

Type	Target	Azimuth	Origin Type	N/S	E/W	From TVD
TD	No Target (Freehand)	203.02	Slot	0.0	0.0	0.0
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	
UWF04A-09 K04 TOG	6928.0	-2463.9	-1027.8	39° 38' 10.60 N	108° 10' 43.56 W	
UWF04A-09 K04 BHL	10454.0	-2473.9	-1027.8	39° 38' 10.50 N	108° 10' 43.75 W	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF04A-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>	UWF04A-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		

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	UWF04A-09 K04					
Well Position	+N/-S	0.0 ft	Northing:	1,670,200.68 ft	Latitude:	39° 38' 34.95 N
	+E/-W	0.0 ft	Easting:	2,246,771.33 ft	Longitude:	108° 10' 30.42 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	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 (nT)</b>
	IGRF2010	4/12/2012	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) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	203.02	

<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	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,125.2	24.75	202.64	1,099.7	-162.0	-67.6	3.00	3.00	0.00	202.64	
6,662.5	24.75	202.64	6,128.3	-2,301.9	-960.2	0.00	0.00	0.00	0.00	
7,487.7	0.00	0.00	6,928.0	-2,463.9	-1,027.8	3.00	-3.00	0.00	180.00	UWF04A-09 K04 TOC
9,229.2	0.39	236.45	8,669.5	-2,467.2	-1,032.7	0.02	0.02	-7.09	236.45	
11,013.8	0.39	236.45	10,454.0	-2,473.9	-1,042.8	0.00	0.00	0.00	0.00	UWF04A-09 K04 BHL
13,000.0	0.39	236.45	12,440.2	-2,481.3	-1,054.1	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 UWF04A-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>	UWF04A-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	
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	202.64	400.0	-2.4	-1.0	2.6	3.00	3.00	
500.0	6.00	202.64	499.6	-9.7	-4.0	10.5	3.00	3.00	
600.0	9.00	202.64	598.8	-21.7	-9.1	23.5	3.00	3.00	
700.0	12.00	202.64	697.1	-38.5	-16.1	41.7	3.00	3.00	
800.0	15.00	202.64	794.3	-60.1	-25.1	65.1	3.00	3.00	
900.0	18.00	202.64	890.2	-86.3	-36.0	93.5	3.00	3.00	
966.4	19.99	202.64	953.0	-106.2	-44.3	115.1	3.00	3.00	A_GROOVE_TVD
1,000.0	21.00	202.64	984.4	-117.1	-48.8	126.8	3.00	3.00	
1,100.0	24.00	202.64	1,076.8	-152.4	-63.6	165.1	3.00	3.00	
1,125.2	24.75	202.64	1,099.7	-162.0	-67.6	175.5	3.00	3.00	EOB @ 1125.2' MD; Inc=24.75°
1,137.6	24.75	202.64	1,111.0	-166.8	-69.6	180.7	0.00	0.00	B_GROOVE_TVD
1,181.6	24.75	202.64	1,151.0	-183.8	-76.7	199.1	0.00	0.00	B_GROOVE_BASE_TVD
1,200.0	24.75	202.64	1,167.7	-190.9	-79.6	206.8	0.00	0.00	
1,300.0	24.75	202.64	1,258.5	-229.5	-95.8	248.7	0.00	0.00	
1,400.0	24.75	202.64	1,349.3	-268.2	-111.9	290.6	0.00	0.00	
1,500.0	24.75	202.64	1,440.1	-306.8	-128.0	332.5	0.00	0.00	
1,600.0	24.75	202.64	1,530.9	-345.5	-144.1	374.3	0.00	0.00	
1,700.0	24.75	202.64	1,621.7	-384.1	-160.2	416.2	0.00	0.00	
1,800.0	24.75	202.64	1,712.6	-422.8	-176.4	458.1	0.00	0.00	
1,900.0	24.75	202.64	1,803.4	-461.4	-192.5	499.9	0.00	0.00	
2,000.0	24.75	202.64	1,894.2	-500.1	-208.6	541.8	0.00	0.00	
2,024.0	24.75	202.64	1,916.0	-509.3	-212.5	551.9	0.00	0.00	GARDEN_GULCH_TVD
2,100.0	24.75	202.64	1,985.0	-538.7	-224.7	583.7	0.00	0.00	
2,200.0	24.75	202.64	2,075.8	-577.4	-240.8	625.6	0.00	0.00	
2,300.0	24.75	202.64	2,166.6	-616.0	-257.0	667.4	0.00	0.00	
2,400.0	24.75	202.64	2,257.4	-654.6	-273.1	709.3	0.00	0.00	
2,500.0	24.75	202.64	2,348.2	-693.3	-289.2	751.2	0.00	0.00	
2,600.0	24.75	202.64	2,439.0	-731.9	-305.3	793.0	0.00	0.00	
2,700.0	24.75	202.64	2,529.9	-770.6	-321.4	834.9	0.00	0.00	
2,800.0	24.75	202.64	2,620.7	-809.2	-337.6	876.8	0.00	0.00	
2,900.0	24.75	202.64	2,711.5	-847.9	-353.7	918.7	0.00	0.00	
3,000.0	24.75	202.64	2,802.3	-886.5	-369.8	960.5	0.00	0.00	
3,100.0	24.75	202.64	2,893.1	-925.2	-385.9	1,002.4	0.00	0.00	
3,190.2	24.75	202.64	2,975.0	-960.0	-400.5	1,040.2	0.00	0.00	WASATCH_FM_TVD
3,200.0	24.75	202.64	2,983.9	-963.8	-402.0	1,044.3	0.00	0.00	
3,300.0	24.75	202.64	3,074.7	-1,002.5	-418.2	1,086.2	0.00	0.00	
3,400.0	24.75	202.64	3,165.5	-1,041.1	-434.3	1,128.0	0.00	0.00	
3,500.0	24.75	202.64	3,256.3	-1,079.7	-450.4	1,169.9	0.00	0.00	
3,600.0	24.75	202.64	3,347.2	-1,118.4	-466.5	1,211.8	0.00	0.00	
3,700.0	24.75	202.64	3,438.0	-1,157.0	-482.7	1,253.6	0.00	0.00	
3,800.0	24.75	202.64	3,528.8	-1,195.7	-498.8	1,295.5	0.00	0.00	
3,900.0	24.75	202.64	3,619.6	-1,234.3	-514.9	1,337.4	0.00	0.00	
4,000.0	24.75	202.64	3,710.4	-1,273.0	-531.0	1,379.3	0.00	0.00	
4,100.0	24.75	202.64	3,801.2	-1,311.6	-547.1	1,421.1	0.00	0.00	
4,200.0	24.75	202.64	3,892.0	-1,350.3	-563.3	1,463.0	0.00	0.00	
4,300.0	24.75	202.64	3,982.8	-1,388.9	-579.4	1,504.9	0.00	0.00	
4,400.0	24.75	202.64	4,073.6	-1,427.6	-595.5	1,546.7	0.00	0.00	
4,500.0	24.75	202.64	4,164.5	-1,466.2	-611.6	1,588.6	0.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF04A-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>	UWF04A-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	24.75	202.64	4,255.3	-1,504.8	-627.7	1,630.5	0.00	0.00	
4,700.0	24.75	202.64	4,346.1	-1,543.5	-643.9	1,672.4	0.00	0.00	
4,800.0	24.75	202.64	4,436.9	-1,582.1	-660.0	1,714.2	0.00	0.00	
4,900.0	24.75	202.64	4,527.7	-1,620.8	-676.1	1,756.1	0.00	0.00	
5,000.0	24.75	202.64	4,618.5	-1,659.4	-692.2	1,798.0	0.00	0.00	
5,100.0	24.75	202.64	4,709.3	-1,698.1	-708.3	1,839.9	0.00	0.00	
5,200.0	24.75	202.64	4,800.1	-1,736.7	-724.5	1,881.7	0.00	0.00	
5,300.0	24.75	202.64	4,890.9	-1,775.4	-740.6	1,923.6	0.00	0.00	
5,400.0	24.75	202.64	4,981.8	-1,814.0	-756.7	1,965.5	0.00	0.00	
5,404.7	24.75	202.64	4,986.0	-1,815.8	-757.5	1,967.4	0.00	0.00	WASATCH_G_TVD
5,500.0	24.75	202.64	5,072.6	-1,852.7	-772.8	2,007.3	0.00	0.00	
5,600.0	24.75	202.64	5,163.4	-1,891.3	-788.9	2,049.2	0.00	0.00	
5,700.0	24.75	202.64	5,254.2	-1,929.9	-805.1	2,091.1	0.00	0.00	
5,800.0	24.75	202.64	5,345.0	-1,968.6	-821.2	2,133.0	0.00	0.00	
5,900.0	24.75	202.64	5,435.8	-2,007.2	-837.3	2,174.8	0.00	0.00	
6,000.0	24.75	202.64	5,526.6	-2,045.9	-853.4	2,216.7	0.00	0.00	
6,100.0	24.75	202.64	5,617.4	-2,084.5	-869.5	2,258.6	0.00	0.00	
6,200.0	24.75	202.64	5,708.2	-2,123.2	-885.7	2,300.4	0.00	0.00	
6,300.0	24.75	202.64	5,799.1	-2,161.8	-901.8	2,342.3	0.00	0.00	
6,400.0	24.75	202.64	5,889.9	-2,200.5	-917.9	2,384.2	0.00	0.00	
6,500.0	24.75	202.64	5,980.7	-2,239.1	-934.0	2,426.1	0.00	0.00	
6,600.0	24.75	202.64	6,071.5	-2,277.8	-950.2	2,467.9	0.00	0.00	
6,662.5	24.75	202.64	6,128.3	-2,301.9	-960.2	2,494.1	0.00	0.00	Start 3° Drop @ 6662.5' MD
6,700.0	23.63	202.64	6,162.4	-2,316.1	-966.1	2,509.5	3.00	-3.00	
6,800.0	20.63	202.64	6,255.1	-2,350.9	-980.6	2,547.1	3.00	-3.00	
6,900.0	17.63	202.64	6,349.5	-2,381.1	-993.3	2,579.9	3.00	-3.00	
7,000.0	14.63	202.64	6,445.6	-2,406.7	-1,004.0	2,607.7	3.00	-3.00	
7,100.0	11.63	202.64	6,543.0	-2,427.7	-1,012.7	2,630.4	3.00	-3.00	
7,200.0	8.63	202.64	6,641.4	-2,443.9	-1,019.5	2,648.0	3.00	-3.00	
7,300.0	5.63	202.64	6,740.6	-2,455.4	-1,024.3	2,660.4	3.00	-3.00	
7,400.0	2.63	202.64	6,840.3	-2,462.0	-1,027.0	2,667.6	3.00	-3.00	
7,487.7	0.00	0.00	6,928.0	-2,463.9	-1,027.8	2,669.6	3.00	-3.00	EOD @ 7487.7' MD - WILLIAMS_FORK_TVD -
7,500.0	0.00	236.45	6,940.3	-2,463.9	-1,027.8	2,669.6	0.02	0.02	
7,600.0	0.03	236.45	7,040.3	-2,463.9	-1,027.8	2,669.6	0.02	0.02	
7,700.0	0.05	236.45	7,140.3	-2,463.9	-1,027.9	2,669.7	0.02	0.02	
7,800.0	0.07	236.45	7,240.3	-2,464.0	-1,028.0	2,669.8	0.02	0.02	
7,900.0	0.09	236.45	7,340.3	-2,464.1	-1,028.1	2,669.9	0.02	0.02	
8,000.0	0.11	236.45	7,440.3	-2,464.2	-1,028.2	2,670.0	0.02	0.02	
8,100.0	0.14	236.45	7,540.3	-2,464.3	-1,028.4	2,670.2	0.02	0.02	
8,200.0	0.16	236.45	7,640.3	-2,464.4	-1,028.6	2,670.4	0.02	0.02	
8,300.0	0.18	236.45	7,740.3	-2,464.6	-1,028.9	2,670.7	0.02	0.02	
8,400.0	0.20	236.45	7,840.3	-2,464.8	-1,029.2	2,671.0	0.02	0.02	
8,500.0	0.23	236.45	7,940.3	-2,465.0	-1,029.5	2,671.3	0.02	0.02	
8,600.0	0.25	236.45	8,040.3	-2,465.2	-1,029.8	2,671.6	0.02	0.02	
8,700.0	0.27	236.45	8,140.3	-2,465.5	-1,030.2	2,672.0	0.02	0.02	
8,800.0	0.29	236.45	8,240.3	-2,465.8	-1,030.6	2,672.4	0.02	0.02	
8,900.0	0.32	236.45	8,340.3	-2,466.1	-1,031.0	2,672.9	0.02	0.02	
9,000.0	0.34	236.45	8,440.3	-2,466.4	-1,031.5	2,673.3	0.02	0.02	
9,100.0	0.36	236.45	8,540.3	-2,466.7	-1,032.0	2,673.9	0.02	0.02	
9,200.0	0.38	236.45	8,640.3	-2,467.1	-1,032.6	2,674.4	0.02	0.02	
9,229.2	0.39	236.45	8,669.5	-2,467.2	-1,032.7	2,674.6	0.02	0.02	
9,300.0	0.39	236.45	8,740.3	-2,467.4	-1,033.1	2,675.0	0.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF04A-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>	UWF04A-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	0.39	236.45	8,840.3	-2,467.8	-1,033.7	2,675.5	0.00	0.00	
9,500.0	0.39	236.45	8,940.3	-2,468.2	-1,034.3	2,676.1	0.00	0.00	
9,600.0	0.39	236.45	9,040.3	-2,468.6	-1,034.8	2,676.7	0.00	0.00	
9,700.0	0.39	236.45	9,140.3	-2,468.9	-1,035.4	2,677.2	0.00	0.00	
9,800.0	0.39	236.45	9,240.3	-2,469.3	-1,036.0	2,677.8	0.00	0.00	
9,900.0	0.39	236.45	9,340.3	-2,469.7	-1,036.5	2,678.4	0.00	0.00	
10,000.0	0.39	236.45	9,440.3	-2,470.1	-1,037.1	2,678.9	0.00	0.00	
10,100.0	0.39	236.45	9,540.3	-2,470.4	-1,037.7	2,679.5	0.00	0.00	
10,200.0	0.39	236.45	9,640.3	-2,470.8	-1,038.2	2,680.1	0.00	0.00	
10,300.0	0.39	236.45	9,740.3	-2,471.2	-1,038.8	2,680.6	0.00	0.00	
10,400.0	0.39	236.45	9,840.3	-2,471.6	-1,039.4	2,681.2	0.00	0.00	
10,500.0	0.39	236.45	9,940.3	-2,471.9	-1,039.9	2,681.8	0.00	0.00	
10,600.0	0.39	236.45	10,040.3	-2,472.3	-1,040.5	2,682.3	0.00	0.00	
10,700.0	0.39	236.45	10,140.3	-2,472.7	-1,041.1	2,682.9	0.00	0.00	
10,800.0	0.39	236.45	10,240.3	-2,473.1	-1,041.6	2,683.5	0.00	0.00	
10,900.0	0.39	236.45	10,340.3	-2,473.4	-1,042.2	2,684.0	0.00	0.00	
11,000.0	0.39	236.45	10,440.2	-2,473.8	-1,042.8	2,684.6	0.00	0.00	
11,013.8	0.39	236.45	10,454.0	-2,473.9	-1,042.8	2,684.7	0.00	0.00	ROLLINS_TVD - UWF04A-09 K04 BHL
11,100.0	0.39	236.45	10,540.2	-2,474.2	-1,043.3	2,685.2	0.00	0.00	
11,200.0	0.39	236.45	10,640.2	-2,474.6	-1,043.9	2,685.7	0.00	0.00	
11,297.8	0.39	236.45	10,738.0	-2,474.9	-1,044.5	2,686.3	0.00	0.00	COZZETTE_TVD
11,300.0	0.39	236.45	10,740.2	-2,475.0	-1,044.5	2,686.3	0.00	0.00	
11,400.0	0.39	236.45	10,840.2	-2,475.3	-1,045.0	2,686.9	0.00	0.00	
11,470.8	0.39	236.45	10,911.0	-2,475.6	-1,045.4	2,687.3	0.00	0.00	CORCORAN_TVD
11,500.0	0.39	236.45	10,940.2	-2,475.7	-1,045.6	2,687.4	0.00	0.00	
11,600.0	0.39	236.45	11,040.2	-2,476.1	-1,046.2	2,688.0	0.00	0.00	
11,700.0	0.39	236.45	11,140.2	-2,476.5	-1,046.7	2,688.6	0.00	0.00	
11,762.8	0.39	236.45	11,203.0	-2,476.7	-1,047.1	2,688.9	0.00	0.00	UPPER_SEGO_TVD
11,800.0	0.39	236.45	11,240.2	-2,476.8	-1,047.3	2,689.1	0.00	0.00	
11,900.0	0.39	236.45	11,340.2	-2,477.2	-1,047.9	2,689.7	0.00	0.00	
12,000.0	0.39	236.45	11,440.2	-2,477.6	-1,048.4	2,690.3	0.00	0.00	
12,100.0	0.39	236.45	11,540.2	-2,478.0	-1,049.0	2,690.8	0.00	0.00	
12,200.0	0.39	236.45	11,640.2	-2,478.3	-1,049.6	2,691.4	0.00	0.00	
12,300.0	0.39	236.45	11,740.2	-2,478.7	-1,050.1	2,692.0	0.00	0.00	
12,400.0	0.39	236.45	11,840.2	-2,479.1	-1,050.7	2,692.6	0.00	0.00	
12,500.0	0.39	236.45	11,940.2	-2,479.5	-1,051.3	2,693.1	0.00	0.00	
12,600.0	0.39	236.45	12,040.2	-2,479.8	-1,051.8	2,693.7	0.00	0.00	
12,700.0	0.39	236.45	12,140.2	-2,480.2	-1,052.4	2,694.3	0.00	0.00	
12,800.0	0.39	236.45	12,240.2	-2,480.6	-1,053.0	2,694.8	0.00	0.00	
12,900.0	0.39	236.45	12,340.2	-2,481.0	-1,053.5	2,695.4	0.00	0.00	
13,000.0	0.39	236.45	12,440.2	-2,481.3	-1,054.1	2,696.0	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 UWF04A-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>	UWF04A-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									
UWF04A-09 K04 TOG	0.00	358.31	6,928.0	-2,463.9	-1,027.8	1,667,768.11	2,245,671.43	39° 38' 10.60 N	108° 10' 43.56 W
- plan hits target center									
- Point									
UWF04A-09 K04 BHL	0.00	358.31	10,454.0	-2,473.9	-1,042.8	1,667,758.58	2,245,656.10	39° 38' 10.50 N	108° 10' 43.75 W
- plan hits target center									
- Rectangle (sides W50.0 H30.0 D0.0)									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
966.4	953.0	A_GROOVE_TVD				
1,137.6	1,111.0	B_GROOVE_TVD				
1,181.6	1,151.0	B_GROOVE_BASE_TVD				
2,024.0	1,916.0	GARDEN_GULCH_TVD				
3,190.2	2,975.0	WASATCH_FM_TVD				
5,404.7	4,986.0	WASATCH_G_TVD				
7,487.7	6,928.0	WILLIAMS_FORK_TVD				
11,013.8	10,454.0	ROLLINS_TVD				
11,297.8	10,738.0	COZZETTE_TVD				
11,470.8	10,911.0	CORCORAN_TVD				
11,762.8	11,203.0	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
1,125.2	1,099.7	-162.0	-67.6	EOB @ 1125.2' MD; Inc=24.75°
6,662.5	6,128.3	-2,301.9	-960.2	Start 3° Drop @ 6662.5' MD
7,487.7	6,928.0	-2,463.9	-1,027.8	EOD @ 7487.7' MD
13,000.0	12,440.2	-2,481.3	-1,054.1	TD @ 13,000' MD