



Azimuths to True North  
Magnetic North: 10.34°

Magnetic Field  
Strength: 52205.8nT  
Dip Angle: 65.81°  
Date: 4/19/2012  
Model: IGRF2010

#### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1081.0	1090.4	A GROOVE
1240.0	1252.2	B GROOVE
1280.0	1292.9	B GROOVE BASE
2095.0	2122.0	GARDEN GULCH
3141.0	3186.0	WASATCH FM
5223.0	5304.0	WASATCH G
7234.0	7345.7	WILLIAMS FORK
10836.0	10947.8	ROLLINS
11062.0	11173.8	COZZETTE
11229.0	11340.8	CORCORAN
11525.0	11636.8	UPPER SEGO

Plan #1						
UWF07C-04 H04 596						
WELL @ 8293.0ft (Original Well Elev)						
North American Datum 1983						
Well UWF07C-04 H04 596, True North						
Type	Target	Azimuth	Origin	Type	N/S	E/W
TD	No Target (Freehand)	264.67	Slot		0.0	0.0
Name		TVD	+N/-S	+E/-W	Latitude	Longitude
UWF07C-04 TGT		7234.0	-99.2	-1224.8	39° 38' 44.72 N	108° 10' 9.68 W
UWF07C-04 BHL		10836.0	-109.2	-1239.8	39° 38' 44.62 N	108° 10' 9.87 W

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF07C-04 H04 596
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Project:</b>	North Piceance	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site:</b>	H04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF07C-04 H04 596	<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		H04 Pad			
Site Position:		Northing:	1,671,070.85 ft	Latitude:	39° 38' 44.37 N
From:	Lat/Long	Easting:	2,249,607.93 ft	Longitude:	108° 9' 54.50 W
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.68 °

Well	UWF07C-04 H04 596					
Well Position	+N/-S	0.0 ft	Northing:	1,671,204.25 ft	Latitude:	39° 38' 45.70 N
	+E/-W	0.0 ft	Easting:	2,249,649.41 ft	Longitude:	108° 9' 54.02 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	8,260.0 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	4/19/2012	10.34	65.81	52,206

<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	264.67

<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	
652.6	10.58	265.37	650.6	-2.6	-32.3	3.00	3.00	0.00	265.37	
6,993.2	10.58	265.37	6,883.4	-96.6	-1,192.5	0.00	0.00	0.00	0.00	
7,345.7	0.00	0.00	7,234.0	-99.2	-1,224.8	3.00	-3.00	0.00	180.00	UWF07C-04 TGT
9,096.3	0.38	236.26	8,984.6	-102.4	-1,229.6	0.02	0.02	-7.07	236.26	
10,947.8	0.38	236.26	10,836.0	-109.2	-1,239.8	0.00	0.00	0.00	0.00	UWF07C-04 BHL
13,000.0	0.38	236.26	12,888.2	-116.8	-1,251.1	0.00	0.00	0.00	0.00	

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<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Project:</b>	North Piceance	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site:</b>	H04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF07C-04 H04 596	<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	265.37	400.0	-0.2	-2.6	2.6	3.00	3.00	
500.0	6.00	265.37	499.6	-0.8	-10.4	10.5	3.00	3.00	
600.0	9.00	265.37	598.8	-1.9	-23.4	23.5	3.00	3.00	
652.6	10.58	265.37	650.6	-2.6	-32.3	32.5	3.00	3.00	EOB @ Inc. = 10.58°
700.0	10.58	265.37	697.2	-3.3	-41.0	41.2	0.00	0.00	
800.0	10.58	265.37	795.5	-4.8	-59.3	59.5	0.00	0.00	
900.0	10.58	265.37	893.8	-6.3	-77.6	77.9	0.00	0.00	
1,000.0	10.58	265.37	992.1	-7.8	-95.9	96.2	0.00	0.00	
1,090.4	10.58	265.37	1,081.0	-9.1	-112.5	112.8	0.00	0.00	A GROOVE
1,100.0	10.58	265.37	1,090.4	-9.3	-114.2	114.6	0.00	0.00	
1,200.0	10.58	265.37	1,188.7	-10.7	-132.5	132.9	0.00	0.00	
1,252.2	10.58	265.37	1,240.0	-11.5	-142.1	142.5	0.00	0.00	B GROOVE
1,292.9	10.58	265.37	1,280.0	-12.1	-149.5	150.0	0.00	0.00	B GROOVE BASE
1,300.0	10.58	265.37	1,287.0	-12.2	-150.8	151.3	0.00	0.00	
1,400.0	10.58	265.37	1,385.3	-13.7	-169.1	169.6	0.00	0.00	
1,500.0	10.58	265.37	1,483.6	-15.2	-187.4	188.0	0.00	0.00	
1,600.0	10.58	265.37	1,581.9	-16.7	-205.7	206.3	0.00	0.00	
1,700.0	10.58	265.37	1,680.2	-18.1	-224.0	224.7	0.00	0.00	
1,800.0	10.58	265.37	1,778.5	-19.6	-242.3	243.1	0.00	0.00	
1,900.0	10.58	265.37	1,876.8	-21.1	-260.6	261.4	0.00	0.00	
2,000.0	10.58	265.37	1,975.1	-22.6	-278.9	279.8	0.00	0.00	
2,100.0	10.58	265.37	2,073.4	-24.1	-297.2	298.1	0.00	0.00	
2,122.0	10.58	265.37	2,095.0	-24.4	-301.2	302.2	0.00	0.00	GARDEN GULCH
2,200.0	10.58	265.37	2,171.7	-25.6	-315.5	316.5	0.00	0.00	
2,300.0	10.58	265.37	2,270.0	-27.0	-333.8	334.8	0.00	0.00	
2,400.0	10.58	265.37	2,368.3	-28.5	-352.1	353.2	0.00	0.00	
2,500.0	10.58	265.37	2,466.6	-30.0	-370.4	371.5	0.00	0.00	
2,600.0	10.58	265.37	2,564.9	-31.5	-388.7	389.9	0.00	0.00	
2,700.0	10.58	265.37	2,663.2	-33.0	-407.0	408.3	0.00	0.00	
2,800.0	10.58	265.37	2,761.5	-34.4	-425.3	426.6	0.00	0.00	
2,900.0	10.58	265.37	2,859.8	-35.9	-443.5	445.0	0.00	0.00	
3,000.0	10.58	265.37	2,958.1	-37.4	-461.8	463.3	0.00	0.00	
3,100.0	10.58	265.37	3,056.4	-38.9	-480.1	481.7	0.00	0.00	
3,186.0	10.58	265.37	3,141.0	-40.2	-495.9	497.5	0.00	0.00	WASATCH FM
3,200.0	10.58	265.37	3,154.7	-40.4	-498.4	500.0	0.00	0.00	
3,300.0	10.58	265.37	3,253.0	-41.9	-516.7	518.4	0.00	0.00	
3,400.0	10.58	265.37	3,351.3	-43.3	-535.0	536.7	0.00	0.00	
3,500.0	10.58	265.37	3,449.6	-44.8	-553.3	555.1	0.00	0.00	
3,600.0	10.58	265.37	3,547.9	-46.3	-571.6	573.5	0.00	0.00	
3,700.0	10.58	265.37	3,646.2	-47.8	-589.9	591.8	0.00	0.00	
3,800.0	10.58	265.37	3,744.5	-49.3	-608.2	610.2	0.00	0.00	
3,900.0	10.58	265.37	3,842.8	-50.7	-626.5	628.5	0.00	0.00	
4,000.0	10.58	265.37	3,941.1	-52.2	-644.8	646.9	0.00	0.00	
4,100.0	10.58	265.37	4,039.4	-53.7	-663.1	665.2	0.00	0.00	
4,200.0	10.58	265.37	4,137.7	-55.2	-681.4	683.6	0.00	0.00	
4,300.0	10.58	265.37	4,236.0	-56.7	-699.7	701.9	0.00	0.00	
4,400.0	10.58	265.37	4,334.3	-58.2	-718.0	720.3	0.00	0.00	
4,500.0	10.58	265.37	4,432.6	-59.6	-736.3	738.6	0.00	0.00	

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## Planning Report

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<b>Project:</b>	North Piceance	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site:</b>	H04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF07C-04 H04 596	<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	10.58	265.37	4,530.9	-61.1	-754.6	757.0	0.00	0.00	
4,700.0	10.58	265.37	4,629.2	-62.6	-772.9	775.4	0.00	0.00	
4,800.0	10.58	265.37	4,727.5	-64.1	-791.2	793.7	0.00	0.00	
4,900.0	10.58	265.37	4,825.8	-65.6	-809.5	812.1	0.00	0.00	
5,000.0	10.58	265.37	4,924.1	-67.0	-827.8	830.4	0.00	0.00	
5,100.0	10.58	265.37	5,022.4	-68.5	-846.1	848.8	0.00	0.00	
5,200.0	10.58	265.37	5,120.7	-70.0	-864.4	867.1	0.00	0.00	
5,300.0	10.58	265.37	5,219.0	-71.5	-882.7	885.5	0.00	0.00	
5,304.0	10.58	265.37	5,223.0	-71.5	-883.4	886.2	0.00	0.00	WASATCH G
5,400.0	10.58	265.37	5,317.3	-73.0	-901.0	903.8	0.00	0.00	
5,500.0	10.58	265.37	5,415.6	-74.5	-919.3	922.2	0.00	0.00	
5,600.0	10.58	265.37	5,513.9	-75.9	-937.6	940.6	0.00	0.00	
5,700.0	10.58	265.37	5,612.2	-77.4	-955.8	958.9	0.00	0.00	
5,800.0	10.58	265.37	5,710.5	-78.9	-974.1	977.3	0.00	0.00	
5,900.0	10.58	265.37	5,808.8	-80.4	-992.4	995.6	0.00	0.00	
6,000.0	10.58	265.37	5,907.1	-81.9	-1,010.7	1,014.0	0.00	0.00	
6,100.0	10.58	265.37	6,005.4	-83.3	-1,029.0	1,032.3	0.00	0.00	
6,200.0	10.58	265.37	6,103.7	-84.8	-1,047.3	1,050.7	0.00	0.00	
6,300.0	10.58	265.37	6,202.0	-86.3	-1,065.6	1,069.0	0.00	0.00	
6,400.0	10.58	265.37	6,300.3	-87.8	-1,083.9	1,087.4	0.00	0.00	
6,500.0	10.58	265.37	6,398.6	-89.3	-1,102.2	1,105.7	0.00	0.00	
6,600.0	10.58	265.37	6,496.9	-90.8	-1,120.5	1,124.1	0.00	0.00	
6,700.0	10.58	265.37	6,595.2	-92.2	-1,138.8	1,142.5	0.00	0.00	
6,800.0	10.58	265.37	6,693.5	-93.7	-1,157.1	1,160.8	0.00	0.00	
6,900.0	10.58	265.37	6,791.8	-95.2	-1,175.4	1,179.2	0.00	0.00	
6,993.2	10.58	265.37	6,883.4	-96.6	-1,192.5	1,196.3	0.00	0.00	Start 3° Drop
7,000.0	10.37	265.37	6,890.1	-96.7	-1,193.7	1,197.5	3.00	-3.00	
7,100.0	7.37	265.37	6,988.9	-97.9	-1,209.1	1,212.9	3.00	-3.00	
7,200.0	4.37	265.37	7,088.4	-98.8	-1,219.3	1,223.2	3.00	-3.00	
7,300.0	1.37	265.37	7,188.3	-99.2	-1,224.3	1,228.2	3.00	-3.00	
7,345.7	0.00	0.00	7,234.0	-99.2	-1,224.8	1,228.7	3.00	-3.00	EOD @ Inc. = 0° - WILLIAMS FORK
7,400.0	0.01	236.26	7,288.3	-99.2	-1,224.8	1,228.7	0.02	0.02	
7,500.0	0.03	236.26	7,388.3	-99.2	-1,224.8	1,228.8	0.02	0.02	
7,600.0	0.06	236.26	7,488.3	-99.3	-1,224.9	1,228.8	0.02	0.02	
7,700.0	0.08	236.26	7,588.3	-99.3	-1,225.0	1,228.9	0.02	0.02	
7,800.0	0.10	236.26	7,688.3	-99.4	-1,225.1	1,229.1	0.02	0.02	
7,900.0	0.12	236.26	7,788.3	-99.5	-1,225.3	1,229.2	0.02	0.02	
8,000.0	0.14	236.26	7,888.3	-99.6	-1,225.5	1,229.4	0.02	0.02	
8,100.0	0.16	236.26	7,988.3	-99.8	-1,225.7	1,229.7	0.02	0.02	
8,200.0	0.19	236.26	8,088.3	-100.0	-1,225.9	1,229.9	0.02	0.02	
8,300.0	0.21	236.26	8,188.3	-100.2	-1,226.2	1,230.2	0.02	0.02	
8,400.0	0.23	236.26	8,288.3	-100.4	-1,226.5	1,230.6	0.02	0.02	
8,500.0	0.25	236.26	8,388.3	-100.6	-1,226.9	1,230.9	0.02	0.02	
8,600.0	0.27	236.26	8,488.3	-100.9	-1,227.3	1,231.3	0.02	0.02	
8,700.0	0.29	236.26	8,588.3	-101.1	-1,227.7	1,231.8	0.02	0.02	
8,800.0	0.32	236.26	8,688.3	-101.4	-1,228.1	1,232.2	0.02	0.02	
8,900.0	0.34	236.26	8,788.3	-101.7	-1,228.6	1,232.7	0.02	0.02	
9,000.0	0.36	236.26	8,888.2	-102.1	-1,229.1	1,233.3	0.02	0.02	
9,096.3	0.38	236.26	8,984.6	-102.4	-1,229.6	1,233.8	0.02	0.02	
9,100.0	0.38	236.26	8,988.2	-102.4	-1,229.6	1,233.8	0.00	0.00	
9,200.0	0.38	236.26	9,088.2	-102.8	-1,230.2	1,234.4	0.00	0.00	
9,300.0	0.38	236.26	9,188.2	-103.2	-1,230.7	1,235.0	0.00	0.00	

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<b>Project:</b>	North Piceance	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site:</b>	H04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF07C-04 H04 596	<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	0.38	236.26	9,288.2	-103.5	-1,231.3	1,235.6	0.00	0.00	
9,500.0	0.38	236.26	9,388.2	-103.9	-1,231.8	1,236.2	0.00	0.00	
9,600.0	0.38	236.26	9,488.2	-104.3	-1,232.4	1,236.8	0.00	0.00	
9,700.0	0.38	236.26	9,588.2	-104.6	-1,232.9	1,237.3	0.00	0.00	
9,800.0	0.38	236.26	9,688.2	-105.0	-1,233.5	1,237.9	0.00	0.00	
9,900.0	0.38	236.26	9,788.2	-105.4	-1,234.1	1,238.5	0.00	0.00	
10,000.0	0.38	236.26	9,888.2	-105.7	-1,234.6	1,239.1	0.00	0.00	
10,100.0	0.38	236.26	9,988.2	-106.1	-1,235.2	1,239.7	0.00	0.00	
10,200.0	0.38	236.26	10,088.2	-106.5	-1,235.7	1,240.3	0.00	0.00	
10,300.0	0.38	236.26	10,188.2	-106.9	-1,236.3	1,240.8	0.00	0.00	
10,400.0	0.38	236.26	10,288.2	-107.2	-1,236.8	1,241.4	0.00	0.00	
10,500.0	0.38	236.26	10,388.2	-107.6	-1,237.4	1,242.0	0.00	0.00	
10,600.0	0.38	236.26	10,488.2	-108.0	-1,237.9	1,242.6	0.00	0.00	
10,700.0	0.38	236.26	10,588.2	-108.3	-1,238.5	1,243.2	0.00	0.00	
10,800.0	0.38	236.26	10,688.2	-108.7	-1,239.0	1,243.7	0.00	0.00	
10,900.0	0.38	236.26	10,788.2	-109.1	-1,239.6	1,244.3	0.00	0.00	
10,947.8	0.38	236.26	10,836.0	-109.2	-1,239.8	1,244.6	0.00	0.00	TD @ 10,947.8' MD - ROLLINS
11,000.0	0.38	236.26	10,888.2	-109.4	-1,240.1	1,244.9	0.00	0.00	
11,100.0	0.38	236.26	10,988.2	-109.8	-1,240.7	1,245.5	0.00	0.00	
11,173.8	0.38	236.26	11,062.0	-110.1	-1,241.1	1,245.9	0.00	0.00	COZZETTE
11,200.0	0.38	236.26	11,088.2	-110.2	-1,241.2	1,246.1	0.00	0.00	
11,300.0	0.38	236.26	11,188.2	-110.5	-1,241.8	1,246.7	0.00	0.00	
11,340.8	0.38	236.26	11,229.0	-110.7	-1,242.0	1,246.9	0.00	0.00	CORCORAN
11,400.0	0.38	236.26	11,288.2	-110.9	-1,242.3	1,247.2	0.00	0.00	
11,500.0	0.38	236.26	11,388.2	-111.3	-1,242.9	1,247.8	0.00	0.00	
11,600.0	0.38	236.26	11,488.2	-111.6	-1,243.4	1,248.4	0.00	0.00	
11,636.8	0.38	236.26	11,525.0	-111.8	-1,243.6	1,248.6	0.00	0.00	UPPER SEGO
11,700.0	0.38	236.26	11,588.2	-112.0	-1,244.0	1,249.0	0.00	0.00	
11,800.0	0.38	236.26	11,688.2	-112.4	-1,244.5	1,249.6	0.00	0.00	
11,900.0	0.38	236.26	11,788.2	-112.7	-1,245.1	1,250.2	0.00	0.00	
12,000.0	0.38	236.26	11,888.2	-113.1	-1,245.6	1,250.7	0.00	0.00	
12,100.0	0.38	236.26	11,988.2	-113.5	-1,246.2	1,251.3	0.00	0.00	
12,200.0	0.38	236.26	12,088.2	-113.8	-1,246.7	1,251.9	0.00	0.00	
12,300.0	0.38	236.26	12,188.2	-114.2	-1,247.3	1,252.5	0.00	0.00	
12,400.0	0.38	236.26	12,288.2	-114.6	-1,247.8	1,253.1	0.00	0.00	
12,500.0	0.38	236.26	12,388.2	-114.9	-1,248.4	1,253.7	0.00	0.00	
12,600.0	0.38	236.26	12,488.2	-115.3	-1,248.9	1,254.2	0.00	0.00	
12,700.0	0.38	236.26	12,588.2	-115.7	-1,249.5	1,254.8	0.00	0.00	
12,800.0	0.38	236.26	12,688.2	-116.1	-1,250.0	1,255.4	0.00	0.00	
12,900.0	0.38	236.26	12,788.2	-116.4	-1,250.6	1,256.0	0.00	0.00	
13,000.0	0.38	236.26	12,888.2	-116.8	-1,251.1	1,256.6	0.00	0.00	Permit TD @ 13,000' MD

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF07C-04 H04 596
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Project:</b>	North Piceance	<b>MD Reference:</b>	WELL @ 8293.0ft (Original Well Elev)
<b>Site:</b>	H04 Pad	<b>North Reference:</b>	True
<b>Well:</b>	UWF07C-04 H04 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	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-04 TGT	0.00	0.00	7,234.0	-99.2	-1,224.8	1,671,141.02	2,248,422.22	39° 38' 44.72 N	108° 10' 9.68 W
- plan hits target center									
- Point									
UWF07C-04 BHL	0.00	0.00	10,836.0	-109.2	-1,239.8	1,671,131.43	2,248,406.91	39° 38' 44.62 N	108° 10' 9.87 W
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,090.4	1,081.0	A GROOVE				
1,252.2	1,240.0	B GROOVE				
1,292.9	1,280.0	B GROOVE BASE				
2,122.0	2,095.0	GARDEN GULCH				
3,186.0	3,141.0	WASATCH FM				
5,304.0	5,223.0	WASATCH G				
7,345.7	7,234.0	WILLIAMS FORK				
10,947.8	10,836.0	ROLLINS				
11,173.8	11,062.0	COZZETTE				
11,340.8	11,229.0	CORCORAN				
11,636.8	11,525.0	UPPER SEGO				

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
652.6	650.6	-2.6	-32.3	EOB @ Inc. = 10.58°
6,993.2	6,883.4	-96.6	-1,192.5	Start 3° Drop
7,345.7	7,234.0	-99.2	-1,224.8	EOD @ Inc. = 0°
10,947.8	10,836.0	-109.2	-1,239.8	TD @ 10,947.8' MD
13,000.0	12,888.2	-116.8	-1,251.1	Permit TD @ 13,000' MD