing:	1,670,189.00 ft	Latitude:	39° 38' 34.84 N
	+E/-W	0.0 ft	Easting:	2,246,789.77 ft	Longitude:	108° 10' 30.18 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	155.62

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	
466.7	8.00	175.00	465.8	-18.5	1.6	3.00	3.00	0.00	175.00	
1,358.4	34.14	154.94	1,291.4	-312.4	115.1	3.00	2.93	-2.25	-25.33	
6,998.1	34.14	154.94	5,959.1	-3,179.5	1,456.0	0.00	0.00	0.00	0.00	
8,136.1	0.00	0.00	7,031.0	-3,477.7	1,595.4	3.00	-3.00	0.00	180.00	UWF02E-09 K04 TG1
9,878.8	0.39	236.37	8,773.7	-3,481.0	1,590.5	0.02	0.02	-7.09	236.37	
11,673.2	0.39	236.37	10,568.0	-3,487.7	1,580.4	0.00	0.00	0.00	0.00	UWF02E-09 K04 BHL
13,000.0	0.39	236.37	11,894.8	-3,492.7	1,572.9	0.00	0.00	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF02E-09 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:	UWF02E-09 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	175.00	300.0	-2.6	0.2	2.5	3.00	3.00	
400.0	6.00	175.00	399.6	-10.4	0.9	9.9	3.00	3.00	
466.7	8.00	175.00	465.8	-18.5	1.6	17.5	3.00	3.00	Start Build/Turn @ 466.7' MD
500.0	8.91	172.24	498.8	-23.4	2.2	22.2	3.00	2.74	
600.0	11.74	166.57	597.1	-41.0	5.6	39.6	3.00	2.83	
700.0	14.63	163.09	694.5	-62.9	11.6	62.1	3.00	2.89	
800.0	17.56	160.75	790.6	-89.3	20.3	89.7	3.00	2.93	
900.0	20.51	159.06	885.1	-119.9	31.5	122.2	3.00	2.95	
980.6	22.90	158.01	960.0	-147.7	42.4	152.0	3.00	2.96	A_GROOVE_TVD
1,000.0	23.48	157.78	977.8	-154.7	45.3	159.6	3.00	2.97	
1,100.0	26.45	156.78	1,068.4	-193.6	61.6	201.8	3.00	2.97	
1,166.0	28.41	156.22	1,127.0	-221.5	73.7	232.2	3.00	2.97	B_GROOVE_TVD
1,200.0	29.42	155.96	1,156.8	-236.5	80.4	248.6	3.00	2.98	
1,211.7	29.77	155.88	1,167.0	-241.8	82.8	254.4	3.00	2.98	B_GROOVE_BASE_TVD
1,300.0	32.40	155.28	1,242.6	-283.3	101.6	300.0	3.00	2.98	
1,358.4	34.14	154.94	1,291.4	-312.4	115.1	332.0	3.00	2.98	End Build/Turn; Inc=34.14°
1,400.0	34.14	154.94	1,325.8	-333.5	125.0	355.4	0.00	0.00	
1,500.0	34.14	154.94	1,408.6	-384.4	148.8	411.5	0.00	0.00	
1,600.0	34.14	154.94	1,491.4	-435.2	172.5	467.6	0.00	0.00	
1,700.0	34.14	154.94	1,574.1	-486.0	196.3	523.7	0.00	0.00	
1,800.0	34.14	154.94	1,656.9	-536.9	220.1	579.9	0.00	0.00	
1,900.0	34.14	154.94	1,739.7	-587.7	243.9	636.0	0.00	0.00	
2,000.0	34.14	154.94	1,822.4	-638.6	267.6	692.1	0.00	0.00	
2,100.0	34.14	154.94	1,905.2	-689.4	291.4	748.2	0.00	0.00	
2,137.2	34.14	154.94	1,936.0	-708.3	300.3	769.1	0.00	0.00	GARDEN_GULCH_TVD
2,200.0	34.14	154.94	1,988.0	-740.2	315.2	804.3	0.00	0.00	
2,300.0	34.14	154.94	2,070.7	-791.1	339.0	860.5	0.00	0.00	
2,400.0	34.14	154.94	2,153.5	-841.9	362.8	916.6	0.00	0.00	
2,500.0	34.14	154.94	2,236.3	-892.7	386.5	972.7	0.00	0.00	
2,600.0	34.14	154.94	2,319.0	-943.6	410.3	1,028.8	0.00	0.00	
2,700.0	34.14	154.94	2,401.8	-994.4	434.1	1,084.9	0.00	0.00	
2,800.0	34.14	154.94	2,484.5	-1,045.3	457.9	1,141.1	0.00	0.00	
2,900.0	34.14	154.94	2,567.3	-1,096.1	481.6	1,197.2	0.00	0.00	
3,000.0	34.14	154.94	2,650.1	-1,146.9	505.4	1,253.3	0.00	0.00	
3,100.0	34.14	154.94	2,732.8	-1,197.8	529.2	1,309.4	0.00	0.00	
3,200.0	34.14	154.94	2,815.6	-1,248.6	553.0	1,365.5	0.00	0.00	
3,300.0	34.14	154.94	2,898.4	-1,299.5	576.7	1,421.7	0.00	0.00	
3,400.0	34.14	154.94	2,981.1	-1,350.3	600.5	1,477.8	0.00	0.00	
3,401.0	34.14	154.94	2,982.0	-1,350.8	600.8	1,478.4	0.00	0.00	WASATCH_FM_TVD
3,500.0	34.14	154.94	3,063.9	-1,401.1	624.3	1,533.9	0.00	0.00	
3,600.0	34.14	154.94	3,146.7	-1,452.0	648.1	1,590.0	0.00	0.00	
3,700.0	34.14	154.94	3,229.4	-1,502.8	671.8	1,646.1	0.00	0.00	
3,800.0	34.14	154.94	3,312.2	-1,553.7	695.6	1,702.3	0.00	0.00	
3,900.0	34.14	154.94	3,395.0	-1,604.5	719.4	1,758.4	0.00	0.00	
4,000.0	34.14	154.94	3,477.7	-1,655.3	743.2	1,814.5	0.00	0.00	
4,100.0	34.14	154.94	3,560.5	-1,706.2	766.9	1,870.6	0.00	0.00	
4,200.0	34.14	154.94	3,643.3	-1,757.0	790.7	1,926.7	0.00	0.00	
4,300.0	34.14	154.94	3,726.0	-1,807.9	814.5	1,982.9	0.00	0.00	
4,400.0	34.14	154.94	3,808.8	-1,858.7	838.3	2,039.0	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF02E-09 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:	UWF02E-09 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	34.14	154.94	3,891.6	-1,909.5	862.0	2,095.1	0.00	0.00	
4,600.0	34.14	154.94	3,974.3	-1,960.4	885.8	2,151.2	0.00	0.00	
4,700.0	34.14	154.94	4,057.1	-2,011.2	909.6	2,207.3	0.00	0.00	
4,800.0	34.14	154.94	4,139.9	-2,062.0	933.4	2,263.4	0.00	0.00	
4,900.0	34.14	154.94	4,222.6	-2,112.9	957.1	2,319.6	0.00	0.00	
5,000.0	34.14	154.94	4,305.4	-2,163.7	980.9	2,375.7	0.00	0.00	
5,100.0	34.14	154.94	4,388.2	-2,214.6	1,004.7	2,431.8	0.00	0.00	
5,200.0	34.14	154.94	4,470.9	-2,265.4	1,028.5	2,487.9	0.00	0.00	
5,300.0	34.14	154.94	4,553.7	-2,316.2	1,052.2	2,544.0	0.00	0.00	
5,400.0	34.14	154.94	4,636.4	-2,367.1	1,076.0	2,600.2	0.00	0.00	
5,500.0	34.14	154.94	4,719.2	-2,417.9	1,099.8	2,656.3	0.00	0.00	
5,600.0	34.14	154.94	4,802.0	-2,468.8	1,123.6	2,712.4	0.00	0.00	
5,700.0	34.14	154.94	4,884.7	-2,519.6	1,147.3	2,768.5	0.00	0.00	
5,800.0	34.14	154.94	4,967.5	-2,570.4	1,171.1	2,824.6	0.00	0.00	
5,892.4	34.14	154.94	5,044.0	-2,617.4	1,193.1	2,876.5	0.00	0.00	WASATCH_G_TVD
5,900.0	34.14	154.94	5,050.3	-2,621.3	1,194.9	2,880.8	0.00	0.00	
6,000.0	34.14	154.94	5,133.0	-2,672.1	1,218.7	2,936.9	0.00	0.00	
6,100.0	34.14	154.94	5,215.8	-2,723.0	1,242.4	2,993.0	0.00	0.00	
6,200.0	34.14	154.94	5,298.6	-2,773.8	1,266.2	3,049.1	0.00	0.00	
6,300.0	34.14	154.94	5,381.3	-2,824.6	1,290.0	3,105.2	0.00	0.00	
6,400.0	34.14	154.94	5,464.1	-2,875.5	1,313.8	3,161.4	0.00	0.00	
6,500.0	34.14	154.94	5,546.9	-2,926.3	1,337.5	3,217.5	0.00	0.00	
6,600.0	34.14	154.94	5,629.6	-2,977.2	1,361.3	3,273.6	0.00	0.00	
6,700.0	34.14	154.94	5,712.4	-3,028.0	1,385.1	3,329.7	0.00	0.00	
6,800.0	34.14	154.94	5,795.2	-3,078.8	1,408.9	3,385.8	0.00	0.00	
6,900.0	34.14	154.94	5,877.9	-3,129.7	1,432.6	3,442.0	0.00	0.00	
6,998.1	34.14	154.94	5,959.1	-3,179.5	1,456.0	3,497.0	0.00	0.00	Start 3° Drop @ 6988.1' MD
7,000.0	34.08	154.94	5,960.7	-3,180.5	1,456.4	3,498.1	3.00	-3.00	
7,100.0	31.08	154.94	6,044.9	-3,229.3	1,479.2	3,551.9	3.00	-3.00	
7,200.0	28.08	154.94	6,131.9	-3,274.0	1,500.1	3,601.3	3.00	-3.00	
7,300.0	25.08	154.94	6,221.3	-3,314.5	1,519.1	3,646.0	3.00	-3.00	
7,400.0	22.08	154.94	6,313.0	-3,350.8	1,536.0	3,686.0	3.00	-3.00	
7,500.0	19.08	154.94	6,406.6	-3,382.6	1,550.9	3,721.2	3.00	-3.00	
7,600.0	16.08	154.94	6,501.9	-3,410.0	1,563.7	3,751.4	3.00	-3.00	
7,700.0	13.08	154.94	6,598.6	-3,432.8	1,574.4	3,776.6	3.00	-3.00	
7,800.0	10.08	154.94	6,696.6	-3,451.0	1,582.9	3,796.6	3.00	-3.00	
7,900.0	7.08	154.94	6,795.5	-3,464.5	1,589.2	3,811.6	3.00	-3.00	
8,000.0	4.08	154.94	6,895.0	-3,473.3	1,593.3	3,821.3	3.00	-3.00	
8,100.0	1.08	154.94	6,994.9	-3,477.4	1,595.3	3,825.8	3.00	-3.00	
8,136.1	0.00	0.00	7,031.0	-3,477.7	1,595.4	3,826.1	3.00	-3.00	EOD @ 8136.1' MD - WILLIAMS_FORK_TVD -
8,200.0	0.01	236.37	7,094.9	-3,477.7	1,595.4	3,826.1	0.02	0.02	
8,300.0	0.04	236.37	7,194.9	-3,477.7	1,595.4	3,826.2	0.02	0.02	
8,400.0	0.06	236.37	7,294.9	-3,477.8	1,595.3	3,826.2	0.02	0.02	
8,500.0	0.08	236.37	7,394.9	-3,477.8	1,595.2	3,826.2	0.02	0.02	
8,600.0	0.10	236.37	7,494.9	-3,477.9	1,595.1	3,826.2	0.02	0.02	
8,700.0	0.13	236.37	7,594.9	-3,478.0	1,594.9	3,826.2	0.02	0.02	
8,800.0	0.15	236.37	7,694.9	-3,478.2	1,594.7	3,826.3	0.02	0.02	
8,900.0	0.17	236.37	7,794.9	-3,478.3	1,594.5	3,826.3	0.02	0.02	
9,000.0	0.19	236.37	7,894.9	-3,478.5	1,594.2	3,826.4	0.02	0.02	
9,100.0	0.21	236.37	7,994.9	-3,478.7	1,593.9	3,826.4	0.02	0.02	
9,200.0	0.24	236.37	8,094.9	-3,478.9	1,593.6	3,826.5	0.02	0.02	
9,300.0	0.26	236.37	8,194.9	-3,479.2	1,593.2	3,826.6	0.02	0.02	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF02E-09 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:	UWF02E-09 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
9,400.0	0.28	236.37	8,294.9	-3,479.4	1,592.8	3,826.6	0.02	0.02	
9,500.0	0.30	236.37	8,394.9	-3,479.7	1,592.4	3,826.7	0.02	0.02	
9,600.0	0.33	236.37	8,494.9	-3,480.0	1,591.9	3,826.8	0.02	0.02	
9,700.0	0.35	236.37	8,594.9	-3,480.3	1,591.4	3,826.9	0.02	0.02	
9,800.0	0.37	236.37	8,694.9	-3,480.7	1,590.9	3,827.0	0.02	0.02	
9,878.8	0.39	236.37	8,773.7	-3,481.0	1,590.5	3,827.1	0.02	0.02	
9,900.0	0.39	236.37	8,794.8	-3,481.0	1,590.4	3,827.1	0.00	0.00	
10,000.0	0.39	236.37	8,894.8	-3,481.4	1,589.8	3,827.2	0.00	0.00	
10,100.0	0.39	236.37	8,994.8	-3,481.8	1,589.2	3,827.3	0.00	0.00	
10,200.0	0.39	236.37	9,094.8	-3,482.2	1,588.7	3,827.4	0.00	0.00	
10,300.0	0.39	236.37	9,194.8	-3,482.5	1,588.1	3,827.6	0.00	0.00	
10,400.0	0.39	236.37	9,294.8	-3,482.9	1,587.5	3,827.7	0.00	0.00	
10,500.0	0.39	236.37	9,394.8	-3,483.3	1,587.0	3,827.8	0.00	0.00	
10,600.0	0.39	236.37	9,494.8	-3,483.7	1,586.4	3,827.9	0.00	0.00	
10,700.0	0.39	236.37	9,594.8	-3,484.0	1,585.9	3,828.0	0.00	0.00	
10,800.0	0.39	236.37	9,694.8	-3,484.4	1,585.3	3,828.1	0.00	0.00	
10,900.0	0.39	236.37	9,794.8	-3,484.8	1,584.7	3,828.2	0.00	0.00	
11,000.0	0.39	236.37	9,894.8	-3,485.2	1,584.2	3,828.3	0.00	0.00	
11,100.0	0.39	236.37	9,994.8	-3,485.5	1,583.6	3,828.4	0.00	0.00	
11,200.0	0.39	236.37	10,094.8	-3,485.9	1,583.0	3,828.5	0.00	0.00	
11,300.0	0.39	236.37	10,194.8	-3,486.3	1,582.5	3,828.6	0.00	0.00	
11,400.0	0.39	236.37	10,294.8	-3,486.7	1,581.9	3,828.7	0.00	0.00	
11,500.0	0.39	236.37	10,394.8	-3,487.0	1,581.3	3,828.9	0.00	0.00	
11,600.0	0.39	236.37	10,494.8	-3,487.4	1,580.8	3,829.0	0.00	0.00	
11,673.2	0.39	236.37	10,568.0	-3,487.7	1,580.4	3,829.0	0.00	0.00	ROLLINS_TVD - UWF02E-09 K04 BHL
11,700.0	0.39	236.37	10,594.8	-3,487.8	1,580.2	3,829.1	0.00	0.00	
11,800.0	0.39	236.37	10,694.8	-3,488.2	1,579.7	3,829.2	0.00	0.00	
11,900.0	0.39	236.37	10,794.8	-3,488.5	1,579.1	3,829.3	0.00	0.00	
11,983.2	0.39	236.37	10,878.0	-3,488.9	1,578.6	3,829.4	0.00	0.00	COZZETTE_TVD
12,000.0	0.39	236.37	10,894.8	-3,488.9	1,578.5	3,829.4	0.00	0.00	
12,100.0	0.39	236.37	10,994.8	-3,489.3	1,578.0	3,829.5	0.00	0.00	
12,159.2	0.39	236.37	11,054.0	-3,489.5	1,577.6	3,829.6	0.00	0.00	CORCORAN_TVD
12,200.0	0.39	236.37	11,094.8	-3,489.7	1,577.4	3,829.6	0.00	0.00	
12,300.0	0.39	236.37	11,194.8	-3,490.0	1,576.8	3,829.7	0.00	0.00	
12,400.0	0.39	236.37	11,294.8	-3,490.4	1,576.3	3,829.8	0.00	0.00	
12,443.2	0.39	236.37	11,338.0	-3,490.6	1,576.0	3,829.9	0.00	0.00	UPPER_SEGO_TVD
12,500.0	0.39	236.37	11,394.8	-3,490.8	1,575.7	3,829.9	0.00	0.00	
12,600.0	0.39	236.37	11,494.8	-3,491.2	1,575.1	3,830.1	0.00	0.00	
12,700.0	0.39	236.37	11,594.8	-3,491.5	1,574.6	3,830.2	0.00	0.00	
12,800.0	0.39	236.37	11,694.8	-3,491.9	1,574.0	3,830.3	0.00	0.00	
12,900.0	0.39	236.37	11,794.8	-3,492.3	1,573.5	3,830.4	0.00	0.00	
13,000.0	0.39	236.37	11,894.8	-3,492.7	1,572.9	3,830.5	0.00	0.00	TD @ 13,000' MD

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF02E-09 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:	UWF02E-09 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									
UWF02E-09 K04 TGT - plan hits target center - Point	0.00	358.32	7,031.0	-3,477.7	1,595.4	1,666,665.84	2,248,282.08	39° 38' 0.47 N	108° 10' 9.79 W
UWF02E-09 K04 BHL - plan hits target center - Rectangle (sides W30.0 H50.0 D0.0)	0.00	358.32	10,568.0	-3,487.7	1,580.4	1,666,656.29	2,248,266.77	39° 38' 0.37 N	108° 10' 9.98 W

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
980.6	960.0	A_GROOVE_TVD				
1,166.0	1,127.0	B_GROOVE_TVD				
1,211.7	1,167.0	B_GROOVE_BASE_TVD				
2,137.2	1,936.0	GARDEN_GULCH_TVD				
3,401.0	2,982.0	WASATCH_FM_TVD				
5,892.4	5,044.0	WASATCH_G_TVD				
8,136.1	7,031.0	WILLIAMS_FORK_TVD				
11,673.2	10,568.0	ROLLINS_TVD				
11,983.2	10,878.0	COZZETTE_TVD				
12,159.2	11,054.0	CORCORAN_TVD				
12,443.2	11,338.0	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	
466.7	465.8	-18.5	1.6	Start Build/Turn @ 466.7' MD	
1,358.4	1,291.4	-312.4	115.1	End Build/Turn; Inc=34.14°	
6,998.1	5,959.1	-3,179.5	1,456.0	Start 3° Drop @ 6988.1' MD	
8,136.1	7,031.0	-3,477.7	1,595.4	EOD @ 8136.1' MD	
13,000.0	11,894.8	-3,492.7	1,572.9	TD @ 13,000' MD	