



Azimuths to True North
Magnetic North: 10.34°

Magnetic Field
Strength: 52206.2nT
Dip Angle: 65.81°
Date: 4/18/2012
Model: IGRF2010

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1088.0	1103.4	A GROOVE
1246.0	1275.6	B GROOVE
1286.0	1320.3	B GROOVE BASE
2088.0	2305.5	GARDEN GULCH
3135.0	3617.2	WASATCH FM
5175.0	6172.8	WASATCH G
7192.0	8493.1	WILLIAMS FORK
10741.0	12042.2	ROLLINS
10953.0	12254.2	COZZETTE
11124.0	12425.2	CORCORAN
11428.0	12729.2	UPPER SEGO

Plan #1
UWF04B-04 H04 596
125XXX; SC
KBE @ 8293.0ft (Original Well Elev)
North American Datum 1983
Well UWF04B-04 H04 596, True North

Type	Target	Azimuth	Origin	N/S	E/W	From
TD	No Target (Freehand)	290.38	Slot	0.0	0.0	TVD
Name						
UWF04B-04 TGT		7192.0	+N/-S	39° 39' 0.81 N	108° 10' 43.32 W	
UWF04B-04 PBHL		10741.0	+E/-W	39° 39' 0.71 N	108° 10' 43.54 W	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF04B-04 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 Pad	North Reference:	True
Well:	UWF04B-04 H04 596	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		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	UWF04B-04 H04 596					
Well Position	+N/-S	0.0 ft	Northing:	1,671,268.13 ft	Latitude:	39° 38' 46.34 N
	+E/-W	0.0 ft	Easting:	2,249,680.23 ft	Longitude:	108° 9' 53.65 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	8,260.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/18/2012	10.34	65.81	52,206

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	290.38

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	
733.3	10.00	305.00	731.6	16.6	-23.8	3.00	3.00	0.00	305.00	
1,649.0	37.04	290.26	1,564.0	160.5	-354.0	3.00	2.95	-1.61	-19.40	
7,258.5	37.04	290.26	6,041.6	1,330.8	-3,523.8	0.00	0.00	0.00	0.00	
8,493.1	0.00	0.00	7,192.0	1,464.3	-3,885.3	3.00	-3.00	0.00	180.00	UWF04B-04 TGT
8,905.9	0.34	239.50	7,604.8	1,463.7	-3,886.3	0.08	0.08	-29.19	239.50	
12,042.2	0.34	239.50	10,741.0	1,454.3	-3,902.3	0.00	0.00	0.00	0.00	UWF04B-04 PBHL
13,000.0	0.34	239.50	11,698.8	1,451.4	-3,907.1	0.00	0.00	0.00	0.00	

Cathedral Energy Services

Planning Report

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Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 Pad	North Reference:	True
Well:	UWF04B-04 H04 596	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'
500.0	3.00	305.00	500.0	1.5	-2.1	2.5	3.00	3.00	
600.0	6.00	305.00	599.6	6.0	-8.6	10.1	3.00	3.00	
700.0	9.00	305.00	698.8	13.5	-19.3	22.8	3.00	3.00	
733.3	10.00	305.00	731.6	16.6	-23.8	28.1	3.00	3.00	
800.0	11.90	301.78	797.1	23.6	-34.4	40.4	3.00	2.86	
900.0	14.81	298.50	894.4	35.1	-54.4	63.2	3.00	2.90	
1,000.0	17.74	296.28	990.4	48.0	-79.3	91.0	3.00	2.94	
1,100.0	20.70	294.67	1,084.8	62.1	-109.0	123.8	3.00	2.95	
1,103.4	20.80	294.62	1,088.0	62.6	-110.1	125.0	3.00	2.96	A GROOVE
1,200.0	23.66	293.45	1,177.4	77.5	-143.5	161.5	3.00	2.96	
1,275.6	25.91	292.70	1,246.0	89.9	-172.6	193.1	3.00	2.97	B GROOVE
1,300.0	26.63	292.49	1,267.9	94.0	-182.6	203.9	3.00	2.97	
1,320.3	27.24	292.32	1,286.0	97.5	-191.1	213.1	3.00	2.98	B GROOVE BASE
1,400.0	29.61	291.71	1,356.1	111.7	-226.3	251.0	3.00	2.98	
1,500.0	32.59	291.06	1,441.7	130.5	-274.4	302.7	3.00	2.98	
1,600.0	35.58	290.51	1,524.5	150.4	-326.8	358.7	3.00	2.98	
1,649.0	37.04	290.26	1,564.0	160.5	-354.0	387.7	3.00	2.99	EOB @ Inc. = 37.04°
1,700.0	37.04	290.26	1,604.7	171.2	-382.8	418.4	0.00	0.00	
1,800.0	37.04	290.26	1,684.5	192.0	-439.3	478.7	0.00	0.00	
1,900.0	37.04	290.26	1,764.3	212.9	-495.8	538.9	0.00	0.00	
2,000.0	37.04	290.26	1,844.2	233.8	-552.3	599.1	0.00	0.00	
2,100.0	37.04	290.26	1,924.0	254.6	-608.8	659.4	0.00	0.00	
2,200.0	37.04	290.26	2,003.8	275.5	-665.3	719.6	0.00	0.00	
2,300.0	37.04	290.26	2,083.6	296.3	-721.8	779.8	0.00	0.00	
2,305.5	37.04	290.26	2,088.0	297.5	-724.9	783.1	0.00	0.00	GARDEN GULCH
2,400.0	37.04	290.26	2,163.4	317.2	-778.3	840.1	0.00	0.00	
2,500.0	37.04	290.26	2,243.3	338.1	-834.8	900.3	0.00	0.00	
2,600.0	37.04	290.26	2,323.1	358.9	-891.4	960.6	0.00	0.00	
2,700.0	37.04	290.26	2,402.9	379.8	-947.9	1,020.8	0.00	0.00	
2,800.0	37.04	290.26	2,482.7	400.7	-1,004.4	1,081.0	0.00	0.00	
2,900.0	37.04	290.26	2,562.5	421.5	-1,060.9	1,141.3	0.00	0.00	
3,000.0	37.04	290.26	2,642.4	442.4	-1,117.4	1,201.5	0.00	0.00	
3,100.0	37.04	290.26	2,722.2	463.2	-1,173.9	1,261.7	0.00	0.00	
3,200.0	37.04	290.26	2,802.0	484.1	-1,230.4	1,322.0	0.00	0.00	
3,300.0	37.04	290.26	2,881.8	505.0	-1,286.9	1,382.2	0.00	0.00	
3,400.0	37.04	290.26	2,961.7	525.8	-1,343.4	1,442.4	0.00	0.00	
3,500.0	37.04	290.26	3,041.5	546.7	-1,399.9	1,502.7	0.00	0.00	
3,600.0	37.04	290.26	3,121.3	567.6	-1,456.4	1,562.9	0.00	0.00	
3,617.2	37.04	290.26	3,135.0	571.1	-1,466.1	1,573.3	0.00	0.00	WASATCH FM
3,700.0	37.04	290.26	3,201.1	588.4	-1,512.9	1,623.2	0.00	0.00	
3,800.0	37.04	290.26	3,280.9	609.3	-1,569.5	1,683.4	0.00	0.00	
3,900.0	37.04	290.26	3,360.8	630.2	-1,626.0	1,743.6	0.00	0.00	
4,000.0	37.04	290.26	3,440.6	651.0	-1,682.5	1,803.9	0.00	0.00	
4,100.0	37.04	290.26	3,520.4	671.9	-1,739.0	1,864.1	0.00	0.00	
4,200.0	37.04	290.26	3,600.2	692.7	-1,795.5	1,924.3	0.00	0.00	
4,300.0	37.04	290.26	3,680.1	713.6	-1,852.0	1,984.6	0.00	0.00	
4,400.0	37.04	290.26	3,759.9	734.5	-1,908.5	2,044.8	0.00	0.00	

Cathedral Energy Services

Planning Report

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Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 Pad	North Reference:	True
Well:	UWF04B-04 H04 596	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
4,500.0	37.04	290.26	3,839.7	755.3	-1,965.0	2,105.0	0.00	0.00	
4,600.0	37.04	290.26	3,919.5	776.2	-2,021.5	2,165.3	0.00	0.00	
4,700.0	37.04	290.26	3,999.3	797.1	-2,078.0	2,225.5	0.00	0.00	
4,800.0	37.04	290.26	4,079.2	817.9	-2,134.5	2,285.8	0.00	0.00	
4,900.0	37.04	290.26	4,159.0	838.8	-2,191.0	2,346.0	0.00	0.00	
5,000.0	37.04	290.26	4,238.8	859.6	-2,247.6	2,406.2	0.00	0.00	
5,100.0	37.04	290.26	4,318.6	880.5	-2,304.1	2,466.5	0.00	0.00	
5,200.0	37.04	290.26	4,398.5	901.4	-2,360.6	2,526.7	0.00	0.00	
5,300.0	37.04	290.26	4,478.3	922.2	-2,417.1	2,586.9	0.00	0.00	
5,400.0	37.04	290.26	4,558.1	943.1	-2,473.6	2,647.2	0.00	0.00	
5,500.0	37.04	290.26	4,637.9	964.0	-2,530.1	2,707.4	0.00	0.00	
5,600.0	37.04	290.26	4,717.7	984.8	-2,586.6	2,767.7	0.00	0.00	
5,700.0	37.04	290.26	4,797.6	1,005.7	-2,643.1	2,827.9	0.00	0.00	
5,800.0	37.04	290.26	4,877.4	1,026.5	-2,699.6	2,888.1	0.00	0.00	
5,900.0	37.04	290.26	4,957.2	1,047.4	-2,756.1	2,948.4	0.00	0.00	
6,000.0	37.04	290.26	5,037.0	1,068.3	-2,812.6	3,008.6	0.00	0.00	
6,100.0	37.04	290.26	5,116.8	1,089.1	-2,869.1	3,068.8	0.00	0.00	
6,172.8	37.04	290.26	5,175.0	1,104.3	-2,910.3	3,112.7	0.00	0.00	WASATCH G
6,200.0	37.04	290.26	5,196.7	1,110.0	-2,925.7	3,129.1	0.00	0.00	
6,300.0	37.04	290.26	5,276.5	1,130.9	-2,982.2	3,189.3	0.00	0.00	
6,400.0	37.04	290.26	5,356.3	1,151.7	-3,038.7	3,249.5	0.00	0.00	
6,500.0	37.04	290.26	5,436.1	1,172.6	-3,095.2	3,309.8	0.00	0.00	
6,600.0	37.04	290.26	5,516.0	1,193.5	-3,151.7	3,370.0	0.00	0.00	
6,700.0	37.04	290.26	5,595.8	1,214.3	-3,208.2	3,430.3	0.00	0.00	
6,800.0	37.04	290.26	5,675.6	1,235.2	-3,264.7	3,490.5	0.00	0.00	
6,900.0	37.04	290.26	5,755.4	1,256.0	-3,321.2	3,550.7	0.00	0.00	
7,000.0	37.04	290.26	5,835.2	1,276.9	-3,377.7	3,611.0	0.00	0.00	
7,100.0	37.04	290.26	5,915.1	1,297.8	-3,434.2	3,671.2	0.00	0.00	
7,200.0	37.04	290.26	5,994.9	1,318.6	-3,490.7	3,731.4	0.00	0.00	
7,258.5	37.04	290.26	6,041.6	1,330.8	-3,523.8	3,766.7	0.00	0.00	Start 3° Drop
7,300.0	35.79	290.26	6,075.0	1,339.4	-3,546.9	3,791.3	3.00	-3.00	
7,400.0	32.79	290.26	6,157.6	1,358.9	-3,599.8	3,847.6	3.00	-3.00	
7,500.0	29.79	290.26	6,243.0	1,376.9	-3,648.5	3,899.6	3.00	-3.00	
7,600.0	26.79	290.26	6,331.1	1,393.3	-3,692.9	3,947.0	3.00	-3.00	
7,700.0	23.79	290.26	6,421.5	1,408.1	-3,733.0	3,989.7	3.00	-3.00	
7,800.0	20.79	290.26	6,514.0	1,421.2	-3,768.6	4,027.6	3.00	-3.00	
7,900.0	17.79	290.26	6,608.4	1,432.7	-3,799.6	4,060.7	3.00	-3.00	
8,000.0	14.79	290.26	6,704.3	1,442.4	-3,825.9	4,088.7	3.00	-3.00	
8,100.0	11.79	290.26	6,801.6	1,450.3	-3,847.5	4,111.7	3.00	-3.00	
8,200.0	8.79	290.26	6,900.0	1,456.5	-3,864.2	4,129.6	3.00	-3.00	
8,300.0	5.79	290.26	6,999.2	1,460.9	-3,876.1	4,142.3	3.00	-3.00	
8,400.0	2.79	290.26	7,098.9	1,463.5	-3,883.2	4,149.8	3.00	-3.00	
8,493.1	0.00	0.00	7,192.0	1,464.3	-3,885.3	4,152.0	3.00	-3.00	EOD @ Inc. = 0° - WILLIAMS FORK
8,500.0	0.01	239.50	7,198.9	1,464.3	-3,885.3	4,152.0	0.08	0.08	
8,600.0	0.09	239.50	7,298.9	1,464.3	-3,885.4	4,152.1	0.08	0.08	
8,700.0	0.17	239.50	7,398.9	1,464.1	-3,885.6	4,152.2	0.08	0.08	
8,800.0	0.25	239.50	7,498.9	1,464.0	-3,885.9	4,152.5	0.08	0.08	
8,905.9	0.34	239.50	7,604.8	1,463.7	-3,886.3	4,152.8	0.08	0.08	
9,000.0	0.34	239.50	7,698.9	1,463.4	-3,886.8	4,153.1	0.00	0.00	
9,100.0	0.34	239.50	7,798.9	1,463.1	-3,887.3	4,153.5	0.00	0.00	
9,200.0	0.34	239.50	7,898.9	1,462.8	-3,887.8	4,153.9	0.00	0.00	
9,300.0	0.34	239.50	7,998.9	1,462.5	-3,888.3	4,154.3	0.00	0.00	

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Planning Report

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Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 Pad	North Reference:	True
Well:	UWF04B-04 H04 596	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	239.50	8,098.9	1,462.2	-3,888.9	4,154.6	0.00	0.00	
9,500.0	0.34	239.50	8,198.9	1,461.9	-3,889.4	4,155.0	0.00	0.00	
9,600.0	0.34	239.50	8,298.9	1,461.6	-3,889.9	4,155.4	0.00	0.00	
9,700.0	0.34	239.50	8,398.9	1,461.3	-3,890.4	4,155.7	0.00	0.00	
9,800.0	0.34	239.50	8,498.9	1,461.0	-3,890.9	4,156.1	0.00	0.00	
9,900.0	0.34	239.50	8,598.9	1,460.7	-3,891.4	4,156.5	0.00	0.00	
10,000.0	0.34	239.50	8,698.9	1,460.4	-3,891.9	4,156.9	0.00	0.00	
10,100.0	0.34	239.50	8,798.9	1,460.1	-3,892.4	4,157.2	0.00	0.00	
10,200.0	0.34	239.50	8,898.8	1,459.8	-3,892.9	4,157.6	0.00	0.00	
10,300.0	0.34	239.50	8,998.8	1,459.5	-3,893.4	4,158.0	0.00	0.00	
10,400.0	0.34	239.50	9,098.8	1,459.2	-3,893.9	4,158.4	0.00	0.00	
10,500.0	0.34	239.50	9,198.8	1,458.9	-3,894.4	4,158.7	0.00	0.00	
10,600.0	0.34	239.50	9,298.8	1,458.6	-3,894.9	4,159.1	0.00	0.00	
10,700.0	0.34	239.50	9,398.8	1,458.3	-3,895.5	4,159.5	0.00	0.00	
10,800.0	0.34	239.50	9,498.8	1,458.0	-3,896.0	4,159.8	0.00	0.00	
10,900.0	0.34	239.50	9,598.8	1,457.7	-3,896.5	4,160.2	0.00	0.00	
11,000.0	0.34	239.50	9,698.8	1,457.4	-3,897.0	4,160.6	0.00	0.00	
11,100.0	0.34	239.50	9,798.8	1,457.1	-3,897.5	4,161.0	0.00	0.00	
11,200.0	0.34	239.50	9,898.8	1,456.8	-3,898.0	4,161.3	0.00	0.00	
11,300.0	0.34	239.50	9,998.8	1,456.5	-3,898.5	4,161.7	0.00	0.00	
11,400.0	0.34	239.50	10,098.8	1,456.2	-3,899.0	4,162.1	0.00	0.00	
11,500.0	0.34	239.50	10,198.8	1,455.9	-3,899.5	4,162.4	0.00	0.00	
11,600.0	0.34	239.50	10,298.8	1,455.6	-3,900.0	4,162.8	0.00	0.00	
11,700.0	0.34	239.50	10,398.8	1,455.3	-3,900.5	4,163.2	0.00	0.00	
11,800.0	0.34	239.50	10,498.8	1,455.0	-3,901.0	4,163.6	0.00	0.00	
11,900.0	0.34	239.50	10,598.8	1,454.7	-3,901.5	4,163.9	0.00	0.00	
12,000.0	0.34	239.50	10,698.8	1,454.4	-3,902.1	4,164.3	0.00	0.00	
12,042.2	0.34	239.50	10,741.0	1,454.3	-3,902.3	4,164.5	0.00	0.00	TD @ 12,042.2' MD - ROLLINS
12,100.0	0.34	239.50	10,798.8	1,454.1	-3,902.6	4,164.7	0.00	0.00	
12,200.0	0.34	239.50	10,898.8	1,453.8	-3,903.1	4,165.0	0.00	0.00	
12,254.2	0.34	239.50	10,953.0	1,453.7	-3,903.3	4,165.2	0.00	0.00	COZZETTE
12,300.0	0.34	239.50	10,998.8	1,453.5	-3,903.6	4,165.4	0.00	0.00	
12,400.0	0.34	239.50	11,098.8	1,453.2	-3,904.1	4,165.8	0.00	0.00	
12,425.2	0.34	239.50	11,124.0	1,453.2	-3,904.2	4,165.9	0.00	0.00	CORCORAN
12,500.0	0.34	239.50	11,198.8	1,452.9	-3,904.6	4,166.2	0.00	0.00	
12,600.0	0.34	239.50	11,298.8	1,452.6	-3,905.1	4,166.5	0.00	0.00	
12,700.0	0.34	239.50	11,398.8	1,452.3	-3,905.6	4,166.9	0.00	0.00	
12,729.2	0.34	239.50	11,428.0	1,452.3	-3,905.8	4,167.0	0.00	0.00	UPPER SEGO
12,800.0	0.34	239.50	11,498.8	1,452.0	-3,906.1	4,167.3	0.00	0.00	
12,900.0	0.34	239.50	11,598.8	1,451.7	-3,906.6	4,167.6	0.00	0.00	
13,000.0	0.34	239.50	11,698.8	1,451.4	-3,907.1	4,168.0	0.00	0.00	Permit TD @ 13,000' MD

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well UWF04B-04 H04 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8293.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KBE @ 8293.0ft (Original Well Elev)
Site:	H04 Pad	North Reference:	True
Well:	UWF04B-04 H04 596	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)		
UWF04B-04 TGT	0.00	0.00	7,192.0	1,464.3	-3,885.3	1,672,845.76	2,245,839.55	39° 39' 0.81 N	108° 10' 43.32 W
- plan hits target center									
- Point									
UWF04B-04 PBHL	0.00	0.00	10,741.0	1,454.3	-3,902.3	1,672,836.27	2,245,822.30	39° 39' 0.71 N	108° 10' 43.54 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)			(°)	(°)	
1,103.4	1,088.0	A GROOVE				
1,275.6	1,246.0	B GROOVE				
1,320.3	1,286.0	B GROOVE BASE				
2,305.5	2,088.0	GARDEN GULCH				
3,617.2	3,135.0	WASATCH FM				
6,172.8	5,175.0	WASATCH G				
8,493.1	7,192.0	WILLIAMS FORK				
12,042.2	10,741.0	ROLLINS				
12,254.2	10,953.0	COZZETTE				
12,425.2	11,124.0	CORCORAN				
12,729.2	11,428.0	UPPER SEGO				

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'
1,649.0	1,564.0	160.5	-354.0	EOB @ Inc. = 37.04°
7,258.5	6,041.6	1,330.8	-3,523.8	Start 3° Drop
8,493.1	7,192.0	1,464.3	-3,885.3	EOD @ Inc. = 0°
12,042.2	10,741.0	1,454.3	-3,902.3	TD @ 12,042.2' MD
13,000.0	11,698.8	1,451.4	-3,907.1	Permit TD @ 13,000' MD