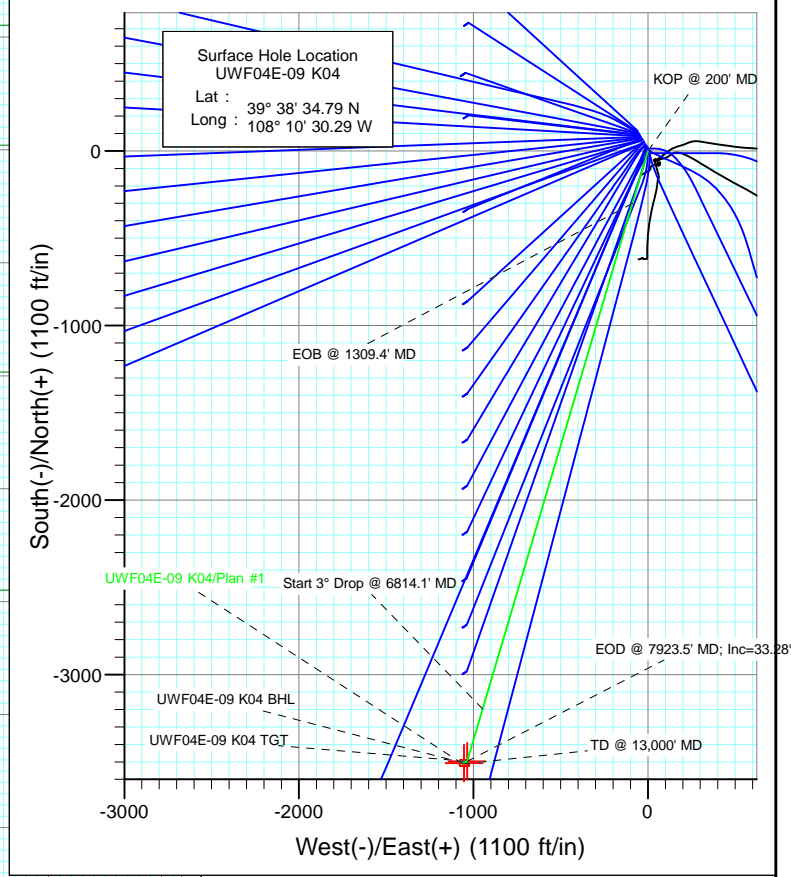


**SECTION DETAILS**

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	1309.4	33.28	196.50	1248.0	-300.3	-89.0	3.00	196.50	313.2	
4	6814.1	33.28	196.50	5850.0	-3196.6	-947.1	0.00	0.00	3333.9	
5	7923.5	0.00	0.00	6898.0	-3496.9	-1036.1	3.00	180.00	3647.1	UWF04E-09 K04 TGT
6	8054.5	0.33	239.35	7029.0	-3497.1	-1036.4	0.25	239.35	3647.4	
7	11438.6	0.33	239.35	10413.0	-3506.9	-1053.1	0.00	0.00	3661.6	UWF04E-09 K04 BHL
8	13000.0	0.33	239.35	11974.4	-3511.5	-1060.7	0.00	0.00	3668.2	



**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
940.0	959.9	A_GROOVE_TVD
1102.0	1139.4	B_GROOVE_TVD
1142.0	1185.0	B_GROOVE_BASE_TVD
1897.0	2085.7	GARDEN_GULCH_TVD
2959.0	3356.0	WASATCH_FM_TVD
4967.0	5757.9	WASATCH_G_TVD
6898.0	7923.5	WILLIAMS_FORK_TVD
10413.0	11438.6	ROLLINS_TVD
10716.0	11741.6	COZZETTE_TVD
10890.0	11915.6	CORCORAN_TVD
11179.0	12204.6	UPPER_SEGO_TVD

Plan #1  
 UWF04E-09 K04  
 KB @ 8226.0ft (Original Well Elev)  
 North American Datum 1983  
 Well UWF04E-09 K04, True North

Type	Target	Azimuth	Origin	N/S	E/W	From
Target	UWF04E-09 K04 BHL	196.71	Type Slot	0.0	0.0	0.0
Name	TVD	+N-/S	+E-/W	Latitude	Longitude	
UWF04E-09 K04 TGT	6898.0	-3496.9	-1036.1	39° 38' 0.23 N	108° 10' 43.53 W	
UWF04E-09 K04 BHL	10413.0	-3506.9	-1053.1	39° 38' 0.13 N	108° 10' 43.75 W	

## Planning Report

<b>Database:</b> USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b> Well UWF04E-09 K04
<b>Company:</b> EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b> KB @ 8226.0ft (Original Well Elev)
<b>Project:</b> North Piceance	<b>MD Reference:</b> KB @ 8226.0ft (Original Well Elev)
<b>Site:</b> K04 Pad	<b>North Reference:</b> True
<b>Well:</b> UWF04E-09 K04	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Wellbore:</b> DD	
<b>Design:</b> Plan #1	

<b>Project</b> North Piceance		
<b>Map System:</b> US State Plane 1983	<b>System Datum:</b> Mean Sea Level	
<b>Geo Datum:</b> North American Datum 1983		
<b>Map Zone:</b> Colorado Central Zone		

<b>Site</b> K04 Pad					
<b>Site Position:</b>		<b>Northing:</b>	1,636,938.27 ft	<b>Latitude:</b>	39° 33' 11.18 N
<b>From:</b> Lat/Long		<b>Easting:</b>	2,263,572.45 ft	<b>Longitude:</b>	108° 6' 43.51 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	13.200 in	<b>Grid Convergence:</b>	-1.65 °

<b>Well</b> UWF04E-09 K04					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	1,670,184.20 ft	<b>Latitude:</b> 39° 38' 34.79 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,246,781.02 ft	<b>Longitude:</b> 108° 10' 30.29 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b> 8,193.0 ft

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

<b>Design</b> Plan #1				
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	196.71

<b>Plan Sections</b>										
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	
1,309.4	33.28	196.50	1,248.0	-300.3	-89.0	3.00	3.00	0.00	196.50	
6,814.1	33.28	196.50	5,850.0	-3,196.6	-947.1	0.00	0.00	0.00	0.00	
7,923.5	0.00	0.00	6,898.0	-3,496.9	-1,036.1	3.00	-3.00	0.00	180.00	UWF04E-09 K04 TG1
8,054.5	0.33	239.35	7,029.0	-3,497.1	-1,036.4	0.25	0.25	-92.12	239.35	
11,438.6	0.33	239.35	10,413.0	-3,506.9	-1,053.1	0.00	0.00	0.00	0.00	UWF04E-09 K04 BHL
13,000.0	0.33	239.35	11,974.4	-3,511.5	-1,060.7	0.00	0.00	0.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF04E-09 K04
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB @ 8226.0ft (Original Well Elev)
<b>Project:</b>	North Piceance	<b>MD Reference:</b>	KB @ 8226.0ft (Original Well Elev)
<b>Site:</b>	K04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF04E-09 K04	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	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	196.50	300.0	-2.5	-0.7	2.6	3.00	3.00	
400.0	6.00	196.50	399.6	-10.0	-3.0	10.5	3.00	3.00	
500.0	9.00	196.50	498.8	-22.5	-6.7	23.5	3.00	3.00	
600.0	12.00	196.50	597.1	-40.0	-11.9	41.7	3.00	3.00	
700.0	15.00	196.50	694.3	-62.4	-18.5	65.1	3.00	3.00	
800.0	18.00	196.50	790.2	-89.6	-26.6	93.5	3.00	3.00	
900.0	21.00	196.50	884.4	-121.6	-36.0	126.9	3.00	3.00	
959.9	22.80	196.50	940.0	-143.0	-42.4	149.2	3.00	3.00	A_GROOVE_TVD
1,000.0	24.00	196.50	976.8	-158.3	-46.9	165.1	3.00	3.00	
1,100.0	27.00	196.50	1,067.1	-199.6	-59.1	208.2	3.00	3.00	
1,139.4	28.18	196.50	1,102.0	-217.1	-64.3	226.4	3.00	3.00	B_GROOVE_TVD
1,185.1	29.55	196.50	1,142.0	-238.2	-70.6	248.5	3.00	3.00	B_GROOVE_BASE_TVD
1,200.0	30.00	196.50	1,154.9	-245.3	-72.7	255.9	3.00	3.00	
1,300.0	33.00	196.50	1,240.2	-295.4	-87.5	308.1	3.00	3.00	
1,309.4	33.28	196.50	1,248.0	-300.3	-89.0	313.2	3.00	3.00	EOB @ 1309.4' MD
1,400.0	33.28	196.50	1,323.8	-348.0	-103.1	363.0	0.00	0.00	
1,500.0	33.28	196.50	1,407.4	-400.6	-118.7	417.8	0.00	0.00	
1,600.0	33.28	196.50	1,491.0	-453.2	-134.3	472.7	0.00	0.00	
1,700.0	33.28	196.50	1,574.6	-505.9	-149.9	527.6	0.00	0.00	
1,800.0	33.28	196.50	1,658.2	-558.5	-165.5	582.5	0.00	0.00	
1,900.0	33.28	196.50	1,741.8	-611.1	-181.1	637.3	0.00	0.00	
2,000.0	33.28	196.50	1,825.4	-663.7	-196.6	692.2	0.00	0.00	
2,085.7	33.28	196.50	1,897.0	-708.8	-210.0	739.2	0.00	0.00	GARDEN_GULCH_TVD
2,100.0	33.28	196.50	1,909.0	-716.3	-212.2	747.1	0.00	0.00	
2,200.0	33.28	196.50	1,992.6	-768.9	-227.8	802.0	0.00	0.00	
2,300.0	33.28	196.50	2,076.2	-821.5	-243.4	856.8	0.00	0.00	
2,400.0	33.28	196.50	2,159.8	-874.1	-259.0	911.7	0.00	0.00	
2,500.0	33.28	196.50	2,243.4	-926.8	-274.6	966.6	0.00	0.00	
2,600.0	33.28	196.50	2,327.0	-979.4	-290.2	1,021.5	0.00	0.00	
2,700.0	33.28	196.50	2,410.6	-1,032.0	-305.8	1,076.3	0.00	0.00	
2,800.0	33.28	196.50	2,494.2	-1,084.6	-321.4	1,131.2	0.00	0.00	
2,900.0	33.28	196.50	2,577.8	-1,137.2	-336.9	1,186.1	0.00	0.00	
3,000.0	33.28	196.50	2,661.4	-1,189.8	-352.5	1,240.9	0.00	0.00	
3,100.0	33.28	196.50	2,745.0	-1,242.4	-368.1	1,295.8	0.00	0.00	
3,200.0	33.28	196.50	2,828.6	-1,295.1	-383.7	1,350.7	0.00	0.00	
3,300.0	33.28	196.50	2,912.2	-1,347.7	-399.3	1,405.6	0.00	0.00	
3,356.0	33.28	196.50	2,959.0	-1,377.1	-408.0	1,436.3	0.00	0.00	WASATCH_FM_TVD
3,400.0	33.28	196.50	2,995.8	-1,400.3	-414.9	1,460.4	0.00	0.00	
3,500.0	33.28	196.50	3,079.4	-1,452.9	-430.5	1,515.3	0.00	0.00	
3,600.0	33.28	196.50	3,163.0	-1,505.5	-446.1	1,570.2	0.00	0.00	
3,700.0	33.28	196.50	3,246.6	-1,558.1	-461.7	1,625.1	0.00	0.00	
3,800.0	33.28	196.50	3,330.2	-1,610.7	-477.2	1,679.9	0.00	0.00	
3,900.0	33.28	196.50	3,413.8	-1,663.3	-492.8	1,734.8	0.00	0.00	
4,000.0	33.28	196.50	3,497.4	-1,716.0	-508.4	1,789.7	0.00	0.00	
4,100.0	33.28	196.50	3,581.0	-1,768.6	-524.0	1,844.6	0.00	0.00	
4,200.0	33.28	196.50	3,664.6	-1,821.2	-539.6	1,899.4	0.00	0.00	
4,300.0	33.28	196.50	3,748.2	-1,873.8	-555.2	1,954.3	0.00	0.00	
4,400.0	33.28	196.50	3,831.8	-1,926.4	-570.8	2,009.2	0.00	0.00	
4,500.0	33.28	196.50	3,915.4	-1,979.0	-586.4	2,064.1	0.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF04E-09 K04
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB @ 8226.0ft (Original Well Elev)
<b>Project:</b>	North Piceance	<b>MD Reference:</b>	KB @ 8226.0ft (Original Well Elev)
<b>Site:</b>	K04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF04E-09 K04	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	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	33.28	196.50	3,999.0	-2,031.6	-602.0	2,118.9	0.00	0.00	
4,700.0	33.28	196.50	4,082.6	-2,084.3	-617.5	2,173.8	0.00	0.00	
4,800.0	33.28	196.50	4,166.2	-2,136.9	-633.1	2,228.7	0.00	0.00	
4,900.0	33.28	196.50	4,249.8	-2,189.5	-648.7	2,283.5	0.00	0.00	
5,000.0	33.28	196.50	4,333.4	-2,242.1	-664.3	2,338.4	0.00	0.00	
5,100.0	33.28	196.50	4,417.0	-2,294.7	-679.9	2,393.3	0.00	0.00	
5,200.0	33.28	196.50	4,500.6	-2,347.3	-695.5	2,448.2	0.00	0.00	
5,300.0	33.28	196.50	4,584.2	-2,399.9	-711.1	2,503.0	0.00	0.00	
5,400.0	33.28	196.50	4,667.8	-2,452.5	-726.7	2,557.9	0.00	0.00	
5,500.0	33.28	196.50	4,751.4	-2,505.2	-742.3	2,612.8	0.00	0.00	
5,600.0	33.28	196.50	4,835.0	-2,557.8	-757.8	2,667.7	0.00	0.00	
5,700.0	33.28	196.50	4,918.6	-2,610.4	-773.4	2,722.5	0.00	0.00	
5,757.9	33.28	196.50	4,967.0	-2,640.9	-782.5	2,754.3	0.00	0.00	WASATCH_G_TVD
5,800.0	33.28	196.50	5,002.2	-2,663.0	-789.0	2,777.4	0.00	0.00	
5,900.0	33.28	196.50	5,085.8	-2,715.6	-804.6	2,832.3	0.00	0.00	
6,000.0	33.28	196.50	5,169.4	-2,768.2	-820.2	2,887.2	0.00	0.00	
6,100.0	33.28	196.50	5,253.0	-2,820.8	-835.8	2,942.0	0.00	0.00	
6,200.0	33.28	196.50	5,336.6	-2,873.5	-851.4	2,996.9	0.00	0.00	
6,300.0	33.28	196.50	5,420.2	-2,926.1	-867.0	3,051.8	0.00	0.00	
6,400.0	33.28	196.50	5,503.8	-2,978.7	-882.6	3,106.7	0.00	0.00	
6,500.0	33.28	196.50	5,587.4	-3,031.3	-898.1	3,161.5	0.00	0.00	
6,600.0	33.28	196.50	5,671.0	-3,083.9	-913.7	3,216.4	0.00	0.00	
6,700.0	33.28	196.50	5,754.6	-3,136.5	-929.3	3,271.3	0.00	0.00	
6,800.0	33.28	196.50	5,838.2	-3,189.1	-944.9	3,326.1	0.00	0.00	
6,814.1	33.28	196.50	5,850.0	-3,196.6	-947.1	3,333.9	0.00	0.00	Start 3° Drop @ 6814.1' MD
6,900.0	30.71	196.50	5,922.8	-3,240.2	-960.0	3,379.4	3.00	-3.00	
7,000.0	27.71	196.50	6,010.1	-3,287.0	-973.9	3,428.2	3.00	-3.00	
7,100.0	24.71	196.50	6,099.8	-3,329.3	-986.4	3,472.3	3.00	-3.00	
7,200.0	21.71	196.50	6,191.7	-3,367.1	-997.6	3,511.7	3.00	-3.00	
7,300.0	18.71	196.50	6,285.5	-3,400.2	-1,007.4	3,546.3	3.00	-3.00	
7,400.0	15.71	196.50	6,381.0	-3,428.5	-1,015.8	3,575.8	3.00	-3.00	
7,500.0	12.71	196.50	6,478.0	-3,452.1	-1,022.8	3,600.4	3.00	-3.00	
7,600.0	9.71	196.50	6,576.0	-3,470.7	-1,028.3	3,619.8	3.00	-3.00	
7,700.0	6.71	196.50	6,675.0	-3,484.4	-1,032.4	3,634.1	3.00	-3.00	
7,800.0	3.71	196.50	6,774.6	-3,493.1	-1,035.0	3,643.1	3.00	-3.00	
7,900.0	0.71	196.50	6,874.5	-3,496.8	-1,036.1	3,647.0	3.00	-3.00	
7,923.5	0.00	0.00	6,898.0	-3,496.9	-1,036.1	3,647.1	3.00	-3.00	EOD @ 7923.5' MD; Inc=33.28° - WILLIAMS_F
8,000.0	0.19	239.35	6,974.5	-3,497.0	-1,036.2	3,647.2	0.25	0.25	
8,054.5	0.33	239.35	7,029.0	-3,497.1	-1,036.4	3,647.4	0.25	0.25	
8,100.0	0.33	239.35	7,074.5	-3,497.2	-1,036.6	3,647.6	0.00	0.00	
8,200.0	0.33	239.35	7,174.5	-3,497.5	-1,037.1	3,648.0	0.00	0.00	
8,300.0	0.33	239.35	7,274.5	-3,497.8	-1,037.6	3,648.4	0.00	0.00	
8,400.0	0.33	239.35	7,374.5	-3,498.1	-1,038.1	3,648.9	0.00	0.00	
8,500.0	0.33	239.35	7,474.5	-3,498.4	-1,038.6	3,649.3	0.00	0.00	
8,600.0	0.33	239.35	7,574.5	-3,498.7	-1,039.1	3,649.7	0.00	0.00	
8,700.0	0.33	239.35	7,674.5	-3,499.0	-1,039.6	3,650.1	0.00	0.00	
8,800.0	0.33	239.35	7,774.5	-3,499.3	-1,040.1	3,650.5	0.00	0.00	
8,900.0	0.33	239.35	7,874.5	-3,499.6	-1,040.6	3,651.0	0.00	0.00	
9,000.0	0.33	239.35	7,974.5	-3,499.8	-1,041.1	3,651.4	0.00	0.00	
9,100.0	0.33	239.35	8,074.5	-3,500.1	-1,041.6	3,651.8	0.00	0.00	
9,200.0	0.33	239.35	8,174.5	-3,500.4	-1,042.1	3,652.2	0.00	0.00	
9,300.0	0.33	239.35	8,274.5	-3,500.7	-1,042.5	3,652.7	0.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF04E-09 K04
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB @ 8226.0ft (Original Well Elev)
<b>Project:</b>	North Piceance	<b>MD Reference:</b>	KB @ 8226.0ft (Original Well Elev)
<b>Site:</b>	K04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF04E-09 K04	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	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	0.33	239.35	8,374.5	-3,501.0	-1,043.0	3,653.1	0.00	0.00	
9,500.0	0.33	239.35	8,474.5	-3,501.3	-1,043.5	3,653.5	0.00	0.00	
9,600.0	0.33	239.35	8,574.5	-3,501.6	-1,044.0	3,653.9	0.00	0.00	
9,700.0	0.33	239.35	8,674.5	-3,501.9	-1,044.5	3,654.3	0.00	0.00	
9,800.0	0.33	239.35	8,774.5	-3,502.2	-1,045.0	3,654.8	0.00	0.00	
9,900.0	0.33	239.35	8,874.5	-3,502.5	-1,045.5	3,655.2	0.00	0.00	
10,000.0	0.33	239.35	8,974.5	-3,502.8	-1,046.0	3,655.6	0.00	0.00	
10,100.0	0.33	239.35	9,074.5	-3,503.0	-1,046.5	3,656.0	0.00	0.00	
10,200.0	0.33	239.35	9,174.5	-3,503.3	-1,047.0	3,656.4	0.00	0.00	
10,300.0	0.33	239.35	9,274.5	-3,503.6	-1,047.5	3,656.9	0.00	0.00	
10,400.0	0.33	239.35	9,374.5	-3,503.9	-1,048.0	3,657.3	0.00	0.00	
10,500.0	0.33	239.35	9,474.5	-3,504.2	-1,048.4	3,657.7	0.00	0.00	
10,600.0	0.33	239.35	9,574.5	-3,504.5	-1,048.9	3,658.1	0.00	0.00	
10,700.0	0.33	239.35	9,674.5	-3,504.8	-1,049.4	3,658.5	0.00	0.00	
10,800.0	0.33	239.35	9,774.5	-3,505.1	-1,049.9	3,659.0	0.00	0.00	
10,900.0	0.33	239.35	9,874.5	-3,505.4	-1,050.4	3,659.4	0.00	0.00	
11,000.0	0.33	239.35	9,974.4	-3,505.7	-1,050.9	3,659.8	0.00	0.00	
11,100.0	0.33	239.35	10,074.4	-3,506.0	-1,051.4	3,660.2	0.00	0.00	
11,200.0	0.33	239.35	10,174.4	-3,506.3	-1,051.9	3,660.6	0.00	0.00	
11,300.0	0.33	239.35	10,274.4	-3,506.5	-1,052.4	3,661.1	0.00	0.00	
11,400.0	0.33	239.35	10,374.4	-3,506.8	-1,052.9	3,661.5	0.00	0.00	
11,438.6	0.33	239.35	10,413.0	-3,506.9	-1,053.1	3,661.6	0.00	0.00	ROLLINS_TVD - UWF04E-09 K04 BHL
11,500.0	0.33	239.35	10,474.4	-3,507.1	-1,053.4	3,661.9	0.00	0.00	
11,600.0	0.33	239.35	10,574.4	-3,507.4	-1,053.9	3,662.3	0.00	0.00	
11,700.0	0.33	239.35	10,674.4	-3,507.7	-1,054.3	3,662.7	0.00	0.00	
11,741.6	0.33	239.35	10,716.0	-3,507.8	-1,054.5	3,662.9	0.00	0.00	COZZETTE_TVD
11,800.0	0.33	239.35	10,774.4	-3,508.0	-1,054.8	3,663.2	0.00	0.00	
11,900.0	0.33	239.35	10,874.4	-3,508.3	-1,055.3	3,663.6	0.00	0.00	
11,915.6	0.33	239.35	10,890.0	-3,508.3	-1,055.4	3,663.6	0.00	0.00	CORCORAN_TVD
12,000.0	0.33	239.35	10,974.4	-3,508.6	-1,055.8	3,664.0	0.00	0.00	
12,100.0	0.33	239.35	11,074.4	-3,508.9	-1,056.3	3,664.4	0.00	0.00	
12,200.0	0.33	239.35	11,174.4	-3,509.2	-1,056.8	3,664.8	0.00	0.00	
12,204.6	0.33	239.35	11,179.0	-3,509.2	-1,056.8	3,664.9	0.00	0.00	UPPER_SEGO_TVD
12,300.0	0.33	239.35	11,274.4	-3,509.5	-1,057.3	3,665.3	0.00	0.00	
12,400.0	0.33	239.35	11,374.4	-3,509.7	-1,057.8	3,665.7	0.00	0.00	
12,500.0	0.33	239.35	11,474.4	-3,510.0	-1,058.3	3,666.1	0.00	0.00	
12,600.0	0.33	239.35	11,574.4	-3,510.3	-1,058.8	3,666.5	0.00	0.00	
12,700.0	0.33	239.35	11,674.4	-3,510.6	-1,059.3	3,666.9	0.00	0.00	
12,800.0	0.33	239.35	11,774.4	-3,510.9	-1,059.8	3,667.4	0.00	0.00	
12,900.0	0.33	239.35	11,874.4	-3,511.2	-1,060.2	3,667.8	0.00	0.00	
13,000.0	0.33	239.35	11,974.4	-3,511.5	-1,060.7	3,668.2	0.00	0.00	TD @ 13,000' MD

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF04E-09 K04
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB @ 8226.0ft (Original Well Elev)
<b>Project:</b>	North Piceance	<b>MD Reference:</b>	KB @ 8226.0ft (Original Well Elev)
<b>Site:</b>	K04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF04E-09 K04	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	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									
UWF04E-09 K04 TGT - plan hits target center - Point	0.00	358.31	6,898.0	-3,496.9	-1,036.1	1,666,719.32	2,245,642.41	39° 38' 0.23 N	108° 10' 43.53 W
UWF04E-09 K04 BHL - plan hits target center - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	10,413.0	-3,506.9	-1,053.1	1,666,709.78	2,245,625.16	39° 38' 0.13 N	108° 10' 43.75 W

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
959.9	940.0	A_GROOVE_TVD				
1,139.4	1,102.0	B_GROOVE_TVD				
1,185.1	1,142.0	B_GROOVE_BASE_TVD				
2,085.7	1,897.0	GARDEN_GULCH_TVD				
3,356.0	2,959.0	WASATCH_FM_TVD				
5,757.9	4,967.0	WASATCH_G_TVD				
7,923.5	6,898.0	WILLIAMS_FORK_TVD				
11,438.6	10,413.0	ROLLINS_TVD				
11,741.6	10,716.0	COZZETTE_TVD				
11,915.6	10,890.0	CORCORAN_TVD				
12,204.6	11,179.0	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	
1,309.4	1,248.0	-300.3	-89.0	EOB @ 1309.4' MD	
6,814.1	5,850.0	-3,196.6	-947.1	Start 3° Drop @ 6814.1' MD	
7,923.5	6,898.0	-3,496.9	-1,036.1	EOD @ 7923.5' MD; Inc=33.28°	
13,000.0	11,974.4	-3,511.5	-1,060.7	TD @ 13,000' MD	