



Ursa Operating Company, LLC

Rio Blanco County, Colorado

Boies Ranch B-30H Pad (NAD 83)

Boies Ranch B-30H 41D-30-2-97

Wellbore #1

Plan: Design #1

Standard Planning Report

16 May, 2018



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Boies Ranch B-30H 41D-30-2-97
Company:	Ursa Operating Company, LLC	TVD Reference:	Boies Ranch B-30H 41D-30-2-97 @ 6296.0usft (Est 24' KB)
Project:	Rio Blanco County, Colorado	MD Reference:	Boies Ranch B-30H 41D-30-2-97 @ 6296.0usft (Est 24' KB)
Site:	Boies Ranch B-30H Pad (NAD 83)	North Reference:	True
Well:	Boies Ranch B-30H 41D-30-2-97	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Rio Blanco County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	Boies Ranch B-30H Pad (NAD 83)		
Site Position:		Northing:	1,199,379.72 usft
From:	Lat/Long	Easting:	2,208,579.09 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	39.846136141
		Longitude:	-108.319069358
		Grid Convergence:	-1.82 °

Well	Boies Ranch B-30H 41D-30-2-97, SHL: Lat 39.846136141 Long -108.319069358		
Well Position	+N/-S	0.0 usft	Northing: 1,199,379.72 usft
	+E/-W	0.0 usft	Easting: 2,208,579.09 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	39.846136141
		Longitude:	-108.319069358
		Ground Level:	6,272.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/15/2018	9.79	65.80	51,572

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	9.29

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,457.0	22.99	9.29	1,439.5	128.4	21.0	3.50	3.50	0.00	9.29	
6,070.6	22.99	9.29	5,686.5	1,906.9	311.9	0.00	0.00	0.00	0.00	
6,727.5	0.00	0.00	6,326.0	2,035.3	332.9	3.50	-3.50	0.00	180.00	41D-30-2-97 TGT
11,752.5	0.00	0.00	11,351.0	2,035.3	332.9	0.00	0.00	0.00	0.00	

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Site:	Boies Ranch B-30H Pad (NAD 83)	North Reference:	True
Well:	Boies Ranch B-30H 41D-30-2-97	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
0.1	0.00	0.00	0.1	0.0	0.0	0.0	0.00	0.00	0.00	
SHL 39.846136141, -108.319069358										
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
Start Build 3.50										
900.0	3.50	9.29	899.9	3.0	0.5	3.1	3.50	3.50	0.00	
994.5	6.81	9.29	994.0	11.4	1.9	11.5	3.50	3.50	0.00	
Mahogany Bench										
1,000.0	7.00	9.29	999.5	12.0	2.0	12.2	3.50	3.50	0.00	
1,052.0	8.82	9.29	1,051.0	19.1	3.1	19.4	3.50	3.50	0.00	
Dissolution Surface										
1,100.0	10.50	9.29	1,098.3	27.1	4.4	27.4	3.50	3.50	0.00	
1,200.0	14.00	9.29	1,196.0	48.0	7.8	48.6	3.50	3.50	0.00	
1,300.0	17.50	9.29	1,292.3	74.8	12.2	75.8	3.50	3.50	0.00	
1,400.0	21.00	9.29	1,386.7	107.3	17.5	108.7	3.50	3.50	0.00	
1,457.0	22.99	9.29	1,439.5	128.4	21.0	130.1	3.50	3.50	0.00	
Start 4613.6 hold at 1457.0 MD										
1,500.0	22.99	9.29	1,479.1	145.0	23.7	146.9	0.00	0.00	0.00	
1,600.0	22.99	9.29	1,571.1	183.5	30.0	185.9	0.00	0.00	0.00	
1,700.0	22.99	9.29	1,663.2	222.1	36.3	225.0	0.00	0.00	0.00	
1,800.0	22.99	9.29	1,755.3	260.6	42.6	264.1	0.00	0.00	0.00	
1,900.0	22.99	9.29	1,847.3	299.2	48.9	303.1	0.00	0.00	0.00	
2,000.0	22.99	9.29	1,939.4	337.7	55.2	342.2	0.00	0.00	0.00	
2,100.0	22.99	9.29	2,031.4	376.3	61.5	381.3	0.00	0.00	0.00	
2,200.0	22.99	9.29	2,123.5	414.8	67.8	420.3	0.00	0.00	0.00	
2,235.3	22.99	9.29	2,156.0	428.4	70.1	434.1	0.00	0.00	0.00	
Garden Gulch Mbr										
2,300.0	22.99	9.29	2,215.5	453.4	74.1	459.4	0.00	0.00	0.00	
2,400.0	22.99	9.29	2,307.6	491.9	80.4	498.4	0.00	0.00	0.00	
2,417.8	22.99	9.29	2,324.0	498.8	81.6	505.4	0.00	0.00	0.00	
Wasatch										
2,500.0	22.99	9.29	2,399.6	530.5	86.8	537.5	0.00	0.00	0.00	
2,600.0	22.99	9.29	2,491.7	569.0	93.1	576.6	0.00	0.00	0.00	
2,700.0	22.99	9.29	2,583.7	607.6	99.4	615.6	0.00	0.00	0.00	
2,800.0	22.99	9.29	2,675.8	646.1	105.7	654.7	0.00	0.00	0.00	
2,900.0	22.99	9.29	2,767.9	684.7	112.0	693.8	0.00	0.00	0.00	
3,000.0	22.99	9.29	2,859.9	723.2	118.3	732.8	0.00	0.00	0.00	
3,100.0	22.99	9.29	2,952.0	761.8	124.6	771.9	0.00	0.00	0.00	
3,200.0	22.99	9.29	3,044.0	800.3	130.9	810.9	0.00	0.00	0.00	
3,300.0	22.99	9.29	3,136.1	838.9	137.2	850.0	0.00	0.00	0.00	
3,400.0	22.99	9.29	3,228.1	877.4	143.5	889.1	0.00	0.00	0.00	
3,500.0	22.99	9.29	3,320.2	916.0	149.8	928.1	0.00	0.00	0.00	
3,600.0	22.99	9.29	3,412.2	954.5	156.1	967.2	0.00	0.00	0.00	
3,695.3	22.99	9.29	3,500.0	991.3	162.1	1,004.4	0.00	0.00	0.00	

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Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Surface Casing									
3,700.0	22.99	9.29	3,504.3	993.1	162.4	1,006.3	0.00	0.00	0.00
3,800.0	22.99	9.29	3,596.3	1,031.6	168.7	1,045.3	0.00	0.00	0.00
3,900.0	22.99	9.29	3,688.4	1,070.2	175.0	1,084.4	0.00	0.00	0.00
4,000.0	22.99	9.29	3,780.5	1,108.7	181.3	1,123.5	0.00	0.00	0.00
4,100.0	22.99	9.29	3,872.5	1,147.3	187.6	1,162.5	0.00	0.00	0.00
4,200.0	22.99	9.29	3,964.6	1,185.8	193.9	1,201.6	0.00	0.00	0.00
4,300.0	22.99	9.29	4,056.6	1,224.4	200.2	1,240.6	0.00	0.00	0.00
4,400.0	22.99	9.29	4,148.7	1,262.9	206.5	1,279.7	0.00	0.00	0.00
4,500.0	22.99	9.29	4,240.7	1,301.5	212.9	1,318.8	0.00	0.00	0.00
4,600.0	22.99	9.29	4,332.8	1,340.0	219.2	1,357.8	0.00	0.00	0.00
4,700.0	22.99	9.29	4,424.8	1,378.6	225.5	1,396.9	0.00	0.00	0.00
4,800.0	22.99	9.29	4,516.9	1,417.1	231.8	1,436.0	0.00	0.00	0.00
4,900.0	22.99	9.29	4,609.0	1,455.7	238.1	1,475.0	0.00	0.00	0.00
5,000.0	22.99	9.29	4,701.0	1,494.2	244.4	1,514.1	0.00	0.00	0.00
5,069.5	22.99	9.29	4,765.0	1,521.0	248.8	1,541.2	0.00	0.00	0.00
Ft Union									
5,100.0	22.99	9.29	4,793.1	1,532.8	250.7	1,553.1	0.00	0.00	0.00
5,200.0	22.99	9.29	4,885.1	1,571.3	257.0	1,592.2	0.00	0.00	0.00
5,300.0	22.99	9.29	4,977.2	1,609.9	263.3	1,631.3	0.00	0.00	0.00
5,400.0	22.99	9.29	5,069.2	1,648.4	269.6	1,670.3	0.00	0.00	0.00
5,500.0	22.99	9.29	5,161.3	1,687.0	275.9	1,709.4	0.00	0.00	0.00
5,600.0	22.99	9.29	5,253.3	1,725.5	282.2	1,748.5	0.00	0.00	0.00
5,700.0	22.99	9.29	5,345.4	1,764.1	288.5	1,787.5	0.00	0.00	0.00
5,800.0	22.99	9.29	5,437.4	1,802.6	294.8	1,826.6	0.00	0.00	0.00
5,900.0	22.99	9.29	5,529.5	1,841.2	301.1	1,865.6	0.00	0.00	0.00
6,000.0	22.99	9.29	5,621.6	1,879.7	307.4	1,904.7	0.00	0.00	0.00
6,070.6	22.99	9.29	5,686.5	1,906.9	311.9	1,932.3	0.00	0.00	0.00
Start Drop -3.50									
6,100.0	21.96	9.29	5,713.7	1,918.0	313.7	1,943.5	3.50	-3.50	0.00
6,200.0	18.46	9.29	5,807.5	1,952.1	319.3	1,978.1	3.50	-3.50	0.00
6,300.0	14.96	9.29	5,903.3	1,980.5	323.9	2,006.8	3.50	-3.50	0.00
6,400.0	11.46	9.29	6,000.6	2,003.1	327.6	2,029.7	3.50	-3.50	0.00
6,500.0	7.96	9.29	6,099.2	2,019.7	330.3	2,046.6	3.50	-3.50	0.00
6,537.1	6.67	9.29	6,136.0	2,024.4	331.1	2,051.3	3.50	-3.50	0.00
Ohio Creek									
6,600.0	4.46	9.29	6,198.6	2,030.4	332.1	2,057.4	3.50	-3.50	0.00
6,700.0	0.96	9.29	6,298.5	2,035.1	332.8	2,062.1	3.50	-3.50	0.00
6,727.5	0.00	0.00	6,326.0	2,035.3	332.9	2,062.3	3.50	-3.50	-33.72
Start 5025.0 hold at 6727.5 MD - Back to Vertical - Williams Fork - Top of Gas - 41D-30-2-97 TGT									
6,800.0	0.00	0.00	6,398.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
6,900.0	0.00	0.00	6,498.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,598.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
7,100.0	0.00	0.00	6,698.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
7,200.0	0.00	0.00	6,798.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
7,300.0	0.00	0.00	6,898.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
7,400.0	0.00	0.00	6,998.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,098.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,198.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,298.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,398.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00

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Wellbore:	Wellbore #1		
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Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,900.0	0.00	0.00	7,498.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,598.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
8,100.0	0.00	0.00	7,698.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
8,200.0	0.00	0.00	7,798.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
8,300.0	0.00	0.00	7,898.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
8,400.0	0.00	0.00	7,998.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
8,500.0	0.00	0.00	8,098.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
8,600.0	0.00	0.00	8,198.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
8,700.0	0.00	0.00	8,298.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
8,800.0	0.00	0.00	8,398.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
8,900.0	0.00	0.00	8,498.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
9,000.0	0.00	0.00	8,598.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
9,100.0	0.00	0.00	8,698.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
9,200.0	0.00	0.00	8,798.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
9,300.0	0.00	0.00	8,898.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
9,400.0	0.00	0.00	8,998.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
9,500.0	0.00	0.00	9,098.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
9,600.0	0.00	0.00	9,198.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
9,700.0	0.00	0.00	9,298.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
9,800.0	0.00	0.00	9,398.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
9,836.5	0.00	0.00	9,435.0	2,035.3	332.9	2,062.3	0.00	0.00	0.00
Cameo									
9,900.0	0.00	0.00	9,498.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
10,000.0	0.00	0.00	9,598.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
10,100.0	0.00	0.00	9,698.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
10,200.0	0.00	0.00	9,798.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
10,300.0	0.00	0.00	9,898.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
10,400.0	0.00	0.00	9,998.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
10,462.5	0.00	0.00	10,061.0	2,035.3	332.9	2,062.3	0.00	0.00	0.00
Rollins									
10,500.0	0.00	0.00	10,098.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
10,525.5	0.00	0.00	10,124.0	2,035.3	332.9	2,062.3	0.00	0.00	0.00
Cozzette									
10,600.0	0.00	0.00	10,198.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
10,700.0	0.00	0.00	10,298.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
10,800.0	0.00	0.00	10,398.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
10,859.5	0.00	0.00	10,458.0	2,035.3	332.9	2,062.3	0.00	0.00	0.00
Corcoran									
10,900.0	0.00	0.00	10,498.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
11,000.0	0.00	0.00	10,598.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
11,100.0	0.00	0.00	10,698.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
11,200.0	0.00	0.00	10,798.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
11,300.0	0.00	0.00	10,898.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
11,400.0	0.00	0.00	10,998.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
11,500.0	0.00	0.00	11,098.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
11,600.0	0.00	0.00	11,198.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
11,700.0	0.00	0.00	11,298.5	2,035.3	332.9	2,062.3	0.00	0.00	0.00
11,752.5	0.00	0.00	11,351.0	2,035.3	332.9	2,062.3	0.00	0.00	0.00
TD at 11752.5 - BHL 39.8517234, -108.3178838									

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Boies Ranch B-30H 41D-30-2-97
Company:	Ursa Operating Company, LLC	TVD Reference:	Boies Ranch B-30H 41D-30-2-97 @ 6296.0usft (Est 24' KB)
Project:	Rio Blanco County, Colorado	MD Reference:	Boies Ranch B-30H 41D-30-2-97 @ 6296.0usft (Est 24' KB)
Site:	Boies Ranch B-30H Pad (NAD 83)	North Reference:	True
Well:	Boies Ranch B-30H 41D-30-2-97	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
41D-30-2-97 TGT	0.00	0.00	6,326.0	2,035.3	332.9	1,201,403.39	2,208,976.48	39.851723400	-108.317883800
- plan hits target center									
- Rectangle (sides W100.0 H40.0 D5,025.0)									

Formations

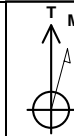
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
994.5	994.0	Mahogany Bench		0.00	
1,052.0	1,051.0	Dissolution Surface		0.00	
2,235.3	2,156.0	Garden Gulch Mbr		0.00	
2,417.8	2,324.0	Wasatch		0.00	
5,069.5	4,765.0	Ft Union		0.00	
6,537.1	6,136.0	Ohio Creek		0.00	
6,727.5	6,326.0	Williams Fork		0.00	
6,727.5	6,326.0	Top of Gas		0.00	
9,836.5	9,435.0	Cameo		0.00	
10,462.5	10,061.0	Rollins		0.00	
10,525.5	10,124.0	Cozzette		0.00	
10,859.5	10,458.0	Corcoran		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
0.1	0.1	0.0	0.0	SHL 39.846136141, -108.319069358
800.0	800.0	0.0	0.0	Start Build 3.50
1,457.0	1,439.5	128.4	21.0	Start 4613.6 hold at 1457.0 MD
3,695.3	3,500.0	991.3	162.1	Surface Casing
6,070.6	5,686.5	1,906.9	311.9	Start Drop -3.50
6,727.5	6,326.0	2,035.3	332.9	Start 5025.0 hold at 6727.5 MD
6,727.5	6,326.0	2,035.3	332.9	Back to Vertical
11,752.5	11,351.0	2,035.3	332.9	TD at 11752.5
11,752.5	11,351.0	2,035.3	332.9	BHL 39.8517234, -108.3178838



Well Name:Boies Ranch B-30H 41D-30-2-97
Surface Location: Boies Ranch B-30H Pad (NAD 83)
North American Datum 1983 US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 6272.0
+N/-S +E/-W Northing Easting Latitude Longitude
0.0 0.0 1199379.73 2208579.09 39.846136141 -108.319069358
Est 24' KB Boies Ranch B-30H 41D-30-2-97 @ 6296.0usft (Est 24' KB)



Azimuths to True North
Magnetic North: 9.79°
Magnetic Field
Strength: 51571.5nT
Dip Angle: 65.80°
Date: 5/15/2018
Model: IGRF2015

Boies Ranch B-30H Pad (NAD 83)
Boies Ranch B-30H 41D-30-2-97
Design #1
7:58, May 16 2018

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Eastng	Latitude	Longitude	Shape
41D-30-2-97 TGT	6326.0	2035.3	332.9	1201403.39	2208976.48	39.851723400	-108.317883800	Rectangle (Sides: L40.0 W100.0)

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	800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.0	
3	1457.0	22.99	9.29	1439.5	128.4	21.0	3.50	9.29	130.1	
4	6070.6	22.99	9.29	5686.5	1906.9	311.9	0.00	0.00	1932.3	
5	6727.5	0.00	0.00	6326.0	2035.3	332.9	3.50	180.00	2062.3	41D-30-2-97 TGT
6	11752.5	0.00	0.00	11351.0	2035.3	332.9	0.00	0.00	2062.3	

ANNOTATIONS

TVD	MD	Annotation
0.1	0.1	SHL 39.846136141, -108.319069358
800.0	800.0	Start Build 3.50
1439.5	1457.0	Start 4613.6 hold at 1457.0 MD
3500.0	3695.3	Surface Casing
5686.5	6070.6	Start Drop -3.50
6326.0	6727.5	Start 5025.0 hold at 6727.5 MD
6326.0	6727.5	Back to Vertical
11351.0	11752.5	TD at 11752.5
11351.0	11752.5	BHL 39.8517234, -108.3178838

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
994.0	994.5	Mahogany Bench	0.00	
1051.0	1052.0	Dissolution Surface	0.00	
2156.0	2235.3	Garden Gulch Mbr	0.00	
2324.0	2417.8	Wasatch	0.00	
4765.0	5069.5	Ft Union	0.00	
6136.0	6537.1	Ohio Creek	0.00	
6326.0	6727.5	Top of Gas	0.00	
6326.0	6727.5	Williams Fork	0.00	
9435.0	9836.5	Cameo	0.00	
10061.0	10462.5	Rollins	0.00	
10124.0	10525.5	Cozzette	0.00	
10458.0	10859.5	Corcoran	0.00	

