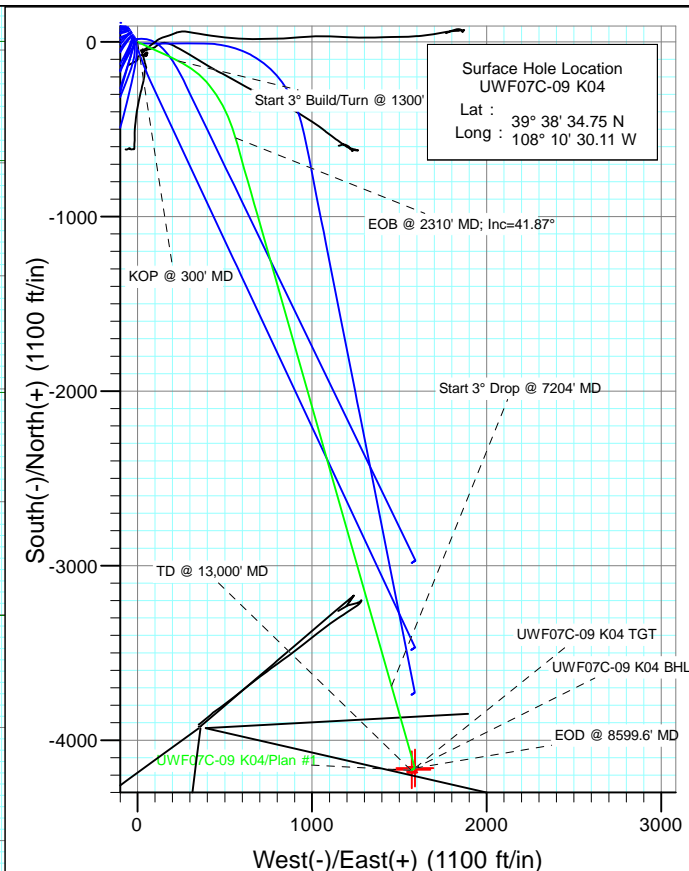


SECTION DETAILS

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	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	1300.0	30.00	115.00	1254.9	-108.1	231.9	3.00	115.00	183.0	
4	2310.0	41.87	164.11	2087.9	-549.4	560.8	3.00	89.31	711.8	
5	7204.0	41.87	164.11	5732.3	-3690.7	1455.3	0.00	0.00	3966.8	
6	8599.6	0.00	0.00	7007.0	-4159.7	1588.8	3.00	180.00	4452.8	UWF07C-09 K04 TGT
7	8735.0	0.34	239.61	7142.4	-4159.9	1588.5	0.25	239.61	4452.8	
8	12000.6	0.34	239.61	10408.0	-4169.7	1571.8	0.00	0.00	4456.1	UWF07C-09 K04 BHL
9	13000.0	0.34	239.61	11407.4	-4172.7	1566.7	0.00	0.00	4457.1	



Azimuths to True North
Magnetic North: 10.34°

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

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
953.0	966.4	A_GROOVE_TVD
1122.0	1149.8	B_GROOVE_TVD
1162.0	1194.3	B_GROOVE_BASE_TVD
1923.0	2095.3	GARDEN_GULCH_TVD
2980.0	3508.0	WASATCH_FM_TVD
5033.0	6264.9	WASATCH_G_TVD
7007.0	8599.6	WILLIAMS_FORK_TVD
10542.0	12134.6	ROLLINS_TVD
10852.0	12444.6	COZZETTE_TVD
11028.0	12620.6	CORCORAN_TVD
11313.0	12905.6	UPPER_SEGO_TVD

Plan #1
UWF07C-09 K04
KB @ 8226.0ft (Original Well Elev)
North American Datum 1983
Well UWF07C-09 K04, True North

Type	Target	Azimuth	Origin	N/S	E/W	From
Target	UWF07C-09 K04 BHL	159.35	Type	0.0	0.0	TVD
Name	UWF07C-09 K04 TGT	TVD	+N/-S	Latitude	Longitude	
	UWF07C-09 K04 BHL	7007.0	-4159.7	39° 37' 53.64 N	108° 10' 9.80 W	
		10408.0	-4169.7	39° 37' 53.54 N	108° 10' 10.02 W	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF07C-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:	UWF07C-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	UWF07C-09 K04					
Well Position	+N/-S	0.0 ft	Northing:	1,670,179.74 ft	Latitude:	39° 38' 34.75 N
	+E/-W	0.0 ft	Easting:	2,246,794.97 ft	Longitude:	108° 10' 30.11 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
			(°)	(°)	(nT)
	IGRF2010	4/12/2012	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	159.35

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	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,300.0	30.00	115.00	1,254.9	-108.1	231.9	3.00	3.00	0.00	115.00	
2,310.0	41.87	164.11	2,087.9	-549.4	560.8	3.00	1.17	4.86	89.31	
7,204.0	41.87	164.11	5,732.3	-3,690.7	1,455.3	0.00	0.00	0.00	0.00	
8,599.6	0.00	0.00	7,007.0	-4,159.7	1,588.8	3.00	-3.00	0.00	180.00	UWF07C-09 K04 TG1
8,735.0	0.34	239.61	7,142.4	-4,159.9	1,588.5	0.25	0.25	-88.88	239.61	
12,000.6	0.34	239.61	10,408.0	-4,169.7	1,571.8	0.00	0.00	0.00	0.00	UWF07C-09 K04 BHL
13,000.0	0.34	239.61	11,407.4	-4,172.7	1,566.7	0.00	0.00	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF07C-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:	UWF07C-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	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	KOP @ 300' MD
400.0	3.00	115.00	400.0	-1.1	2.4	1.9	3.00	3.00	
500.0	6.00	115.00	499.6	-4.4	9.5	7.5	3.00	3.00	
600.0	9.00	115.00	598.8	-9.9	21.3	16.8	3.00	3.00	
700.0	12.00	115.00	697.1	-17.6	37.8	29.8	3.00	3.00	
800.0	15.00	115.00	794.3	-27.5	59.0	46.5	3.00	3.00	
900.0	18.00	115.00	890.2	-39.5	84.7	66.8	3.00	3.00	
966.4	19.99	115.00	953.0	-48.6	104.3	82.3	3.00	3.00	A_GROOVE_TVD
1,000.0	21.00	115.00	984.4	-53.6	115.0	90.7	3.00	3.00	
1,100.0	24.00	115.00	1,076.8	-69.8	149.6	118.1	3.00	3.00	
1,149.8	25.49	115.00	1,122.0	-78.6	168.5	133.0	3.00	3.00	B_GROOVE_TVD
1,194.3	26.83	115.00	1,162.0	-86.9	186.3	147.0	3.00	3.00	B_GROOVE_BASE_TVD
1,200.0	27.00	115.00	1,167.1	-88.0	188.7	148.9	3.00	3.00	
1,300.0	30.00	115.00	1,254.9	-108.1	231.9	183.0	3.00	3.00	Start 3° Build/Turn @ 1300' MD
1,400.0	30.17	120.98	1,341.5	-131.6	276.1	220.6	3.00	0.17	
1,500.0	30.61	126.85	1,427.8	-159.8	318.0	261.8	3.00	0.44	
1,600.0	31.30	132.52	1,513.5	-192.7	357.6	306.4	3.00	0.69	
1,700.0	32.24	137.94	1,598.6	-230.0	394.6	354.4	3.00	0.93	
1,800.0	33.39	143.05	1,682.6	-271.8	429.0	405.7	3.00	1.15	
1,900.0	34.74	147.84	1,765.5	-318.0	460.7	460.0	3.00	1.35	
2,000.0	36.26	152.29	1,846.9	-368.3	489.6	517.3	3.00	1.52	
2,095.3	37.85	156.23	1,923.0	-420.0	514.5	574.5	3.00	1.67	GARDEN_GULCH_TVD
2,100.0	37.93	156.42	1,926.7	-422.6	515.7	577.4	3.00	1.74	
2,200.0	39.74	160.24	2,004.6	-480.9	538.8	640.1	3.00	1.81	
2,300.0	41.67	163.77	2,080.4	-542.9	558.9	705.2	3.00	1.92	
2,310.0	41.87	164.11	2,087.9	-549.4	560.8	711.8	3.00	1.98	EOB @ 2310' MD; Inc=41.87°
2,400.0	41.87	164.11	2,154.9	-607.1	577.2	771.7	0.00	0.00	
2,500.0	41.87	164.11	2,229.3	-671.3	595.5	838.2	0.00	0.00	
2,600.0	41.87	164.11	2,303.8	-735.5	613.8	904.7	0.00	0.00	
2,700.0	41.87	164.11	2,378.3	-799.7	632.0	971.2	0.00	0.00	
2,800.0	41.87	164.11	2,452.7	-863.9	650.3	1,037.7	0.00	0.00	
2,900.0	41.87	164.11	2,527.2	-928.0	668.6	1,104.2	0.00	0.00	
3,000.0	41.87	164.11	2,601.7	-992.2	686.9	1,170.7	0.00	0.00	
3,100.0	41.87	164.11	2,676.2	-1,056.4	705.1	1,237.2	0.00	0.00	
3,200.0	41.87	164.11	2,750.6	-1,120.6	723.4	1,303.8	0.00	0.00	
3,300.0	41.87	164.11	2,825.1	-1,184.8	741.7	1,370.3	0.00	0.00	
3,400.0	41.87	164.11	2,899.6	-1,249.0	760.0	1,436.8	0.00	0.00	
3,500.0	41.87	164.11	2,974.0	-1,313.2	778.3	1,503.3	0.00	0.00	
3,508.0	41.87	164.11	2,980.0	-1,318.3	779.7	1,508.6	0.00	0.00	WASATCH_FM_TVD
3,600.0	41.87	164.11	3,048.5	-1,377.4	796.5	1,569.8	0.00	0.00	
3,700.0	41.87	164.11	3,123.0	-1,441.6	814.8	1,636.3	0.00	0.00	
3,800.0	41.87	164.11	3,197.4	-1,505.7	833.1	1,702.8	0.00	0.00	
3,900.0	41.87	164.11	3,271.9	-1,569.9	851.4	1,769.3	0.00	0.00	
4,000.0	41.87	164.11	3,346.4	-1,634.1	869.6	1,835.8	0.00	0.00	
4,100.0	41.87	164.11	3,420.8	-1,698.3	887.9	1,902.4	0.00	0.00	
4,200.0	41.87	164.11	3,495.3	-1,762.5	906.2	1,968.9	0.00	0.00	
4,300.0	41.87	164.11	3,569.8	-1,826.7	924.5	2,035.4	0.00	0.00	
4,400.0	41.87	164.11	3,644.3	-1,890.9	942.8	2,101.9	0.00	0.00	
4,500.0	41.87	164.11	3,718.7	-1,955.1	961.0	2,168.4	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF07C-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:	UWF07C-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
4,600.0	41.87	164.11	3,793.2	-2,019.3	979.3	2,234.9	0.00	0.00	
4,700.0	41.87	164.11	3,867.7	-2,083.5	997.6	2,301.4	0.00	0.00	
4,800.0	41.87	164.11	3,942.1	-2,147.6	1,015.9	2,367.9	0.00	0.00	
4,900.0	41.87	164.11	4,016.6	-2,211.8	1,034.1	2,434.4	0.00	0.00	
5,000.0	41.87	164.11	4,091.1	-2,276.0	1,052.4	2,501.0	0.00	0.00	
5,100.0	41.87	164.11	4,165.5	-2,340.2	1,070.7	2,567.5	0.00	0.00	
5,200.0	41.87	164.11	4,240.0	-2,404.4	1,089.0	2,634.0	0.00	0.00	
5,300.0	41.87	164.11	4,314.5	-2,468.6	1,107.3	2,700.5	0.00	0.00	
5,400.0	41.87	164.11	4,388.9	-2,532.8	1,125.5	2,767.0	0.00	0.00	
5,500.0	41.87	164.11	4,463.4	-2,597.0	1,143.8	2,833.5	0.00	0.00	
5,600.0	41.87	164.11	4,537.9	-2,661.2	1,162.1	2,900.0	0.00	0.00	
5,700.0	41.87	164.11	4,612.3	-2,725.3	1,180.4	2,966.5	0.00	0.00	
5,800.0	41.87	164.11	4,686.8	-2,789.5	1,198.6	3,033.0	0.00	0.00	
5,900.0	41.87	164.11	4,761.3	-2,853.7	1,216.9	3,099.6	0.00	0.00	
6,000.0	41.87	164.11	4,835.8	-2,917.9	1,235.2	3,166.1	0.00	0.00	
6,100.0	41.87	164.11	4,910.2	-2,982.1	1,253.5	3,232.6	0.00	0.00	
6,200.0	41.87	164.11	4,984.7	-3,046.3	1,271.8	3,299.1	0.00	0.00	
6,264.9	41.87	164.11	5,033.0	-3,087.9	1,283.6	3,342.2	0.00	0.00	WASATCH_G_TVD
6,300.0	41.87	164.11	5,059.2	-3,110.5	1,290.0	3,365.6	0.00	0.00	
6,400.0	41.87	164.11	5,133.6	-3,174.7	1,308.3	3,432.1	0.00	0.00	
6,500.0	41.87	164.11	5,208.1	-3,238.9	1,326.6	3,498.6	0.00	0.00	
6,600.0	41.87	164.11	5,282.6	-3,303.1	1,344.9	3,565.1	0.00	0.00	
6,700.0	41.87	164.11	5,357.0	-3,367.2	1,363.1	3,631.6	0.00	0.00	
6,800.0	41.87	164.11	5,431.5	-3,431.4	1,381.4	3,698.1	0.00	0.00	
6,900.0	41.87	164.11	5,506.0	-3,495.6	1,399.7	3,764.7	0.00	0.00	
7,000.0	41.87	164.11	5,580.4	-3,559.8	1,418.0	3,831.2	0.00	0.00	
7,100.0	41.87	164.11	5,654.9	-3,624.0	1,436.3	3,897.7	0.00	0.00	
7,200.0	41.87	164.11	5,729.4	-3,688.2	1,454.5	3,964.2	0.00	0.00	
7,204.0	41.87	164.11	5,732.3	-3,690.7	1,455.3	3,966.8	0.00	0.00	Start 3° Drop @ 7204' MD
7,300.0	38.99	164.11	5,805.4	-3,750.6	1,472.3	4,028.9	3.00	-3.00	
7,400.0	35.99	164.11	5,884.8	-3,809.1	1,489.0	4,089.5	3.00	-3.00	
7,500.0	32.99	164.11	5,967.2	-3,863.6	1,504.5	4,145.9	3.00	-3.00	
7,600.0	29.99	164.11	6,052.5	-3,913.8	1,518.8	4,198.0	3.00	-3.00	
7,700.0	26.99	164.11	6,140.3	-3,959.7	1,531.8	4,245.5	3.00	-3.00	
7,800.0	23.99	164.11	6,230.6	-4,001.1	1,543.6	4,288.4	3.00	-3.00	
7,900.0	20.99	164.11	6,323.0	-4,037.9	1,554.1	4,326.5	3.00	-3.00	
8,000.0	17.99	164.11	6,417.2	-4,069.9	1,563.2	4,359.7	3.00	-3.00	
8,100.0	14.99	164.11	6,513.1	-4,097.2	1,571.0	4,388.0	3.00	-3.00	
8,200.0	11.99	164.11	6,610.4	-4,119.7	1,577.4	4,411.3	3.00	-3.00	
8,300.0	8.99	164.11	6,708.7	-4,137.2	1,582.4	4,429.4	3.00	-3.00	
8,400.0	5.99	164.11	6,807.8	-4,149.7	1,585.9	4,442.4	3.00	-3.00	
8,500.0	2.99	164.11	6,907.5	-4,157.2	1,588.1	4,450.2	3.00	-3.00	
8,599.6	0.00	0.00	7,007.0	-4,159.7	1,588.8	4,452.8	3.00	-3.00	EOD @ 8599.6' MD - WILLIAMS_FORK_TVD -
8,600.0	0.00	239.61	7,007.4	-4,159.7	1,588.8	4,452.8	0.00	0.00	
8,700.0	0.25	239.61	7,107.4	-4,159.8	1,588.6	4,452.8	0.25	0.25	
8,735.0	0.34	239.61	7,142.4	-4,159.9	1,588.5	4,452.8	0.25	0.25	
8,800.0	0.34	239.61	7,207.4	-4,160.1	1,588.1	4,452.9	0.00	0.00	
8,900.0	0.34	239.61	7,307.4	-4,160.4	1,587.6	4,453.0	0.00	0.00	
9,000.0	0.34	239.61	7,407.4	-4,160.7	1,587.1	4,453.1	0.00	0.00	
9,100.0	0.34	239.61	7,507.4	-4,161.0	1,586.6	4,453.2	0.00	0.00	
9,200.0	0.34	239.61	7,607.4	-4,161.3	1,586.1	4,453.3	0.00	0.00	
9,300.0	0.34	239.61	7,707.4	-4,161.6	1,585.6	4,453.4	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF07C-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:	UWF07C-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	0.34	239.61	7,807.4	-4,161.9	1,585.1	4,453.5	0.00	0.00	
9,500.0	0.34	239.61	7,907.4	-4,162.2	1,584.6	4,453.6	0.00	0.00	
9,600.0	0.34	239.61	8,007.4	-4,162.5	1,584.0	4,453.7	0.00	0.00	
9,700.0	0.34	239.61	8,107.4	-4,162.8	1,583.5	4,453.8	0.00	0.00	
9,800.0	0.34	239.61	8,207.4	-4,163.1	1,583.0	4,453.9	0.00	0.00	
9,900.0	0.34	239.61	8,307.4	-4,163.4	1,582.5	4,454.0	0.00	0.00	
10,000.0	0.34	239.61	8,407.4	-4,163.7	1,582.0	4,454.1	0.00	0.00	
10,100.0	0.34	239.61	8,507.4	-4,164.0	1,581.5	4,454.2	0.00	0.00	
10,200.0	0.34	239.61	8,607.4	-4,164.3	1,581.0	4,454.3	0.00	0.00	
10,300.0	0.34	239.61	8,707.4	-4,164.6	1,580.5	4,454.4	0.00	0.00	
10,400.0	0.34	239.61	8,807.4	-4,164.9	1,580.0	4,454.5	0.00	0.00	
10,500.0	0.34	239.61	8,907.4	-4,165.2	1,579.5	4,454.6	0.00	0.00	
10,600.0	0.34	239.61	9,007.4	-4,165.5	1,578.9	4,454.7	0.00	0.00	
10,700.0	0.34	239.61	9,107.4	-4,165.8	1,578.4	4,454.8	0.00	0.00	
10,800.0	0.34	239.61	9,207.4	-4,166.1	1,577.9	4,454.9	0.00	0.00	
10,900.0	0.34	239.61	9,307.4	-4,166.4	1,577.4	4,455.0	0.00	0.00	
11,000.0	0.34	239.61	9,407.4	-4,166.7	1,576.9	4,455.1	0.00	0.00	
11,100.0	0.34	239.61	9,507.4	-4,167.0	1,576.4	4,455.2	0.00	0.00	
11,200.0	0.34	239.61	9,607.4	-4,167.3	1,575.9	4,455.3	0.00	0.00	
11,300.0	0.34	239.61	9,707.4	-4,167.6	1,575.4	4,455.4	0.00	0.00	
11,400.0	0.34	239.61	9,807.4	-4,167.9	1,574.9	4,455.5	0.00	0.00	
11,500.0	0.34	239.61	9,907.4	-4,168.2	1,574.4	4,455.6	0.00	0.00	
11,600.0	0.34	239.61	10,007.4	-4,168.5	1,573.8	4,455.7	0.00	0.00	
11,700.0	0.34	239.61	10,107.4	-4,168.8	1,573.3	4,455.8	0.00	0.00	
11,800.0	0.34	239.61	10,207.4	-4,169.1	1,572.8	4,455.9	0.00	0.00	
11,900.0	0.34	239.61	10,307.4	-4,169.4	1,572.3	4,456.0	0.00	0.00	
12,000.0	0.34	239.61	10,407.4	-4,169.7	1,571.8	4,456.1	0.00	0.00	
12,000.6	0.34	239.61	10,408.0	-4,169.7	1,571.8	4,456.1	0.00	0.00	UWF07C-09 K04 BHL
12,100.0	0.34	239.61	10,507.4	-4,170.0	1,571.3	4,456.2	0.00	0.00	
12,134.6	0.34	239.61	10,542.0	-4,170.1	1,571.1	4,456.2	0.00	0.00	ROLLINS_TVD
12,200.0	0.34	239.61	10,607.4	-4,170.3	1,570.8	4,456.3	0.00	0.00	
12,300.0	0.34	239.61	10,707.4	-4,170.6	1,570.3	4,456.4	0.00	0.00	
12,400.0	0.34	239.61	10,807.4	-4,170.9	1,569.8	4,456.5	0.00	0.00	
12,444.6	0.34	239.61	10,852.0	-4,171.0	1,569.5	4,456.5	0.00	0.00	COZZETTE_TVD
12,500.0	0.34	239.61	10,907.4	-4,171.2	1,569.3	4,456.6	0.00	0.00	
12,600.0	0.34	239.61	11,007.4	-4,171.5	1,568.7	4,456.7	0.00	0.00	
12,620.6	0.34	239.61	11,028.0	-4,171.5	1,568.6	4,456.7	0.00	0.00	CORCORAN_TVD
12,700.0	0.34	239.61	11,107.4	-4,171.8	1,568.2	4,456.8	0.00	0.00	
12,800.0	0.34	239.61	11,207.4	-4,172.1	1,567.7	4,456.9	0.00	0.00	
12,900.0	0.34	239.61	11,307.4	-4,172.4	1,567.2	4,457.0	0.00	0.00	
12,905.6	0.34	239.61	11,313.0	-4,172.4	1,567.2	4,457.0	0.00	0.00	UPPER_SEGO_TVD
13,000.0	0.34	239.61	11,407.4	-4,172.7	1,566.7	4,457.1	0.00	0.00	TD @ 13,000' MD

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF07C-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:	UWF07C-09 K04	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
UWF07C-09 K04 TGT	0.00	0.00	7,007.0	-4,159.7	1,588.8	1,665,975.07	2,248,260.61	39° 37' 53.64 N	108° 10' 9.80 W
- plan hits target center									
- Point									
UWF07C-09 K04 BHL	0.00	0.00	10,408.0	-4,169.7	1,571.8	1,665,965.61	2,248,243.33	39° 37' 53.54 N	108° 10' 10.02 W
- plan hits target center									
- Rectangle (sides W30.0 H50.0 D0.0)									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
966.4	953.0	A_GROOVE_TVD				
1,149.8	1,122.0	B_GROOVE_TVD				
1,194.3	1,162.0	B_GROOVE_BASE_TVD				
2,095.3	1,923.0	GARDEN_GULCH_TVD				
3,508.0	2,980.0	WASATCH_FM_TVD				
6,264.9	5,033.0	WASATCH_G_TVD				
8,599.6	7,007.0	WILLIAMS_FORK_TVD				
12,134.6	10,542.0	ROLLINS_TVD				
12,444.6	10,852.0	COZZETTE_TVD				
12,620.6	11,028.0	CORCORAN_TVD				
12,905.6	11,313.0	UPPER_SEGO_TVD				

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
300.0	300.0	0.0	0.0	KOP @ 300' MD
1,300.0	1,254.9	-108.1	231.9	Start 3° Build/Turn @ 1300' MD
2,310.0	2,087.9	-549.4	560.8	EOB @ 2310' MD; Inc=41.87°
7,204.0	5,732.3	-3,690.7	1,455.3	Start 3° Drop @ 7204' MD
8,599.6	7,007.0	-4,159.7	1,588.8	EOD @ 8599.6' MD
13,000.0	11,407.4	-4,172.7	1,566.7	TD @ 13,000' MD