



Ursa Operating Company, LLC

Rio Blanco County, Colorado

BR C-240

BR C-240 43A-24-2-98

Wellbore #1

Plan: Design #1

Standard Planning Report

18 January, 2017



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BR C-240 43A-24-2-98
Company:	Ursa Operating Company, LLC	TVD Reference:	BR C-240 43A-24-2-98 @ 6332.5usft (Est KB)
Project:	Rio Blanco County, Colorado	MD Reference:	BR C-240 43A-24-2-98 @ 6332.5usft (Est KB)
Site:	BR C-240	North Reference:	True
Well:	BR C-240 43A-24-2-98	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	BR C-240		
Site Position:		Northing:	1,203,233.70 usft
From:	Map	Easting:	2,203,189.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	39.856238800
		Longitude:	-108.338695300
		Grid Convergence:	-1.83 °

Well	BR C-240 43A-24-2-98, SHL: 39.8562812, -108.3388647		
Well Position	+N/-S	15.4 usft	Northing:
	+E/-W	-47.6 usft	Easting:
Position Uncertainty	0.0 usft		Wellhead Elevation:
			6,332.5 usft
			Latitude:
			39.856281200
			Longitude:
			-108.338864700
			Ground Level:
			6,304.5 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/14/2017	9.94	65.83	51,723

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	14.74	

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	
1,150.0	0.00	0.00	1,150.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,878.6	25.50	14.74	1,854.8	154.2	40.6	3.50	3.50	0.00	14.74	
5,698.1	25.50	14.74	5,302.2	1,744.5	458.9	0.00	0.00	0.00	0.00	
6,426.7	0.00	0.00	6,007.0	1,898.7	499.5	3.50	-3.50	0.00	180.00	43A-24-2-98 TGT
11,230.7	0.00	0.00	10,811.0	1,898.7	499.5	0.00	0.00	0.00	0.00	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BR C-240 43A-24-2-98
Company:	Ursa Operating Company, LLC	TVD Reference:	BR C-240 43A-24-2-98 @ 6332.5usft (Est KB)
Project:	Rio Blanco County, Colorado	MD Reference:	BR C-240 43A-24-2-98 @ 6332.5usft (Est KB)
Site:	BR C-240	North Reference:	True
Well:	BR C-240 43A-24-2-98	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 39.8562812 -108.3388647										
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	
675.0	0.00	0.00	675.0	0.0	0.0	0.0	0.00	0.00	0.00	
Green River Fm - Mahogany Bench										
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
732.0	0.00	0.00	732.0	0.0	0.0	0.0	0.00	0.00	0.00	
Dissolution Surface										
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,150.0	0.00	0.00	1,150.0	0.0	0.0	0.0	0.00	0.00	0.00	
Start Build 3.50										
1,200.0	1.75	14.74	1,200.0	0.7	0.2	0.8	3.50	3.50	0.00	
1,300.0	5.25	14.74	1,299.8	6.6	1.7	6.9	3.50	3.50	0.00	
1,400.0	8.75	14.74	1,399.0	18.4	4.8	19.1	3.50	3.50	0.00	
1,500.0	12.25	14.74	1,497.3	36.0	9.5	37.3	3.50	3.50	0.00	
1,600.0	15.75	14.74	1,594.4	59.4	15.6	61.5	3.50	3.50	0.00	
1,700.0	19.25	14.74	1,689.7	88.5	23.3	91.5	3.50	3.50	0.00	
1,800.0	22.75	14.74	1,783.1	123.2	32.4	127.4	3.50	3.50	0.00	
1,859.0	24.81	14.74	1,837.0	146.2	38.4	151.1	3.50	3.50	0.00	
Green River Fm - Garden Gulch Mbr										
1,878.6	25.50	14.74	1,854.8	154.2	40.6	159.5	3.50	3.50	0.00	
Start 3819.6 hold at 1878.6 MD										
1,900.0	25.50	14.74	1,874.1	163.1	42.9	168.7	0.00	0.00	0.00	
2,000.0	25.50	14.74	1,964.4	204.8	53.9	211.7	0.00	0.00	0.00	
2,045.0	25.50	14.74	2,005.0	223.5	58.8	231.1	0.00	0.00	0.00	
Wasatch										
2,100.0	25.50	14.74	2,054.6	246.4	64.8	254.8	0.00	0.00	0.00	
2,200.0	25.50	14.74	2,144.9	288.0	75.8	297.9	0.00	0.00	0.00	
2,300.0	25.50	14.74	2,235.1	329.7	86.7	340.9	0.00	0.00	0.00	
2,400.0	25.50	14.74	2,325.4	371.3	97.7	384.0	0.00	0.00	0.00	
2,500.0	25.50	14.74	2,415.6	413.0	108.6	427.0	0.00	0.00	0.00	
2,600.0	25.50	14.74	2,505.9	454.6	119.6	470.1	0.00	0.00	0.00	
2,700.0	25.50	14.74	2,596.2	496.2	130.5	513.1	0.00	0.00	0.00	
2,800.0	25.50	14.74	2,686.4	537.9	141.5	556.2	0.00	0.00	0.00	
2,900.0	25.50	14.74	2,776.7	579.5	152.4	599.2	0.00	0.00	0.00	
3,000.0	25.50	14.74	2,866.9	621.1	163.4	642.3	0.00	0.00	0.00	
3,100.0	25.50	14.74	2,957.2	662.8	174.4	685.3	0.00	0.00	0.00	
3,200.0	25.50	14.74	3,047.5	704.4	185.3	728.4	0.00	0.00	0.00	
3,300.0	25.50	14.74	3,137.7	746.0	196.3	771.4	0.00	0.00	0.00	
3,400.0	25.50	14.74	3,228.0	787.7	207.2	814.5	0.00	0.00	0.00	
3,500.0	25.50	14.74	3,318.2	829.3	218.2	857.5	0.00	0.00	0.00	
3,600.0	25.50	14.74	3,408.5	870.9	229.1	900.6	0.00	0.00	0.00	
3,700.0	25.50	14.74	3,498.7	912.6	240.1	943.6	0.00	0.00	0.00	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BR C-240 43A-24-2-98
Company:	Ursa Operating Company, LLC	TVD Reference:	BR C-240 43A-24-2-98 @ 6332.5usft (Est KB)
Project:	Rio Blanco County, Colorado	MD Reference:	BR C-240 43A-24-2-98 @ 6332.5usft (Est KB)
Site:	BR C-240	North Reference:	True
Well:	BR C-240 43A-24-2-98	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)
3,701.4	25.50	14.74	3,500.0	913.2	240.2	944.2	0.00	0.00	0.00
Surface Casing									
3,800.0	25.50	14.74	3,589.0	954.2	251.0	986.7	0.00	0.00	0.00
3,900.0	25.50	14.74	3,679.3	995.8	262.0	1,029.7	0.00	0.00	0.00
4,000.0	25.50	14.74	3,769.5	1,037.5	272.9	1,072.8	0.00	0.00	0.00
4,100.0	25.50	14.74	3,859.8	1,079.1	283.9	1,115.8	0.00	0.00	0.00
4,200.0	25.50	14.74	3,950.0	1,120.7	294.8	1,158.9	0.00	0.00	0.00
4,300.0	25.50	14.74	4,040.3	1,162.4	305.8	1,201.9	0.00	0.00	0.00
4,400.0	25.50	14.74	4,130.6	1,204.0	316.7	1,245.0	0.00	0.00	0.00
4,500.0	25.50	14.74	4,220.8	1,245.7	327.7	1,288.0	0.00	0.00	0.00
4,600.0	25.50	14.74	4,311.1	1,287.3	338.6	1,331.1	0.00	0.00	0.00
4,700.0	25.50	14.74	4,401.3	1,328.9	349.6	1,374.1	0.00	0.00	0.00
4,749.5	25.50	14.74	4,446.0	1,349.5	355.0	1,395.4	0.00	0.00	0.00
Ft Union									
4,800.0	25.50	14.74	4,491.6	1,370.6	360.6	1,417.2	0.00	0.00	0.00
4,900.0	25.50	14.74	4,581.8	1,412.2	371.5	1,460.2	0.00	0.00	0.00
5,000.0	25.50	14.74	4,672.1	1,453.8	382.5	1,503.3	0.00	0.00	0.00
5,100.0	25.50	14.74	4,762.4	1,495.5	393.4	1,546.3	0.00	0.00	0.00
5,200.0	25.50	14.74	4,852.6	1,537.1	404.4	1,589.4	0.00	0.00	0.00
5,300.0	25.50	14.74	4,942.9	1,578.7	415.3	1,632.4	0.00	0.00	0.00
5,400.0	25.50	14.74	5,033.1	1,620.4	426.3	1,675.5	0.00	0.00	0.00
5,500.0	25.50	14.74	5,123.4	1,662.0	437.2	1,718.6	0.00	0.00	0.00
5,600.0	25.50	14.74	5,213.7	1,703.6	448.2	1,761.6	0.00	0.00	0.00
5,698.1	25.50	14.74	5,302.2	1,744.5	458.9	1,803.9	0.00	0.00	0.00
Start Drop -3.50									
5,700.0	25.44	14.74	5,303.9	1,745.3	459.1	1,804.7	3.50	-3.50	0.00
5,800.0	21.94	14.74	5,395.5	1,784.1	469.3	1,844.8	3.50	-3.50	0.00
5,900.0	18.44	14.74	5,489.3	1,817.5	478.1	1,879.3	3.50	-3.50	0.00
6,000.0	14.94	14.74	5,585.1	1,845.2	485.4	1,908.0	3.50	-3.50	0.00
6,100.0	11.44	14.74	5,682.4	1,867.3	491.2	1,930.8	3.50	-3.50	0.00
6,200.0	7.94	14.74	5,781.0	1,883.6	495.5	1,947.7	3.50	-3.50	0.00
6,236.3	6.67	14.74	5,817.0	1,888.0	496.7	1,952.3	3.50	-3.50	0.00
Ohio Creek									
6,300.0	4.44	14.74	5,880.4	1,894.0	498.3	1,958.4	3.50	-3.50	0.00
6,400.0	0.94	14.74	5,980.3	1,898.5	499.4	1,963.1	3.50	-3.50	0.00
6,426.7	0.00	0.00	6,007.0	1,898.7	499.5	1,963.3	3.50	-3.50	0.00
Start 4804.0 hold at 6426.7 MD - Back to Vertical - Williams Fork - Top of Gas - 43A-24-2-98 TGT									
6,500.0	0.00	0.00	6,080.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,180.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
6,700.0	0.00	0.00	6,280.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
6,800.0	0.00	0.00	6,380.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
6,900.0	0.00	0.00	6,480.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,580.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
7,100.0	0.00	0.00	6,680.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
7,200.0	0.00	0.00	6,780.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
7,300.0	0.00	0.00	6,880.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
7,400.0	0.00	0.00	6,980.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,080.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,180.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,280.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,380.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BR C-240 43A-24-2-98
Company:	Ursa Operating Company, LLC	TVD Reference:	BR C-240 43A-24-2-98 @ 6332.5usft (Est KB)
Project:	Rio Blanco County, Colorado	MD Reference:	BR C-240 43A-24-2-98 @ 6332.5usft (Est KB)
Site:	BR C-240	North Reference:	True
Well:	BR C-240 43A-24-2-98	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)	
7,900.0	0.00	0.00	7,480.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,580.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
8,100.0	0.00	0.00	7,680.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
8,200.0	0.00	0.00	7,780.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
8,300.0	0.00	0.00	7,880.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
8,400.0	0.00	0.00	7,980.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,080.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,180.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,280.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,380.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,480.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,580.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
9,100.0	0.00	0.00	8,680.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
9,200.0	0.00	0.00	8,780.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
9,300.0	0.00	0.00	8,880.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
9,400.0	0.00	0.00	8,980.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,080.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
9,535.7	0.00	0.00	9,116.0	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
Cameo										
9,600.0	0.00	0.00	9,180.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,280.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,380.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,480.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,580.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
10,080.7	0.00	0.00	9,661.0	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
Rollins										
10,100.0	0.00	0.00	9,680.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
10,200.0	0.00	0.00	9,780.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
10,224.7	0.00	0.00	9,805.0	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
Cozzette										
10,300.0	0.00	0.00	9,880.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
10,400.0	0.00	0.00	9,980.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,080.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
10,558.7	0.00	0.00	10,139.0	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
Corcoran										
10,600.0	0.00	0.00	10,180.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,280.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,380.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,480.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
11,000.0	0.00	0.00	10,580.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
11,100.0	0.00	0.00	10,680.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
11,200.0	0.00	0.00	10,780.3	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
11,230.7	0.00	0.00	10,811.0	1,898.7	499.5	1,963.3	0.00	0.00	0.00	
TD at 11230.7 - BHL 39.8614935 -108.3370854										

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BR C-240 43A-24-2-98
Company:	Ursa Operating Company, LLC	TVD Reference:	BR C-240 43A-24-2-98 @ 6332.5usft (Est KB)
Project:	Rio Blanco County, Colorado	MD Reference:	BR C-240 43A-24-2-98 @ 6332.5usft (Est KB)
Site:	BR C-240	North Reference:	True
Well:	BR C-240 43A-24-2-98	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									
43A-24-2-98 TGT	0.00	0.00	6,007.0	1,898.7	499.5	1,205,132.39	2,203,701.97	39.861493500	-108.337085400
- plan hits target center									
- Rectangle (sides W100.0 H40.0 D4,804.0)									

Formations

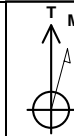
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
675.0	675.0	Green River Fm - Mahogany Bench		0.00	
732.0	732.0	Dissolution Surface		0.00	
1,859.0	1,837.0	Green River Fm - Garden Gulch Mbr		0.00	
2,045.0	2,005.0	Wasatch		0.00	
4,749.5	4,446.0	Ft Union		0.00	
6,236.3	5,817.0	Ohio Creek		0.00	
6,426.7	6,007.0	Williams Fork		0.00	
6,426.7	6,007.0	Top of Gas		0.00	
9,535.7	9,116.0	Cameo		0.00	
10,080.7	9,661.0	Rollins		0.00	
10,224.7	9,805.0	Cozzette		0.00	
10,558.7	10,139.0	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 39.8562812 -108.3388647
1,150.0	1,150.0	0.0	0.0	Start Build 3.50
1,878.6	1,854.8	154.2	40.6	Start 3819.6 hold at 1878.6 MD
3,701.4	3,500.0	913.2	240.2	Surface Casing
5,698.1	5,302.2	1,744.5	458.9	Start Drop -3.50
6,426.7	6,007.0	1,898.7	499.5	Start 4804.0 hold at 6426.7 MD
6,426.7	6,007.0	1,898.7	499.5	Back to Vertical
11,230.7	10,811.0	1,898.7	499.5	TD at 11230.7
11,230.7	10,811.0	1,898.7	499.5	BHL 39.8614935 -108.3370854



Well Name: BR C-240 43A-24-2-98
Surface Location: BR C-240
North American Datum 1983 US State Plane 1983 Colorado Northern Zone
Ground Elevation: 6304.5
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1203250.67 2203141.96 39.856281200 -108.338864700
Est KB BR C-240 43A-24-2-98 @ 6332.5usft (Est KB)



Azimuths to True North
Magnetic North: 9.94°
Magnetic Field
Strength: 51722.8snT
Dip Angle: 65.83°
Date: 1/14/2017
Model: IGRF2015

BR C-240
BR C-240 43A-24-2-98
Design #1
10:31, January 18 2017

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
43A-24-2-98 TGT	6007.0	1898.7	499.5	1205132.39	2203701.97	39.861493500	-108.337085400	Rectangle (Sides: L40.0 W100.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1150.0	0.00	0.00	1150.0	0.0	0.0	0.00	0.00	0.0	
3	1878.6	25.50	14.74	1854.8	154.2	40.6	3.50	14.74	159.5	
4	5698.1	25.50	14.74	5302.2	1744.5	458.9	0.00	0.00	1803.9	
5	6426.7	0.00	0.00	6007.0	1898.7	499.5	3.50	180.00	1963.3	43A-24-2-98 TGT
6	11230.7	0.00	0.00	10811.0	1898.7	499.5	0.00	0.00	1963.3	

ANNOTATIONS

TVD	MD	Annotation
0.1	0.1	SHL 39.8562812 -108.3388647
1150.0	1150.0	Start Build 3.50
1854.8	1878.6	Start 3819.6 hold at 1878.6 MD
3500.0	3701.4	Surface Casing
5302.2	5698.1	Start Drop -3.50
6007.0	6426.7	Back to Vertical
6007.0	6426.7	Start 4804.0 hold at 6426.7 MD
10811.0	11230.7	TD at 11230.7
10811.0	11230.7	BHL 39.8614935 -108.3370854

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
675.0	675.0	Mahogany Bench	0.00	
732.0	732.0	Dissolution Surface	0.00	
1837.0	1859.0	Garden Gulch Mbr	0.00	
2005.0	2045.0	Wasatch	0.00	
4446.0	4749.5	Ft Union	0.00	
5817.0	6236.3	Ohio Creek	0.00	
6007.0	6426.7	Top of Gas	0.00	
6007.0	6426.7	Williams Fork	0.00	
9116.0	9535.7	Cameo	0.00	
9661.0	10080.7	Rollins	0.00	
9805.0	10224.7	Cozzette	0.00	
10139.0	10558.7	Corcoran	0.00	

