

Type	Target	Azimuth	Origin Type	N/S	E/W	From TVD
TD	No Target (Freehand)	200.97	Slot	0.0	0.0	0.0
Name	TVD	+N/-S	+E/-W	Latitude		Longitude
E-04 TGT	7141.0	-3163.0	-1195.3	39° 38'	13.21 N	108° 10' 9.74 W
E-04 BHL	10690.0	-3173.0	-1210.3	39° 38'	13.11 N	108° 10' 9.93 W

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF15E-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>	UWF15E-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	UWF15E-04 H04 596					
Well Position	+N/-S	0.0 ft	Northing:	1,671,080.86 ft	Latitude:	39° 38' 44.47 N
	+E/-W	0.0 ft	Easting:	2,249,611.35 ft	Longitude:	108° 9' 54.46 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	200.97	

<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	
150.0	0.00	0.00	150.0	0.0	0.0	0.00	0.00	0.00	0.00	
983.3	25.00	210.00	957.1	-155.0	-89.5	3.00	3.00	0.00	210.00	
1,196.6	29.51	200.05	1,146.8	-243.4	-130.0	3.00	2.11	-4.67	-49.83	
7,003.3	29.51	200.05	6,200.3	-2,930.3	-1,110.4	0.00	0.00	0.00	0.00	
7,986.9	0.00	0.00	7,141.0	-3,163.0	-1,195.3	3.00	-3.00	0.00	180.00	UWF15E-04 TGT
9,729.6	0.39	236.11	8,883.6	-3,166.3	-1,200.2	0.02	0.02	-7.11	236.11	
11,536.0	0.39	236.11	10,690.0	-3,173.0	-1,210.3	0.00	0.00	0.00	0.00	UWF15E-04 BHL
13,000.0	0.39	236.11	12,154.0	-3,178.5	-1,218.4	0.00	0.00	0.00	0.00	

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF15E-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>	UWF15E-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	
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	KOP @ 150'
200.0	1.50	210.00	200.0	-0.6	-0.3	0.6	3.00	3.00	
300.0	4.50	210.00	299.8	-5.1	-2.9	5.8	3.00	3.00	
400.0	7.50	210.00	399.3	-14.2	-8.2	16.1	3.00	3.00	
500.0	10.50	210.00	498.0	-27.7	-16.0	31.6	3.00	3.00	
600.0	13.50	210.00	595.8	-45.7	-26.4	52.1	3.00	3.00	
700.0	16.50	210.00	692.4	-68.1	-39.3	77.7	3.00	3.00	
800.0	19.50	210.00	787.5	-94.9	-54.8	108.2	3.00	3.00	
900.0	22.50	210.00	880.9	-125.9	-72.7	143.6	3.00	3.00	
983.3	25.00	210.00	957.1	-155.0	-89.5	176.7	3.00	3.00	
1,000.0	25.33	209.11	972.2	-161.1	-93.0	183.7	3.00	1.95	
1,079.9	26.95	205.11	1,044.0	-192.5	-109.0	218.7	3.00	2.04	A GROOVE
1,100.0	27.38	204.18	1,061.8	-200.8	-112.8	227.9	3.00	2.12	
1,196.6	29.51	200.05	1,146.8	-243.4	-130.0	273.8	3.00	2.20	EOB @ Inc. = 29.51°
1,200.0	29.51	200.05	1,149.7	-245.0	-130.6	275.5	0.00	0.00	
1,265.8	29.51	200.05	1,207.0	-275.4	-141.7	307.9	0.00	0.00	B GROOVE
1,300.0	29.51	200.05	1,236.8	-291.3	-147.5	324.8	0.00	0.00	
1,311.8	29.51	200.05	1,247.0	-296.7	-149.5	330.6	0.00	0.00	B GROOVE BASE
1,400.0	29.51	200.05	1,323.8	-337.5	-164.4	374.0	0.00	0.00	
1,500.0	29.51	200.05	1,410.8	-383.8	-181.3	423.3	0.00	0.00	
1,600.0	29.51	200.05	1,497.9	-430.1	-198.2	472.5	0.00	0.00	
1,700.0	29.51	200.05	1,584.9	-476.4	-215.0	521.8	0.00	0.00	
1,800.0	29.51	200.05	1,671.9	-522.6	-231.9	571.0	0.00	0.00	
1,900.0	29.51	200.05	1,758.9	-568.9	-248.8	620.3	0.00	0.00	
2,000.0	29.51	200.05	1,846.0	-615.2	-265.7	669.5	0.00	0.00	
2,100.0	29.51	200.05	1,933.0	-661.4	-282.6	718.8	0.00	0.00	
2,200.0	29.51	200.05	2,020.0	-707.7	-299.4	768.0	0.00	0.00	
2,214.9	29.51	200.05	2,033.0	-714.6	-302.0	775.3	0.00	0.00	GARDEN GULCH
2,300.0	29.51	200.05	2,107.1	-754.0	-316.3	817.3	0.00	0.00	
2,400.0	29.51	200.05	2,194.1	-800.3	-333.2	866.5	0.00	0.00	
2,500.0	29.51	200.05	2,281.1	-846.5	-350.1	915.8	0.00	0.00	
2,600.0	29.51	200.05	2,368.1	-892.8	-367.0	965.0	0.00	0.00	
2,700.0	29.51	200.05	2,455.2	-939.1	-383.9	1,014.2	0.00	0.00	
2,800.0	29.51	200.05	2,542.2	-985.3	-400.7	1,063.5	0.00	0.00	
2,900.0	29.51	200.05	2,629.2	-1,031.6	-417.6	1,112.7	0.00	0.00	
3,000.0	29.51	200.05	2,716.3	-1,077.9	-434.5	1,162.0	0.00	0.00	
3,100.0	29.51	200.05	2,803.3	-1,124.2	-451.4	1,211.2	0.00	0.00	
3,200.0	29.51	200.05	2,890.3	-1,170.4	-468.3	1,260.5	0.00	0.00	
3,300.0	29.51	200.05	2,977.3	-1,216.7	-485.2	1,309.7	0.00	0.00	
3,400.0	29.51	200.05	3,064.4	-1,263.0	-502.0	1,359.0	0.00	0.00	
3,412.2	29.51	200.05	3,075.0	-1,268.6	-504.1	1,365.0	0.00	0.00	WASATCH FM
3,500.0	29.51	200.05	3,151.4	-1,309.2	-518.9	1,408.2	0.00	0.00	
3,600.0	29.51	200.05	3,238.4	-1,355.5	-535.8	1,457.5	0.00	0.00	
3,700.0	29.51	200.05	3,325.5	-1,401.8	-552.7	1,506.7	0.00	0.00	
3,800.0	29.51	200.05	3,412.5	-1,448.0	-569.6	1,556.0	0.00	0.00	
3,900.0	29.51	200.05	3,499.5	-1,494.3	-586.5	1,605.2	0.00	0.00	
4,000.0	29.51	200.05	3,586.5	-1,540.6	-603.3	1,654.5	0.00	0.00	
4,100.0	29.51	200.05	3,673.6	-1,586.9	-620.2	1,703.7	0.00	0.00	
4,200.0	29.51	200.05	3,760.6	-1,633.1	-637.1	1,753.0	0.00	0.00	
4,300.0	29.51	200.05	3,847.6	-1,679.4	-654.0	1,802.2	0.00	0.00	

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF15E-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>	UWF15E-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
4,400.0	29.51	200.05	3,934.7	-1,725.7	-670.9	1,851.5	0.00	0.00	
4,500.0	29.51	200.05	4,021.7	-1,771.9	-687.8	1,900.7	0.00	0.00	
4,600.0	29.51	200.05	4,108.7	-1,818.2	-704.6	1,950.0	0.00	0.00	
4,700.0	29.51	200.05	4,195.7	-1,864.5	-721.5	1,999.2	0.00	0.00	
4,800.0	29.51	200.05	4,282.8	-1,910.8	-738.4	2,048.5	0.00	0.00	
4,900.0	29.51	200.05	4,369.8	-1,957.0	-755.3	2,097.7	0.00	0.00	
5,000.0	29.51	200.05	4,456.8	-2,003.3	-772.2	2,147.0	0.00	0.00	
5,100.0	29.51	200.05	4,543.9	-2,049.6	-789.0	2,196.2	0.00	0.00	
5,200.0	29.51	200.05	4,630.9	-2,095.8	-805.9	2,245.5	0.00	0.00	
5,300.0	29.51	200.05	4,717.9	-2,142.1	-822.8	2,294.7	0.00	0.00	
5,400.0	29.51	200.05	4,804.9	-2,188.4	-839.7	2,344.0	0.00	0.00	
5,500.0	29.51	200.05	4,892.0	-2,234.7	-856.6	2,393.2	0.00	0.00	
5,600.0	29.51	200.05	4,979.0	-2,280.9	-873.5	2,442.5	0.00	0.00	
5,700.0	29.51	200.05	5,066.0	-2,327.2	-890.3	2,491.7	0.00	0.00	
5,779.3	29.51	200.05	5,135.0	-2,363.9	-903.7	2,530.7	0.00	0.00	WASATCH G
5,800.0	29.51	200.05	5,153.1	-2,373.5	-907.2	2,540.9	0.00	0.00	
5,900.0	29.51	200.05	5,240.1	-2,419.7	-924.1	2,590.2	0.00	0.00	
6,000.0	29.51	200.05	5,327.1	-2,466.0	-941.0	2,639.4	0.00	0.00	
6,100.0	29.51	200.05	5,414.1	-2,512.3	-957.9	2,688.7	0.00	0.00	
6,200.0	29.51	200.05	5,501.2	-2,558.6	-974.8	2,737.9	0.00	0.00	
6,300.0	29.51	200.05	5,588.2	-2,604.8	-991.6	2,787.2	0.00	0.00	
6,400.0	29.51	200.05	5,675.2	-2,651.1	-1,008.5	2,836.4	0.00	0.00	
6,500.0	29.51	200.05	5,762.3	-2,697.4	-1,025.4	2,885.7	0.00	0.00	
6,600.0	29.51	200.05	5,849.3	-2,743.6	-1,042.3	2,934.9	0.00	0.00	
6,700.0	29.51	200.05	5,936.3	-2,789.9	-1,059.2	2,984.2	0.00	0.00	
6,800.0	29.51	200.05	6,023.3	-2,836.2	-1,076.1	3,033.4	0.00	0.00	
6,900.0	29.51	200.05	6,110.4	-2,882.5	-1,092.9	3,082.7	0.00	0.00	
7,003.3	29.51	200.05	6,200.3	-2,930.3	-1,110.4	3,133.6	0.00	0.00	Start 3° Drop
7,100.0	26.61	200.05	6,285.6	-2,973.0	-1,126.0	3,179.0	3.00	-3.00	
7,200.0	23.61	200.05	6,376.1	-3,012.8	-1,140.5	3,221.5	3.00	-3.00	
7,300.0	20.61	200.05	6,468.8	-3,048.2	-1,153.4	3,259.1	3.00	-3.00	
7,400.0	17.61	200.05	6,563.2	-3,078.9	-1,164.6	3,291.8	3.00	-3.00	
7,500.0	14.61	200.05	6,659.3	-3,105.0	-1,174.1	3,319.5	3.00	-3.00	
7,600.0	11.61	200.05	6,756.7	-3,126.3	-1,181.9	3,342.2	3.00	-3.00	
7,700.0	8.61	200.05	6,855.1	-3,142.8	-1,187.9	3,359.8	3.00	-3.00	
7,800.0	5.61	200.05	6,954.3	-3,154.4	-1,192.2	3,372.1	3.00	-3.00	
7,900.0	2.61	200.05	7,054.1	-3,161.1	-1,194.6	3,379.3	3.00	-3.00	
7,986.9	0.00	0.00	7,141.0	-3,163.0	-1,195.3	3,381.3	3.00	-3.00	EOD @ Inc. = 0° - WILLIAMS FORK
8,000.0	0.00	236.11	7,154.1	-3,163.0	-1,195.3	3,381.3	0.02	0.02	
8,100.0	0.03	236.11	7,254.1	-3,163.0	-1,195.3	3,381.3	0.02	0.02	
8,200.0	0.05	236.11	7,354.1	-3,163.0	-1,195.4	3,381.4	0.02	0.02	
8,300.0	0.07	236.11	7,454.1	-3,163.1	-1,195.5	3,381.4	0.02	0.02	
8,400.0	0.09	236.11	7,554.1	-3,163.2	-1,195.6	3,381.5	0.02	0.02	
8,500.0	0.11	236.11	7,654.1	-3,163.3	-1,195.7	3,381.7	0.02	0.02	
8,600.0	0.14	236.11	7,754.1	-3,163.4	-1,195.9	3,381.9	0.02	0.02	
8,700.0	0.16	236.11	7,854.0	-3,163.5	-1,196.1	3,382.1	0.02	0.02	
8,800.0	0.18	236.11	7,954.0	-3,163.7	-1,196.4	3,382.3	0.02	0.02	
8,900.0	0.20	236.11	8,054.0	-3,163.9	-1,196.6	3,382.6	0.02	0.02	
9,000.0	0.22	236.11	8,154.0	-3,164.1	-1,196.9	3,382.9	0.02	0.02	
9,100.0	0.25	236.11	8,254.0	-3,164.3	-1,197.3	3,383.2	0.02	0.02	
9,200.0	0.27	236.11	8,354.0	-3,164.6	-1,197.7	3,383.6	0.02	0.02	
9,300.0	0.29	236.11	8,454.0	-3,164.9	-1,198.1	3,384.0	0.02	0.02	

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well UWF15E-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>	UWF15E-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	0.31	236.11	8,554.0	-3,165.1	-1,198.5	3,384.4	0.02	0.02	
9,500.0	0.33	236.11	8,654.0	-3,165.5	-1,199.0	3,384.9	0.02	0.02	
9,600.0	0.36	236.11	8,754.0	-3,165.8	-1,199.5	3,385.4	0.02	0.02	
9,700.0	0.38	236.11	8,854.0	-3,166.2	-1,200.0	3,385.9	0.02	0.02	
9,729.6	0.39	236.11	8,883.6	-3,166.3	-1,200.2	3,386.1	0.02	0.02	
9,800.0	0.39	236.11	8,954.0	-3,166.5	-1,200.6	3,386.5	0.00	0.00	
9,900.0	0.39	236.11	9,054.0	-3,166.9	-1,201.1	3,387.0	0.00	0.00	
10,000.0	0.39	236.11	9,154.0	-3,167.3	-1,201.7	3,387.6	0.00	0.00	
10,100.0	0.39	236.11	9,254.0	-3,167.7	-1,202.2	3,388.1	0.00	0.00	
10,200.0	0.39	236.11	9,354.0	-3,168.0	-1,202.8	3,388.7	0.00	0.00	
10,300.0	0.39	236.11	9,454.0	-3,168.4	-1,203.4	3,389.2	0.00	0.00	
10,400.0	0.39	236.11	9,554.0	-3,168.8	-1,203.9	3,389.8	0.00	0.00	
10,500.0	0.39	236.11	9,654.0	-3,169.2	-1,204.5	3,390.3	0.00	0.00	
10,600.0	0.39	236.11	9,754.0	-3,169.5	-1,205.0	3,390.9	0.00	0.00	
10,700.0	0.39	236.11	9,854.0	-3,169.9	-1,205.6	3,391.4	0.00	0.00	
10,800.0	0.39	236.11	9,954.0	-3,170.3	-1,206.1	3,392.0	0.00	0.00	
10,900.0	0.39	236.11	10,054.0	-3,170.7	-1,206.7	3,392.5	0.00	0.00	
11,000.0	0.39	236.11	10,154.0	-3,171.0	-1,207.3	3,393.1	0.00	0.00	
11,100.0	0.39	236.11	10,254.0	-3,171.4	-1,207.8	3,393.6	0.00	0.00	
11,200.0	0.39	236.11	10,354.0	-3,171.8	-1,208.4	3,394.2	0.00	0.00	
11,300.0	0.39	236.11	10,454.0	-3,172.2	-1,208.9	3,394.7	0.00	0.00	
11,400.0	0.39	236.11	10,554.0	-3,172.5	-1,209.5	3,395.3	0.00	0.00	
11,500.0	0.39	236.11	10,654.0	-3,172.9	-1,210.1	3,395.8	0.00	0.00	
11,536.0	0.39	236.11	10,690.0	-3,173.0	-1,210.3	3,396.0	0.00	0.00	TD @ 11,536' MD - ROLLINS
11,600.0	0.39	236.11	10,754.0	-3,173.3	-1,210.6	3,396.4	0.00	0.00	
11,700.0	0.39	236.11	10,854.0	-3,173.7	-1,211.2	3,396.9	0.00	0.00	
11,800.0	0.39	236.11	10,954.0	-3,174.0	-1,211.7	3,397.5	0.00	0.00	
11,825.0	0.39	236.11	10,979.0	-3,174.1	-1,211.9	3,397.6	0.00	0.00	COZZETTE
11,900.0	0.39	236.11	11,054.0	-3,174.4	-1,212.3	3,398.0	0.00	0.00	
11,996.0	0.39	236.11	11,150.0	-3,174.8	-1,212.8	3,398.5	0.00	0.00	CORCORAN
12,000.0	0.39	236.11	11,154.0	-3,174.8	-1,212.8	3,398.6	0.00	0.00	
12,100.0	0.39	236.11	11,254.0	-3,175.2	-1,213.4	3,399.1	0.00	0.00	
12,200.0	0.39	236.11	11,354.0	-3,175.5	-1,214.0	3,399.7	0.00	0.00	
12,284.0	0.39	236.11	11,438.0	-3,175.8	-1,214.4	3,400.1	0.00	0.00	UPPER SEGO
12,300.0	0.39	236.11	11,454.0	-3,175.9	-1,214.5	3,400.2	0.00	0.00	
12,400.0	0.39	236.11	11,554.0	-3,176.3	-1,215.1	3,400.8	0.00	0.00	
12,500.0	0.39	236.11	11,654.0	-3,176.7	-1,215.6	3,401.3	0.00	0.00	
12,600.0	0.39	236.11	11,754.0	-3,177.0	-1,216.2	3,401.9	0.00	0.00	
12,700.0	0.39	236.11	11,854.0	-3,177.4	-1,216.8	3,402.4	0.00	0.00	
12,800.0	0.39	236.11	11,954.0	-3,177.8	-1,217.3	3,403.0	0.00	0.00	
12,900.0	0.39	236.11	12,054.0	-3,178.2	-1,217.9	3,403.5	0.00	0.00	
13,000.0	0.39	236.11	12,154.0	-3,178.5	-1,218.4	3,404.1	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 UWF15E-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>	UWF15E-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)		
UWF15E-04 TGT	0.00	0.00	7,141.0	-3,163.0	-1,195.3	1,667,954.28	2,248,323.79	39° 38' 13.21 N	108° 10' 9.74 W
- plan hits target center									
- Point									
UWF15E-04 BHL	0.00	0.00	10,690.0	-3,173.0	-1,210.3	1,667,944.68	2,248,308.55	39° 38' 13.11 N	108° 10' 9.93 W
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,079.9	1,044.0	A GROOVE				
1,265.8	1,207.0	B GROOVE				
1,311.8	1,247.0	B GROOVE BASE				
2,214.9	2,033.0	GARDEN GULCH				
3,412.2	3,075.0	WASATCH FM				
5,779.3	5,135.0	WASATCH G				
7,986.9	7,141.0	WILLIAMS FORK				
11,536.0	10,690.0	ROLLINS				
11,825.0	10,979.0	COZZETTE				
11,996.0	11,150.0	CORCORAN				
12,284.0	11,438.0	UPPER SEGO				

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
150.0	150.0	0.0	0.0	KOP @ 150'
1,196.6	1,146.8	-243.4	-130.0	EOB @ Inc. = 29.51°
7,003.3	6,200.3	-2,930.3	-1,110.4	Start 3° Drop
7,986.9	7,141.0	-3,163.0	-1,195.3	EOD @ Inc. = 0°
11,536.0	10,690.0	-3,173.0	-1,210.3	TD @ 11,536' MD
13,000.0	12,154.0	-3,178.5	-1,218.4	Permit TD @ 13,000' MD