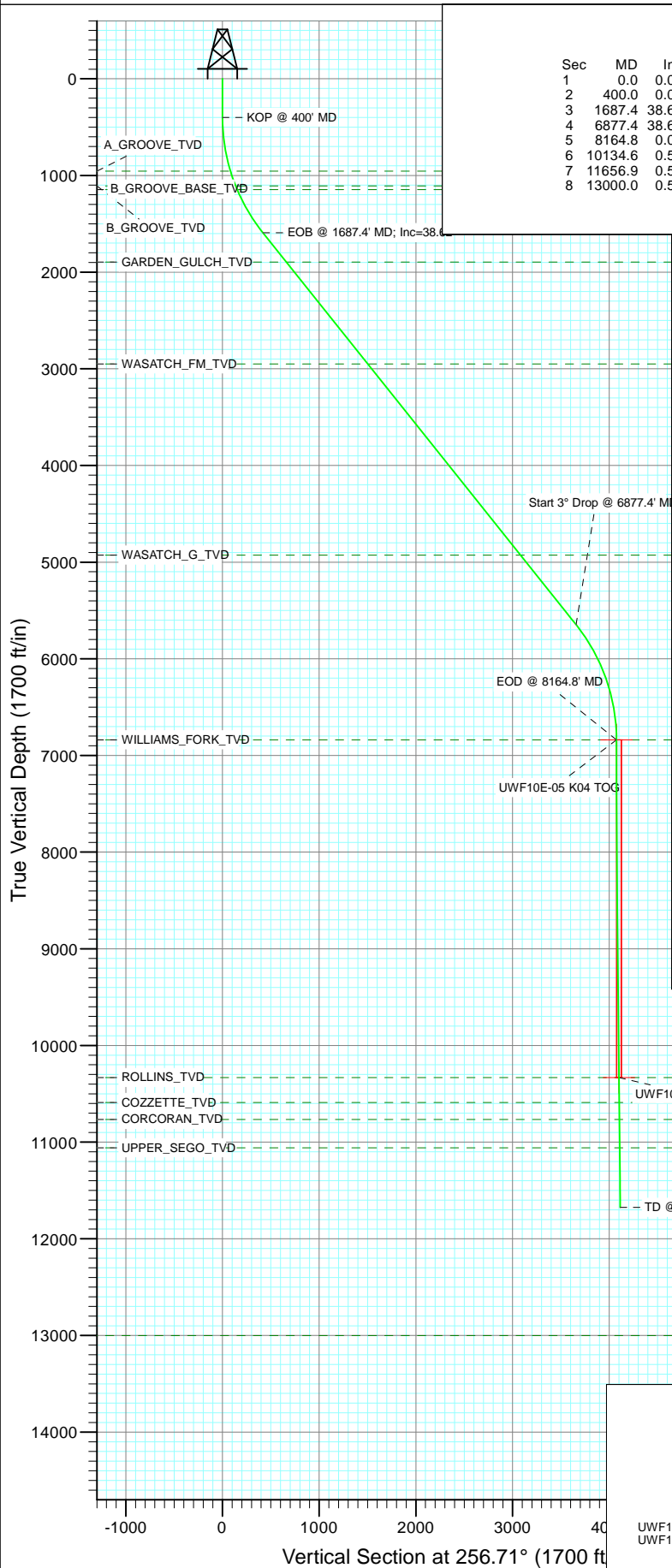


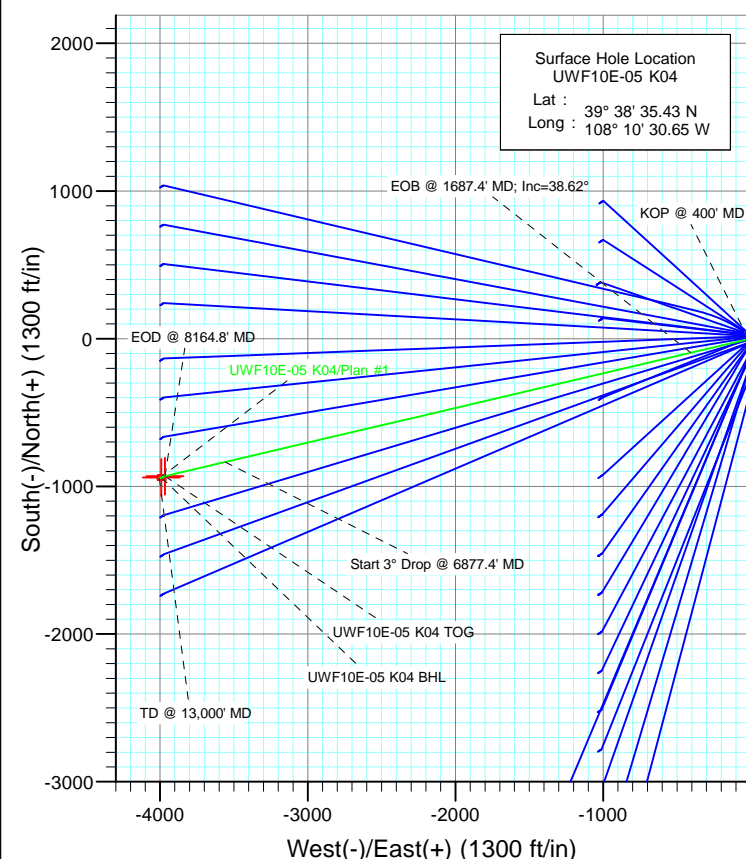


Project: North Piceance
Site: K04 Pad
Well: UWF10E-05 K04
Wellbore: DD
Design: Plan #1



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	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	
3	1687.4	38.62	256.80	1592.1	-95.4	-406.7	3.00	256.80	417.7	
4	6877.4	38.62	256.80	5646.9	-835.3	-3560.5	0.00	0.00	3657.2	
5	8164.8	0.00	0.00	6839.0	-930.7	-3967.2	3.00	180.00	4074.9	UWF10E-05 K04 TOG
6	10134.6	0.59	247.43	8808.8	-934.6	-3976.6	0.03	247.43	4085.0	
7	11656.9	0.59	247.43	10331.0	-940.7	-3991.2	0.00	0.00	4100.6	UWF10E-05 K04 BHL
8	13000.0	0.59	247.43	11674.1	-946.0	-4004.1	0.00	0.00	4114.3	



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
955.0	963.1	A_GROOVE_TVD
1107.0	1124.2	B_GROOVE_TVD
1147.0	1167.4	B_GROOVE_BASE_TVD
1896.0	2076.4	GARDEN_GULCH_TVD
2950.0	3425.4	WASATCH_FM_TVD
4928.0	5957.2	WASATCH_G_TVD
6839.0	8164.8	WILLIAMS_FORK_TVD
10331.0	11656.9	ROLLINS_TVD
10590.0	11915.9	COZZETTE_TVD
10765.0	12090.9	CORCORAN_TVD
11060.0	12385.9	UPPER_SEGO_TVD

Plan #1
UWF10E-05 K04
WELL @ 8226.0ft (Original Well Elev)
North American Datum 1983
Well UWF10E-05 K04, True North

Type	Target	Azimuth	Origin	N/S	E/W	From
TD	No Target (Freehand)	256.71	Type Slot	0.0	0.0	TVD
Name						
UWF10E-05 K04 TOG		6839.0	+N/-S		Latitude	Longitude
UWF10E-05 K04 BHL		10331.0	-930.7	-3967.2	39° 38' 26.23 N	108° 11' 21.36 W
			-940.7	-3991.2	39° 38' 26.13 N	108° 11' 21.67 W

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF10E-05 K04
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8226.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8226.0ft (Original Well Elev)
Site:	K04 Pad	North Reference:	True
Well:	UWF10E-05 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	UWF10E-05 K04					
Well Position	+N/-S	0.0 ft	Northing:	1,670,249.76 ft	Latitude:	39° 38' 35.43 N
	+E/-W	0.0 ft	Easting:	2,246,754.77 ft	Longitude:	108° 10' 30.65 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) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	256.71	

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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,687.4	38.62	256.80	1,592.1	-95.4	-406.7	3.00	3.00	0.00	256.80	
6,877.4	38.62	256.80	5,646.9	-835.3	-3,560.5	0.00	0.00	0.00	0.00	
8,164.8	0.00	0.00	6,839.0	-930.7	-3,967.2	3.00	-3.00	0.00	180.00	UWF10E-05 K04 TOC
10,134.6	0.59	247.43	8,808.8	-934.6	-3,976.6	0.03	0.03	-5.71	247.43	
11,656.9	0.59	247.43	10,331.0	-940.7	-3,991.2	0.00	0.00	0.00	0.00	UWF10E-05 K04 BHL
13,000.0	0.59	247.43	11,674.1	-946.0	-4,004.1	0.00	0.00	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF10E-05 K04
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8226.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8226.0ft (Original Well Elev)
Site:	K04 Pad	North Reference:	True
Well:	UWF10E-05 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	KOP @ 400' MD
500.0	3.00	256.80	500.0	-0.6	-2.5	2.6	3.00	3.00	
600.0	6.00	256.80	599.6	-2.4	-10.2	10.5	3.00	3.00	
700.0	9.00	256.80	698.8	-5.4	-22.9	23.5	3.00	3.00	
800.0	12.00	256.80	797.1	-9.5	-40.6	41.7	3.00	3.00	
900.0	15.00	256.80	894.3	-14.9	-63.4	65.1	3.00	3.00	
963.1	16.89	256.80	955.0	-18.8	-80.2	82.4	3.00	3.00	A_GROOVE_TVD
1,000.0	18.00	256.80	990.2	-21.3	-91.0	93.5	3.00	3.00	
1,100.0	21.00	256.80	1,084.4	-29.0	-123.5	126.9	3.00	3.00	
1,124.2	21.73	256.80	1,107.0	-31.0	-132.1	135.7	3.00	3.00	B_GROOVE_TVD
1,167.5	23.02	256.80	1,147.0	-34.7	-148.1	152.1	3.00	3.00	B_GROOVE_BASE_TVD
1,200.0	24.00	256.80	1,176.8	-37.7	-160.8	165.1	3.00	3.00	
1,300.0	27.00	256.80	1,267.1	-47.5	-202.7	208.2	3.00	3.00	
1,400.0	30.00	256.80	1,354.9	-58.4	-249.1	255.9	3.00	3.00	
1,500.0	33.00	256.80	1,440.2	-70.4	-300.0	308.1	3.00	3.00	
1,600.0	36.00	256.80	1,522.6	-83.3	-355.1	364.8	3.00	3.00	
1,687.4	38.62	256.80	1,592.1	-95.4	-406.7	417.7	3.00	3.00	EOB @ 1687.4' MD; Inc=38.62°
1,700.0	38.62	256.80	1,601.9	-97.2	-414.3	425.6	0.00	0.00	
1,800.0	38.62	256.80	1,680.1	-111.5	-475.1	488.0	0.00	0.00	
1,900.0	38.62	256.80	1,758.2	-125.7	-535.9	550.4	0.00	0.00	
2,000.0	38.62	256.80	1,836.3	-140.0	-596.6	612.8	0.00	0.00	
2,076.4	38.62	256.80	1,896.0	-150.9	-643.1	660.5	0.00	0.00	GARDEN_GULCH_TVD
2,100.0	38.62	256.80	1,914.5	-154.2	-657.4	675.3	0.00	0.00	
2,200.0	38.62	256.80	1,992.6	-168.5	-718.2	737.7	0.00	0.00	
2,300.0	38.62	256.80	2,070.7	-182.7	-778.9	800.1	0.00	0.00	
2,400.0	38.62	256.80	2,148.8	-197.0	-839.7	862.5	0.00	0.00	
2,500.0	38.62	256.80	2,227.0	-211.3	-900.5	924.9	0.00	0.00	
2,600.0	38.62	256.80	2,305.1	-225.5	-961.3	987.3	0.00	0.00	
2,700.0	38.62	256.80	2,383.2	-239.8	-1,022.0	1,049.8	0.00	0.00	
2,800.0	38.62	256.80	2,461.3	-254.0	-1,082.8	1,112.2	0.00	0.00	
2,900.0	38.62	256.80	2,539.5	-268.3	-1,143.6	1,174.6	0.00	0.00	
3,000.0	38.62	256.80	2,617.6	-282.5	-1,204.3	1,237.0	0.00	0.00	
3,100.0	38.62	256.80	2,695.7	-296.8	-1,265.1	1,299.4	0.00	0.00	
3,200.0	38.62	256.80	2,773.9	-311.0	-1,325.9	1,361.9	0.00	0.00	
3,300.0	38.62	256.80	2,852.0	-325.3	-1,386.6	1,424.3	0.00	0.00	
3,400.0	38.62	256.80	2,930.1	-339.6	-1,447.4	1,486.7	0.00	0.00	
3,425.4	38.62	256.80	2,950.0	-343.2	-1,462.9	1,502.6	0.00	0.00	WASATCH_FM_TVD
3,500.0	38.62	256.80	3,008.2	-353.8	-1,508.2	1,549.1	0.00	0.00	
3,600.0	38.62	256.80	3,086.4	-368.1	-1,568.9	1,611.5	0.00	0.00	
3,700.0	38.62	256.80	3,164.5	-382.3	-1,629.7	1,673.9	0.00	0.00	
3,800.0	38.62	256.80	3,242.6	-396.6	-1,690.5	1,736.4	0.00	0.00	
3,900.0	38.62	256.80	3,320.8	-410.8	-1,751.2	1,798.8	0.00	0.00	
4,000.0	38.62	256.80	3,398.9	-425.1	-1,812.0	1,861.2	0.00	0.00	
4,100.0	38.62	256.80	3,477.0	-439.4	-1,872.8	1,923.6	0.00	0.00	
4,200.0	38.62	256.80	3,555.1	-453.6	-1,933.5	1,986.0	0.00	0.00	
4,300.0	38.62	256.80	3,633.3	-467.9	-1,994.3	2,048.5	0.00	0.00	
4,400.0	38.62	256.80	3,711.4	-482.1	-2,055.1	2,110.9	0.00	0.00	
4,500.0	38.62	256.80	3,789.5	-496.4	-2,115.8	2,173.3	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF10E-05 K04
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8226.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8226.0ft (Original Well Elev)
Site:	K04 Pad	North Reference:	True
Well:	UWF10E-05 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	38.62	256.80	3,867.7	-510.6	-2,176.6	2,235.7	0.00	0.00	
4,700.0	38.62	256.80	3,945.8	-524.9	-2,237.4	2,298.1	0.00	0.00	
4,800.0	38.62	256.80	4,023.9	-539.1	-2,298.2	2,360.5	0.00	0.00	
4,900.0	38.62	256.80	4,102.0	-553.4	-2,358.9	2,423.0	0.00	0.00	
5,000.0	38.62	256.80	4,180.2	-567.7	-2,419.7	2,485.4	0.00	0.00	
5,100.0	38.62	256.80	4,258.3	-581.9	-2,480.5	2,547.8	0.00	0.00	
5,200.0	38.62	256.80	4,336.4	-596.2	-2,541.2	2,610.2	0.00	0.00	
5,300.0	38.62	256.80	4,414.6	-610.4	-2,602.0	2,672.6	0.00	0.00	
5,400.0	38.62	256.80	4,492.7	-624.7	-2,662.8	2,735.0	0.00	0.00	
5,500.0	38.62	256.80	4,570.8	-638.9	-2,723.5	2,797.5	0.00	0.00	
5,600.0	38.62	256.80	4,648.9	-653.2	-2,784.3	2,859.9	0.00	0.00	
5,700.0	38.62	256.80	4,727.1	-667.4	-2,845.1	2,922.3	0.00	0.00	
5,800.0	38.62	256.80	4,805.2	-681.7	-2,905.8	2,984.7	0.00	0.00	
5,900.0	38.62	256.80	4,883.3	-696.0	-2,966.6	3,047.1	0.00	0.00	
5,957.2	38.62	256.80	4,928.0	-704.1	-3,001.4	3,082.8	0.00	0.00	WASATCH_G_TVD
6,000.0	38.62	256.80	4,961.4	-710.2	-3,027.4	3,109.6	0.00	0.00	
6,100.0	38.62	256.80	5,039.6	-724.5	-3,088.1	3,172.0	0.00	0.00	
6,200.0	38.62	256.80	5,117.7	-738.7	-3,148.9	3,234.4	0.00	0.00	
6,300.0	38.62	256.80	5,195.8	-753.0	-3,209.7	3,296.8	0.00	0.00	
6,400.0	38.62	256.80	5,274.0	-767.2	-3,270.4	3,359.2	0.00	0.00	
6,500.0	38.62	256.80	5,352.1	-781.5	-3,331.2	3,421.6	0.00	0.00	
6,600.0	38.62	256.80	5,430.2	-795.8	-3,392.0	3,484.1	0.00	0.00	
6,700.0	38.62	256.80	5,508.3	-810.0	-3,452.7	3,546.5	0.00	0.00	
6,800.0	38.62	256.80	5,586.5	-824.3	-3,513.5	3,608.9	0.00	0.00	
6,877.4	38.62	256.80	5,646.9	-835.3	-3,560.5	3,657.2	0.00	0.00	Start 3° Drop @ 6877.4' MD
6,900.0	37.94	256.80	5,664.7	-838.5	-3,574.2	3,671.2	3.00	-3.00	
7,000.0	34.94	256.80	5,745.1	-852.1	-3,632.0	3,730.6	3.00	-3.00	
7,100.0	31.94	256.80	5,828.6	-864.6	-3,685.7	3,785.7	3.00	-3.00	
7,200.0	28.94	256.80	5,914.8	-876.2	-3,735.0	3,836.4	3.00	-3.00	
7,300.0	25.94	256.80	6,003.5	-886.7	-3,779.8	3,882.5	3.00	-3.00	
7,400.0	22.94	256.80	6,094.5	-896.2	-3,820.1	3,923.8	3.00	-3.00	
7,500.0	19.94	256.80	6,187.6	-904.5	-3,855.7	3,960.4	3.00	-3.00	
7,600.0	16.94	256.80	6,282.4	-911.8	-3,886.5	3,992.0	3.00	-3.00	
7,700.0	13.94	256.80	6,378.8	-917.8	-3,912.4	4,018.6	3.00	-3.00	
7,800.0	10.94	256.80	6,476.5	-922.8	-3,933.4	4,040.2	3.00	-3.00	
7,900.0	7.94	256.80	6,575.1	-926.5	-3,949.4	4,056.6	3.00	-3.00	
8,000.0	4.94	256.80	6,674.5	-929.1	-3,960.3	4,067.8	3.00	-3.00	
8,100.0	1.94	256.80	6,774.3	-930.4	-3,966.1	4,073.8	3.00	-3.00	
8,164.8	0.00	0.00	6,839.0	-930.7	-3,967.2	4,074.9	3.00	-3.00	EOD @ 8164.8' MD - WILLIAMS_FORK_TVD -
8,200.0	0.01	247.43	6,874.2	-930.7	-3,967.2	4,074.9	0.03	0.03	
8,300.0	0.04	247.43	6,974.2	-930.7	-3,967.2	4,075.0	0.03	0.03	
8,400.0	0.07	247.43	7,074.2	-930.8	-3,967.3	4,075.0	0.03	0.03	
8,500.0	0.10	247.43	7,174.2	-930.8	-3,967.5	4,075.2	0.03	0.03	
8,600.0	0.13	247.43	7,274.2	-930.9	-3,967.7	4,075.4	0.03	0.03	
8,700.0	0.16	247.43	7,374.2	-931.0	-3,967.9	4,075.6	0.03	0.03	
8,800.0	0.19	247.43	7,474.2	-931.1	-3,968.2	4,076.0	0.03	0.03	
8,900.0	0.22	247.43	7,574.2	-931.2	-3,968.5	4,076.3	0.03	0.03	
9,000.0	0.25	247.43	7,674.2	-931.4	-3,968.9	4,076.7	0.03	0.03	
9,100.0	0.28	247.43	7,774.2	-931.6	-3,969.3	4,077.2	0.03	0.03	
9,200.0	0.31	247.43	7,874.2	-931.8	-3,969.8	4,077.7	0.03	0.03	
9,300.0	0.34	247.43	7,974.2	-932.0	-3,970.3	4,078.3	0.03	0.03	
9,400.0	0.37	247.43	8,074.2	-932.2	-3,970.9	4,078.9	0.03	0.03	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF10E-05 K04
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8226.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8226.0ft (Original Well Elev)
Site:	K04 Pad	North Reference:	True
Well:	UWF10E-05 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
9,500.0	0.40	247.43	8,174.2	-932.5	-3,971.5	4,079.5	0.03	0.03	
9,600.0	0.43	247.43	8,274.2	-932.8	-3,972.2	4,080.3	0.03	0.03	
9,700.0	0.46	247.43	8,374.2	-933.1	-3,972.9	4,081.0	0.03	0.03	
9,800.0	0.49	247.43	8,474.2	-933.4	-3,973.7	4,081.8	0.03	0.03	
9,900.0	0.52	247.43	8,574.2	-933.7	-3,974.5	4,082.7	0.03	0.03	
10,000.0	0.55	247.43	8,674.2	-934.1	-3,975.4	4,083.6	0.03	0.03	
10,100.0	0.58	247.43	8,774.2	-934.5	-3,976.3	4,084.6	0.03	0.03	
10,134.6	0.59	247.43	8,808.8	-934.6	-3,976.6	4,085.0	0.03	0.03	
10,200.0	0.59	247.43	8,874.2	-934.9	-3,977.3	4,085.6	0.00	0.00	
10,300.0	0.59	247.43	8,974.2	-935.3	-3,978.2	4,086.7	0.00	0.00	
10,400.0	0.59	247.43	9,074.2	-935.7	-3,979.2	4,087.7	0.00	0.00	
10,500.0	0.59	247.43	9,174.2	-936.1	-3,980.1	4,088.7	0.00	0.00	
10,600.0	0.59	247.43	9,274.2	-936.5	-3,981.1	4,089.7	0.00	0.00	
10,700.0	0.59	247.43	9,374.2	-936.9	-3,982.0	4,090.8	0.00	0.00	
10,800.0	0.59	247.43	9,474.2	-937.3	-3,983.0	4,091.8	0.00	0.00	
10,900.0	0.59	247.43	9,574.2	-937.7	-3,984.0	4,092.8	0.00	0.00	
11,000.0	0.59	247.43	9,674.2	-938.1	-3,984.9	4,093.8	0.00	0.00	
11,100.0	0.59	247.43	9,774.2	-938.5	-3,985.9	4,094.9	0.00	0.00	
11,200.0	0.59	247.43	9,874.2	-938.9	-3,986.8	4,095.9	0.00	0.00	
11,300.0	0.59	247.43	9,974.2	-939.3	-3,987.8	4,096.9	0.00	0.00	
11,400.0	0.59	247.43	10,074.1	-939.7	-3,988.7	4,097.9	0.00	0.00	
11,500.0	0.59	247.43	10,174.1	-940.0	-3,989.7	4,098.9	0.00	0.00	
11,600.0	0.59	247.43	10,274.1	-940.4	-3,990.7	4,100.0	0.00	0.00	
11,656.9	0.59	247.43	10,331.0	-940.7	-3,991.2	4,100.6	0.00	0.00	ROLLINS_TVD - UWF10E-05 K04 BHL
11,700.0	0.59	247.43	10,374.1	-940.8	-3,991.6	4,101.0	0.00	0.00	
11,800.0	0.59	247.43	10,474.1	-941.2	-3,992.6	4,102.0	0.00	0.00	
11,900.0	0.59	247.43	10,574.1	-941.6	-3,993.5	4,103.0	0.00	0.00	
11,915.9	0.59	247.43	10,590.0	-941.7	-3,993.7	4,103.2	0.00	0.00	COZZETTE_TVD
12,000.0	0.59	247.43	10,674.1	-942.0	-3,994.5	4,104.1	0.00	0.00	
12,090.9	0.59	247.43	10,765.0	-942.4	-3,995.4	4,105.0	0.00	0.00	CORCORAN_TVD
12,100.0	0.59	247.43	10,774.1	-942.4	-3,995.4	4,105.1	0.00	0.00	
12,200.0	0.59	247.43	10,874.1	-942.8	-3,996.4	4,106.1	0.00	0.00	
12,300.0	0.59	247.43	10,974.1	-943.2	-3,997.4	4,107.1	0.00	0.00	
12,385.9	0.59	247.43	11,060.0	-943.6	-3,998.2	4,108.0	0.00	0.00	UPPER_SEGO_TVD
12,400.0	0.59	247.43	11,074.1	-943.6	-3,998.3	4,108.2	0.00	0.00	
12,500.0	0.59	247.43	11,174.1	-944.0	-3,999.3	4,109.2	0.00	0.00	
12,600.0	0.59	247.43	11,274.1	-944.4	-4,000.2	4,110.2	0.00	0.00	
12,700.0	0.59	247.43	11,374.1	-944.8	-4,001.2	4,111.2	0.00	0.00	
12,800.0	0.59	247.43	11,474.1	-945.2	-4,002.1	4,112.2	0.00	0.00	
12,900.0	0.59	247.43	11,574.1	-945.6	-4,003.1	4,113.3	0.00	0.00	
13,000.0	0.59	247.43	11,674.1	-946.0	-4,004.1	4,114.3	0.00	0.00	TD @ 13,000' MD

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF10E-05 K04
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8226.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 8226.0ft (Original Well Elev)
Site:	K04 Pad	North Reference:	True
Well:	UWF10E-05 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)		
UWF10E-05 K04 BHL	0.00	0.00	10,331.0	-940.7	-3,991.2	1,669,427.01	2,242,737.61	39° 38' 26.13 N	108° 11' 21.67 W
- plan hits target center									
- Rectangle (sides W30.0 H50.0 D0.0)									
UWF10E-05 K04 TOG	0.00	0.00	6,839.0	-930.7	-3,967.2	1,669,436.27	2,242,761.89	39° 38' 26.23 N	108° 11' 21.36 W
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
963.1	955.0	A_GROOVE_TVD				
1,124.2	1,107.0	B_GROOVE_TVD				
1,167.5	1,147.0	B_GROOVE_BASE_TVD				
2,076.4	1,896.0	GARDEN_GULCH_TVD				
3,425.4	2,950.0	WASATCH_FM_TVD				
5,957.2	4,928.0	WASATCH_G_TVD				
8,164.8	6,839.0	WILLIAMS_FORK_TVD				
11,656.9	10,331.0	ROLLINS_TVD				
11,915.9	10,590.0	COZZETTE_TVD				
12,090.9	10,765.0	CORCORAN_TVD				
12,385.9	11,060.0	UPPER_SEGO_TVD				

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
400.0	400.0	0.0	0.0	KOP @ 400' MD
1,687.4	1,592.1	-95.4	-406.7	EOB @ 1687.4' MD; Inc=38.62°
6,877.4	5,646.9	-835.3	-3,560.5	Start 3° Drop @ 6877.4' MD
8,164.8	6,839.0	-930.7	-3,967.2	EOD @ 8164.8' MD
13,000.0	11,674.1	-946.0	-4,004.1	TD @ 13,000' MD