Ursa Operating Company, LLC

Rio Blanco County, Colorado
Boies Ranch B-30H Pad (NAD 83)
Boies Ranch B-30H 42A-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 42A-30-2-97
Company:	Ursa Operating Company, LLC	**TVD Reference:**	Boies Ranch B-30H 42A-30-2-97 @ 6296.0usft (Est 24' KB)
Project:	Rio Blanco County, Colorado	**MD Reference:**	Boies Ranch B-30H 42A-30-2-97 @ 6296.0usft (Est 24' KB)
Site:	Boies Ranch B-30H Pad (NAD 83)	**North Reference:**	True
Well:	Boies Ranch B-30H 42A-30-2-97	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
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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	**Latitude:**	39.846136141
From:	Lat/Long	**Easting:**	2,208,579.09 usft	**Longitude:**	-108.319069358
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	-1.82 °

Well Boies Ranch B-30H 42A-30-2-97, SHL: Lat 39.846093495 Long -108.319114189

Well Position	**+N/-S**	-15.5 usft	**Northing:**	1,199,364.60 usft	**Latitude:**	39.846093495
	+E/-W	-12.6 usft	**Easting:**	2,208,566.02 usft	**Longitude:**	-108.319114189
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	0.0 usft	**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	51,571

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	11.74

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	
1,357.4	19.51	11.74	1,346.7	92.0	19.1	3.50	3.50	0.00	11.74	
6,058.9	19.51	11.74	5,778.3	1,629.3	338.5	0.00	0.00	0.00	0.00	
6,616.3	0.00	0.00	6,325.0	1,721.3	357.6	3.50	-3.50	0.00	180.00	42A-30-2-97 TGT
11,641.3	0.00	0.00	11,350.0	1,721.3	357.6	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 42A-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 39.846093495, -108.319114189									
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	11.74	899.9	3.0	0.6	3.1	3.50	3.50	0.00
993.4	6.77	11.74	993.0	11.2	2.3	11.4	3.50	3.50	0.00
Mahogany Bench									
1,000.0	7.00	11.74	999.5	11.9	2.5	12.2	3.50	3.50	0.00
1,051.0	8.78	11.74	1,050.0	18.8	3.9	19.2	3.50	3.50	0.00
Dissolution Surface									
1,100.0	10.50	11.74	1,098.3	26.8	5.6	27.4	3.50	3.50	0.00
1,200.0	14.00	11.74	1,196.0	47.6	9.9	48.6	3.50	3.50	0.00
1,300.0	17.50	11.74	1,292.3	74.2	15.4	75.8	3.50	3.50	0.00
1,357.4	19.51	11.74	1,346.7	92.0	19.1	94.0	3.50	3.50	0.00
Start 4701.5 hold at 1357.4 MD									
1,400.0	19.51	11.74	1,386.8	105.9	22.0	108.2	0.00	0.00	0.00
1,500.0	19.51	11.74	1,481.1	138.6	28.8	141.6	0.00	0.00	0.00
1,600.0	19.51	11.74	1,575.4	171.3	35.6	175.0	0.00	0.00	0.00
1,700.0	19.51	11.74	1,669.6	204.0	42.4	208.4	0.00	0.00	0.00
1,800.0	19.51	11.74	1,763.9	236.7	49.2	241.8	0.00	0.00	0.00
1,900.0	19.51	11.74	1,858.1	269.4	56.0	275.2	0.00	0.00	0.00
2,000.0	19.51	11.74	1,952.4	302.1	62.8	308.6	0.00	0.00	0.00
2,100.0	19.51	11.74	2,046.7	334.8	69.6	342.0	0.00	0.00	0.00
2,200.0	19.51	11.74	2,140.9	367.5	76.4	375.4	0.00	0.00	0.00
2,214.9	19.51	11.74	2,155.0	372.4	77.4	380.4	0.00	0.00	0.00
Garden Gulch Mbr									
2,300.0	19.51	11.74	2,235.2	400.2	83.2	408.8	0.00	0.00	0.00
2,393.2	19.51	11.74	2,323.0	430.7	89.5	439.9	0.00	0.00	0.00
Wasatch									
2,400.0	19.51	11.74	2,329.4	432.9	89.9	442.2	0.00	0.00	0.00
2,500.0	19.51	11.74	2,423.7	465.6	96.7	475.6	0.00	0.00	0.00
2,600.0	19.51	11.74	2,518.0	498.3	103.5	509.0	0.00	0.00	0.00
2,700.0	19.51	11.74	2,612.2	531.0	110.3	542.3	0.00	0.00	0.00
2,800.0	19.51	11.74	2,706.5	563.7	117.1	575.7	0.00	0.00	0.00
2,900.0	19.51	11.74	2,800.7	596.4	123.9	609.1	0.00	0.00	0.00
3,000.0	19.51	11.74	2,895.0	629.1	130.7	642.5	0.00	0.00	0.00
3,100.0	19.51	11.74	2,989.2	661.8	137.5	675.9	0.00	0.00	0.00
3,200.0	19.51	11.74	3,083.5	694.5	144.3	709.3	0.00	0.00	0.00
3,300.0	19.51	11.74	3,177.8	727.2	151.1	742.7	0.00	0.00	0.00
3,400.0	19.51	11.74	3,272.0	759.9	157.9	776.1	0.00	0.00	0.00
3,500.0	19.51	11.74	3,366.3	792.6	164.7	809.5	0.00	0.00	0.00
3,600.0	19.51	11.74	3,460.5	825.3	171.5	842.9	0.00	0.00	0.00
3,641.9	19.51	11.74	3,500.0	839.0	174.3	856.9	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	19.51	11.74	3,554.8	858.0	178.3	876.3	0.00	0.00	0.00
3,800.0	19.51	11.74	3,649.1	890.7	185.1	909.7	0.00	0.00	0.00
3,900.0	19.51	11.74	3,743.3	923.4	191.9	943.1	0.00	0.00	0.00
4,000.0	19.51	11.74	3,837.6	956.1	198.6	976.5	0.00	0.00	0.00
4,100.0	19.51	11.74	3,931.8	988.8	205.4	1,009.9	0.00	0.00	0.00
4,200.0	19.51	11.74	4,026.1	1,021.5	212.2	1,043.3	0.00	0.00	0.00
4,300.0	19.51	11.74	4,120.4	1,054.2	219.0	1,076.7	0.00	0.00	0.00
4,400.0	19.51	11.74	4,214.6	1,086.8	225.8	1,110.1	0.00	0.00	0.00
4,500.0	19.51	11.74	4,308.9	1,119.5	232.6	1,143.5	0.00	0.00	0.00
4,600.0	19.51	11.74	4,403.1	1,152.2	239.4	1,176.9	0.00	0.00	0.00
4,700.0	19.51	11.74	4,497.4	1,184.9	246.2	1,210.2	0.00	0.00	0.00
4,800.0	19.51	11.74	4,591.7	1,217.6	253.0	1,243.6	0.00	0.00	0.00
4,900.0	19.51	11.74	4,685.9	1,250.3	259.8	1,277.0	0.00	0.00	0.00
4,982.8	19.51	11.74	4,764.0	1,277.4	265.4	1,304.7	0.00	0.00	0.00
Ft Union									
5,000.0	19.51	11.74	4,780.2	1,283.0	266.6	1,310.4	0.00	0.00	0.00
5,100.0	19.51	11.74	4,874.4	1,315.7	273.4	1,343.8	0.00	0.00	0.00
5,200.0	19.51	11.74	4,968.7	1,348.4	280.2	1,377.2	0.00	0.00	0.00
5,300.0	19.51	11.74	5,062.9	1,381.1	287.0	1,410.6	0.00	0.00	0.00
5,400.0	19.51	11.74	5,157.2	1,413.8	293.8	1,444.0	0.00	0.00	0.00
5,500.0	19.51	11.74	5,251.5	1,446.5	300.6	1,477.4	0.00	0.00	0.00
5,600.0	19.51	11.74	5,345.7	1,479.2	307.3	1,510.8	0.00	0.00	0.00
5,700.0	19.51	11.74	5,440.0	1,511.9	314.1	1,544.2	0.00	0.00	0.00
5,800.0	19.51	11.74	5,534.2	1,544.6	320.9	1,577.6	0.00	0.00	0.00
5,900.0	19.51	11.74	5,628.5	1,577.3	327.7	1,611.0	0.00	0.00	0.00
6,000.0	19.51	11.74	5,722.8	1,610.0	334.5	1,644.4	0.00	0.00	0.00
6,058.9	19.51	11.74	5,778.3	1,629.3	338.5	1,664.1	0.00	0.00	0.00
Start Drop -3.50									
6,100.0	18.07	11.74	5,817.2	1,642.2	341.2	1,677.3	3.50	-3.50	0.00
6,200.0	14.57	11.74	5,913.1	1,669.7	346.9	1,705.4	3.50	-3.50	0.00
6,300.0	11.07	11.74	6,010.6	1,691.5	351.4	1,727.6	3.50	-3.50	0.00
6,400.0	7.57	11.74	6,109.3	1,707.3	354.7	1,743.8	3.50	-3.50	0.00
6,425.9	6.67	11.74	6,135.0	1,710.5	355.4	1,747.0	3.50	-3.50	0.00
Ohio Creek									
6,500.0	4.07	11.74	6,208.8	1,717.2	356.8	1,753.9	3.50	-3.50	0.00
6,600.0	0.57	11.74	6,308.7	1,721.2	357.6	1,758.0	3.50	-3.50	0.00
6,616.3	0.00	0.00	6,325.0	1,721.3	357.6	1,758.0	3.50	-3.50	0.00
Back to Vertical - Start 5025.0 hold at 6616.3 MD - Williams Fork - Top of Gas - 42A-30-2-97 TGT									
6,700.0	0.00	0.00	6,408.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,508.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,608.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,708.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
7,100.0	0.00	0.00	6,808.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
7,200.0	0.00	0.00	6,908.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,008.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,108.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,208.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,308.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,408.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,508.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00

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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	7,608.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,708.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
8,100.0	0.00	0.00	7,808.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
8,200.0	0.00	0.00	7,908.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,008.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,108.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,208.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,308.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,408.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,508.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,608.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,708.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
9,100.0	0.00	0.00	8,808.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
9,200.0	0.00	0.00	8,908.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,008.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,108.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,208.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,308.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,408.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
9,725.3	0.00	0.00	9,434.0	1,721.3	357.6	1,758.0	0.00	0.00	0.00
Cameo									
9,800.0	0.00	0.00	9,508.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,608.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
10,000.0	0.00	0.00	9,708.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
10,100.0	0.00	0.00	9,808.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
10,200.0	0.00	0.00	9,908.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,008.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
10,351.3	0.00	0.00	10,060.0	1,721.3	357.6	1,758.0	0.00	0.00	0.00
Rollins									
10,400.0	0.00	0.00	10,108.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
10,414.3	0.00	0.00	10,123.0	1,721.3	357.6	1,758.0	0.00	0.00	0.00
Cozzette									
10,500.0	0.00	0.00	10,208.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,308.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,408.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
10,748.3	0.00	0.00	10,457.0	1,721.3	357.6	1,758.0	0.00	0.00	0.00
Corcoran									
10,800.0	0.00	0.00	10,508.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,608.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
11,000.0	0.00	0.00	10,708.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
11,100.0	0.00	0.00	10,808.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
11,200.0	0.00	0.00	10,908.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,008.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
11,400.0	0.00	0.00	11,108.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
11,500.0	0.00	0.00	11,208.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
11,600.0	0.00	0.00	11,308.7	1,721.3	357.6	1,758.0	0.00	0.00	0.00
11,641.3	0.00	0.00	11,350.0	1,721.3	357.6	1,758.0	0.00	0.00	0.00
TD at 11641.3 - BHL 39.8508187, -108.3178404									

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well Boies Ranch B-30H 42A-30-2-97
Company:	Ursa Operating Company, LLC	**TVD Reference:**	Boies Ranch B-30H 42A-30-2-97 @ 6296.0usft (Est 24' KB)
Project:	Rio Blanco County, Colorado	**MD Reference:**	Boies Ranch B-30H 42A-30-2-97 @ 6296.0usft (Est 24' KB)
Site:	Boies Ranch B-30H Pad (NAD 83)	**North Reference:**	True
Well:	Boies Ranch B-30H 42A-30-2-97	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
42A-30-2-97 TGT - plan hits target center - Rectangle (sides W100.0 H40.0 D5,025.0)	0.00	0.00	6,325.0	1,721.3	357.6	1,201,073.61	2,208,978.18	39.850818700	-108.317840400

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
993.4	993.0	Mahogany Bench		0.00	
1,051.0	1,050.0	Dissolution Surface		0.00	
2,214.9	2,155.0	Garden Gulch Mbr		0.00	
2,393.2	2,323.0	Wasatch		0.00	
4,982.8	4,764.0	Ft Union		0.00	
6,425.9	6,135.0	Ohio Creek		0.00	
6,616.3	6,325.0	Williams Fork		0.00	
6,616.3	6,325.0	Top of Gas		0.00	
9,725.3	9,434.0	Cameo		0.00	
10,351.3	10,060.0	Rollins		0.00	
10,414.3	10,123.0	Cozzette		0.00	
10,748.3	10,457.0	Corcoran		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
0.1	0.1	0.0	0.0	SHL 39.846093495, -108.319114189
800.0	800.0	0.0	0.0	Start Build 3.50
1,357.4	1,346.7	92.0	19.1	Start 4701.5 hold at 1357.4 MD
3,641.9	3,500.0	839.0	174.3	Surface Casing
6,058.9	5,778.3	1,629.3	338.5	Start Drop -3.50
6,616.3	6,325.0	1,721.3	357.6	Back to Vertical
6,616.3	6,325.0	1,721.3	357.6	Start 5025.0 hold at 6616.3 MD
11,641.3	11,350.0	1,721.3	357.6	TD at 11641.3
11,641.3	11,350.0	1,721.3	357.6	BHL 39.8508187, -108.3178404

Ursa OPERATING COMPANY

Well Name:Boies Ranch B-30H 42A-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	Slot
0.0	0.0	1199364.60	2208566.02	39.846093495	-108.319114189	

Est 24' KB Boies Ranch B-30H 42A-30-2-97 @ 6296.0usft (Est 24' KB)

T M

Azimuths to True North
Magnetic North: 9.79°

Magnetic Field
Strength: 51571.5snT
Dip Angle: 65.80°
Date: 5/15/2018
Model: IGRF2015

Boies Ranch B-30H Pad (NAD 83)
Boies Ranch B-30H 42A-30-2-97
Design #1
8:08, May 16 2018

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
42A-30-2-97 TGT	6325.0	1721.3	357.6	1201073.62	2208978.18	39.850818700	-108.317840400	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	1357.4	19.51	11.74	1346.7	92.0	19.1	3.50	11.74	94.0	
4	6058.9	19.51	11.74	5778.3	1629.3	338.5	0.00	0.00	1664.1	
5	6616.3	0.00	0.00	6325.0	1721.3	357.6	3.50	180.00	1758.0	42A-30-2-97 TGT
6	11641.3	0.00	0.00	11350.0	1721.3	357.6	0.00	0.00	1758.0	

ANNOTATIONS

TVD	MD	Annotation
0.1	0.1	SHL 39.846093495, -108.319114189
800.0	800.0	Start Build 3.50
1346.7	1357.4	Start 4701.5 hold at 1357.4 MD
3500.0	3641.9	Surface Casing
5778.3	6058.9	Start Drop -3.50
6325.0	6616.3	Back to Vertical
6325.0	6616.3	Start 5025.0 hold at 6616.3 MD
11350.0	11641.3	TD at 11641.3
11350.0	11641.3	BHL 39.8508187, -108.3178404

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
993.0	993.4	Mahogany Bench	0.00	
1050.0	1051.0	Dissolution Surface	0.00	
2155.0	2214.9	Garden Gulch Mbr	0.00	
2323.0	2393.2	Wasatch	0.00	
4764.0	4982.8	Ft Union	0.00	
6135.0	6425.9	Ohio Creek	0.00	
6325.0	6616.3	Top of Gas	0.00	
6325.0	6616.3	Williams Fork	0.00	
9434.0	9725.3	Cameo	0.00	
10060.0	10351.3	Rollins	0.00	
10123.0	10414.3	Cozzette	0.00	
10457.0	10748.3	Corcoran	0.00	



