



Ursa Operating Company, LLC

Rio Blanco County, Colorado

BR C-240

BR C-240 FED 21B-25-2-98

Wellbore #1

Plan: Design #1 APD

Standard Planning Report

07 July, 2018



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BR C-240 FED 21B-25-2-98
Company:	Ursa Operating Company, LLC	TVD Reference:	BR C-240 FED 21B-25-2-98 @ 6325.5usft (EST KB)
Project:	Rio Blanco County, Colorado	MD Reference:	BR C-240 FED 21B-25-2-98 @ 6325.5usft (EST KB)
Site:	BR C-240	North Reference:	True
Well:	BR C-240 FED 21B-25-2-98	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 APD		

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 FED 21B-25-2-98, SHL: Lat 39.856143234 Long -108.338567124		
Well Position	+N/-S	-34.8 usft	Northing: 1,203,197.76 usft
	+E/-W	36.0 usft	Easting: 2,203,223.85 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	6,325.5 usft
		Ground Level:	6,304.5 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/7/2018	9.79	65.80	51,558

Design	Design #1 APD			
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	240.89

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	
900.0	0.00	0.00	900.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,813.6	31.98	240.89	1,766.9	-120.9	-217.0	3.50	3.50	0.00	240.89	
5,431.8	31.98	240.89	4,836.1	-1,053.1	-1,891.0	0.00	0.00	0.00	0.00	
6,345.4	0.00	0.00	5,703.0	-1,174.0	-2,108.0	3.50	-3.50	0.00	180.00	21B-25-2-98 TGT
11,249.4	0.00	0.00	10,607.0	-1,174.0	-2,108.0	0.00	0.00	0.00	0.00	

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Project:	Rio Blanco County, Colorado	MD Reference:	BR C-240 FED 21B-25-2-98 @ 6325.5usft (EST KB)
Site:	BR C-240	North Reference:	True
Well:	BR C-240 FED 21B-25-2-98	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 APD		

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 39.856143234, -108.338567124										
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	
371.0	0.00	0.00	371.0	0.0	0.0	0.0	0.00	0.00	0.00	
Mahogany Bench										
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
428.0	0.00	0.00	428.0	0.0	0.0	0.0	0.00	0.00	0.00	
Dissolution Surface										
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	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
Start Build 3.50										
1,000.0	3.50	240.89	999.9	-1.5	-2.7	3.1	3.50	3.50	0.00	
1,100.0	7.00	240.89	1,099.5	-5.9	-10.7	12.2	3.50	3.50	0.00	
1,200.0	10.50	240.89	1,198.3	-13.3	-23.9	27.4	3.50	3.50	0.00	
1,300.0	14.00	240.89	1,296.0	-23.7	-42.5	48.6	3.50	3.50	0.00	
1,400.0	17.50	240.89	1,392.3	-36.9	-66.2	75.8	3.50	3.50	0.00	
1,500.0	21.00	240.89	1,486.7	-52.9	-95.0	108.7	3.50	3.50	0.00	
1,549.9	22.75	240.89	1,533.0	-62.0	-111.2	127.3	3.50	3.50	0.00	
Garden Gulch Mbr										
1,600.0	24.50	240.89	1,578.9	-71.7	-128.8	147.4	3.50	3.50	0.00	
1,700.0	28.00	240.89	1,668.5	-93.2	-167.4	191.6	3.50	3.50	0.00	
1,737.0	29.29	240.89	1,701.0	-101.9	-182.9	209.4	3.50	3.50	0.00	
Wasatch										
1,800.0	31.50	240.89	1,755.3	-117.4	-210.8	241.2	3.50	3.50	0.00	
1,813.6	31.98	240.89	1,766.9	-120.9	-217.0	248.4	3.50	3.50	0.00	
Start 3618.1 hold at 1813.6 MD										
1,900.0	31.98	240.89	1,840.2	-143.1	-257.0	294.1	0.00	0.00	0.00	
2,000.0	31.98	240.89	1,925.0	-168.9	-303.2	347.1	0.00	0.00	0.00	
2,100.0	31.98	240.89	2,009.8	-194.6	-349.5	400.1	0.00	0.00	0.00	
2,200.0	31.98	240.89	2,094.7	-220.4	-395.8	453.0	0.00	0.00	0.00	
2,300.0	31.98	240.89	2,179.5	-246.2	-442.0	506.0	0.00	0.00	0.00	
2,400.0	31.98	240.89	2,264.3	-271.9	-488.3	558.9	0.00	0.00	0.00	
2,500.0	31.98	240.89	2,349.2	-297.7	-534.6	611.9	0.00	0.00	0.00	
2,600.0	31.98	240.89	2,434.0	-323.5	-580.8	664.8	0.00	0.00	0.00	
2,700.0	31.98	240.89	2,518.8	-349.2	-627.1	717.8	0.00	0.00	0.00	
2,800.0	31.98	240.89	2,603.6	-375.0	-673.4	770.8	0.00	0.00	0.00	
2,900.0	31.98	240.89	2,688.5	-400.8	-719.6	823.7	0.00	0.00	0.00	
3,000.0	31.98	240.89	2,773.3	-426.5	-765.9	876.7	0.00	0.00	0.00	
3,100.0	31.98	240.89	2,858.1	-452.3	-812.2	929.6	0.00	0.00	0.00	
3,200.0	31.98	240.89	2,942.9	-478.1	-858.5	982.6	0.00	0.00	0.00	
3,300.0	31.98	240.89	3,027.8	-503.8	-904.7	1,035.6	0.00	0.00	0.00	
3,400.0	31.98	240.89	3,112.6	-529.6	-951.0	1,088.5	0.00	0.00	0.00	
3,500.0	31.98	240.89	3,197.4	-555.4	-997.3	1,141.5	0.00	0.00	0.00	
3,600.0	31.98	240.89	3,282.2	-581.1	-1,043.5	1,194.4	0.00	0.00	0.00	
3,700.0	31.98	240.89	3,367.1	-606.9	-1,089.8	1,247.4	0.00	0.00	0.00	
3,800.0	31.98	240.89	3,451.9	-632.7	-1,136.1	1,300.3	0.00	0.00	0.00	

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Well:	BR C-240 FED 21B-25-2-98	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 APD		

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)	
3,856.7	31.98	240.89	3,500.0	-647.3	-1,162.3	1,330.4	0.00	0.00	0.00	
Surface Casing										
3,900.0	31.98	240.89	3,536.7	-658.4	-1,182.3	1,353.3	0.00	0.00	0.00	
4,000.0	31.98	240.89	3,621.5	-684.2	-1,228.6	1,406.3	0.00	0.00	0.00	
4,100.0	31.98	240.89	3,706.4	-710.0	-1,274.9	1,459.2	0.00	0.00	0.00	
4,200.0	31.98	240.89	3,791.2	-735.7	-1,321.1	1,512.2	0.00	0.00	0.00	
4,300.0	31.98	240.89	3,876.0	-761.5	-1,367.4	1,565.1	0.00	0.00	0.00	
4,400.0	31.98	240.89	3,960.8	-787.3	-1,413.7	1,618.1	0.00	0.00	0.00	
4,500.0	31.98	240.89	4,045.7	-813.0	-1,459.9	1,671.1	0.00	0.00	0.00	
4,600.0	31.98	240.89	4,130.5	-838.8	-1,506.2	1,724.0	0.00	0.00	0.00	
4,613.6	31.98	240.89	4,142.0	-842.3	-1,512.5	1,731.2	0.00	0.00	0.00	
Ft Union										
4,700.0	31.98	240.89	4,215.3	-864.6	-1,552.5	1,777.0	0.00	0.00	0.00	
4,800.0	31.98	240.89	4,300.2	-890.3	-1,598.7	1,829.9	0.00	0.00	0.00	
4,900.0	31.98	240.89	4,385.0	-916.1	-1,645.0	1,882.9	0.00	0.00	0.00	
5,000.0	31.98	240.89	4,469.8	-941.9	-1,691.3	1,935.8	0.00	0.00	0.00	
5,100.0	31.98	240.89	4,554.6	-967.6	-1,737.5	1,988.8	0.00	0.00	0.00	
5,200.0	31.98	240.89	4,639.5	-993.4	-1,783.8	2,041.8	0.00	0.00	0.00	
5,300.0	31.98	240.89	4,724.3	-1,019.2	-1,830.1	2,094.7	0.00	0.00	0.00	
5,400.0	31.98	240.89	4,809.1	-1,044.9	-1,876.3	2,147.7	0.00	0.00	0.00	
5,431.8	31.98	240.89	4,836.1	-1,053.1	-1,891.0	2,164.5	0.00	0.00	0.00	
Start Drop -3.50										
5,500.0	29.59	240.89	4,894.7	-1,070.1	-1,921.5	2,199.4	3.50	-3.50	0.00	
5,600.0	26.09	240.89	4,983.1	-1,092.8	-1,962.3	2,246.1	3.50	-3.50	0.00	
5,700.0	22.59	240.89	5,074.2	-1,112.9	-1,998.3	2,287.3	3.50	-3.50	0.00	
5,800.0	19.09	240.89	5,167.6	-1,130.2	-2,029.4	2,322.9	3.50	-3.50	0.00	
5,900.0	15.59	240.89	5,263.1	-1,144.7	-2,055.4	2,352.7	3.50	-3.50	0.00	
6,000.0	12.09	240.89	5,360.1	-1,156.3	-2,076.3	2,376.6	3.50	-3.50	0.00	
6,100.0	8.59	240.89	5,458.5	-1,165.1	-2,092.0	2,394.5	3.50	-3.50	0.00	
6,155.0	6.67	240.89	5,513.0	-1,168.6	-2,098.4	2,401.8	3.50	-3.50	0.00	
Ohio Creek										
6,200.0	5.09	240.89	5,557.8	-1,170.8	-2,102.4	2,406.5	3.50	-3.50	0.00	
6,300.0	1.59	240.89	5,657.6	-1,173.7	-2,107.5	2,412.3	3.50	-3.50	0.00	
6,345.4	0.00	0.00	5,703.0	-1,174.0	-2,108.0	2,412.9	3.50	-3.50	0.00	
Start 4904.0 hold at 6345.4 MD - Back to Vertical - William Fork - Top of Gas - 21B-25-2-98 TGT										
6,400.0	0.00	0.00	5,757.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
6,500.0	0.00	0.00	5,857.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
6,600.0	0.00	0.00	5,957.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,057.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,157.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,257.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,357.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,457.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
7,200.0	0.00	0.00	6,557.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
7,300.0	0.00	0.00	6,657.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
7,400.0	0.00	0.00	6,757.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
7,500.0	0.00	0.00	6,857.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
7,600.0	0.00	0.00	6,957.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,057.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,157.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,257.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00	

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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)
8,000.0	0.00	0.00	7,357.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
8,100.0	0.00	0.00	7,457.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
8,200.0	0.00	0.00	7,557.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
8,300.0	0.00	0.00	7,657.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
8,400.0	0.00	0.00	7,757.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
8,500.0	0.00	0.00	7,857.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
8,600.0	0.00	0.00	7,957.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,057.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,157.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
8,900.0	0.00	0.00	8,257.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
9,000.0	0.00	0.00	8,357.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
9,100.0	0.00	0.00	8,457.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
9,200.0	0.00	0.00	8,557.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
9,300.0	0.00	0.00	8,657.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
9,400.0	0.00	0.00	8,757.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
9,454.4	0.00	0.00	8,812.0	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
Cameo									
9,500.0	0.00	0.00	8,857.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
9,600.0	0.00	0.00	8,957.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
9,700.0	0.00	0.00	9,057.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
9,800.0	0.00	0.00	9,157.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
9,900.0	0.00	0.00	9,257.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
9,999.4	0.00	0.00	9,357.0	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
Rollins									
10,000.0	0.00	0.00	9,357.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
10,100.0	0.00	0.00	9,457.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
10,143.4	0.00	0.00	9,501.0	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
Cozzette									
10,200.0	0.00	0.00	9,557.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
10,300.0	0.00	0.00	9,657.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
10,374.4	0.00	0.00	9,732.0	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
Corcoran									
10,400.0	0.00	0.00	9,757.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
10,500.0	0.00	0.00	9,857.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
10,600.0	0.00	0.00	9,957.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
10,661.4	0.00	0.00	10,019.0	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
Upper Sego									
10,700.0	0.00	0.00	10,057.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
10,800.0	0.00	0.00	10,157.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
10,900.0	0.00	0.00	10,257.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
11,000.0	0.00	0.00	10,357.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
11,100.0	0.00	0.00	10,457.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
11,200.0	0.00	0.00	10,557.6	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
11,249.4	0.00	0.00	10,607.0	-1,174.0	-2,108.0	2,412.9	0.00	0.00	0.00
TD at 11249.4 - BHL 39.8529202, -108.3460754									

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BR C-24O FED 21B-25-2-98
Company:	Ursa Operating Company, LLC	TVD Reference:	BR C-24O FED 21B-25-2-98 @ 6325.5usft (EST KB)
Project:	Rio Blanco County, Colorado	MD Reference:	BR C-24O FED 21B-25-2-98 @ 6325.5usft (EST KB)
Site:	BR C-24O	North Reference:	True
Well:	BR C-24O FED 21B-25-2-98	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 APD		

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									
21B-25-2-98 TGT	0.00	0.00	5,703.0	-1,174.0	-2,108.0	1,202,091.86	2,201,079.35	39.852920200	-108.346075400
- plan hits target center									
- Rectangle (sides W100.0 H40.0 D4,904.0)									

Formations

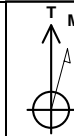
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
371.0	371.0	Mahogany Bench		0.00	
428.0	428.0	Dissolution Surface		0.00	
1,549.9	1,533.0	Garden Gulch Mbr		0.00	
1,737.0	1,701.0	Wasatch		0.00	
4,613.6	4,142.0	Ft Union		0.00	
6,155.0	5,513.0	Ohio Creek		0.00	
6,345.4	5,703.0	William Fork		0.00	
6,345.4	5,703.0	Top of Gas		0.00	
9,454.4	8,812.0	Cameo		0.00	
9,999.4	9,357.0	Rollins		0.00	
10,143.4	9,501.0	Cozzette		0.00	
10,374.4	9,732.0	Corcoran		0.00	
10,661.4	10,019.0	Upper Sego		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 39.856143234, -108.338567124
900.0	900.0	0.0	0.0	Start Build 3.50
1,813.6	1,766.9	-120.9	-217.0	Start 3618.1 hold at 1813.6 MD
3,856.7	3,500.0	-647.3	-1,162.3	Surface Casing
5,431.8	4,836.1	-1,053.1	-1,891.0	Start Drop -3.50
6,345.4	5,703.0	-1,174.0	-2,108.0	Start 4904.0 hold at 6345.4 MD
6,345.4	5,703.0	-1,174.0	-2,108.0	Back to Vertical
11,249.4	10,607.0	-1,174.0	-2,108.0	TD at 11249.4
11,249.4	10,607.0	-1,174.0	-2,108.0	BHL 39.8529202, -108.3460754



Well Name: BR C-240 FED 21B-25-2-98
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
0.0 0.0 1203197.76 2203223.85 39.856143234 -108.338567124
EST KB BR C-240 FED 21B-25-2-98 @ 6325.5usft (EST KB)



Azimuths to True North
Magnetic North: 9.79°
Magnetic Field
Strength: 51557.9snT
Dip Angle: 65.80°
Date: 7/7/2018
Model: IGRF2015

BR C-240
BR C-240 FED 21B-25-2-98
Design #1 APD
10:57, July 07 2018

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
21B-25-2-98 TGT	5703.0	-1174.0	-2108.0	1202091.87	2201079.35	39.852920200	-108.346075400	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	900.0	0.00	0.00	900.0	0.0	0.0	0.00	0.00	0.0	
3	1813.6	31.98	240.89	1766.9	-120.9	-217.0	3.50	240.89	248.4	
4	5431.8	31.98	240.89	4836.1	-1053.1	-1891.0	0.00	0.00	2164.5	
5	6345.4	0.00	0.00	5703.0	-1174.0	-2108.0	3.50	180.00	2412.9	21B-25-2-98 TGT
6	11249.4	0.00	0.00	10607.0	-1174.0	-2108.0	0.00	0.00	2412.9	

ANNOTATIONS

TVD	MD	Annotation
0.1	0.1	SHL 39.856143234, -108.338567124
900.0	900.0	Start Build 3.50
1766.9	1813.6	Start 3618.1 hold at 1813.6 MD
3500.0	3856.7	Surface Casing
4836.1	5431.8	Start Drop -3.50
5703.0	6345.4	Start 4904.0 hold at 6345.4 MD
5703.0	6345.4	Back to Vertical
10607.0	11249.4	TD at 11249.4
10607.0	11249.4	BHL 39.8529202, -108.3460754

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
371.0	371.0	Mahogany Bench	0.00	
428.0	428.0	Dissolution Surface	0.00	
1533.0	1549.9	Garden Gulch Mbr	0.00	
1701.0	1737.0	Wasatch	0.00	
4142.0	4613.6	Ft Union	0.00	
5513.0	6155.0	Ohio Creek	0.00	
5703.0	6345.4	Top of Gas	0.00	
5703.0	6345.4	William Fork	0.00	
8812.0	9454.4	Cameo	0.00	
9357.0	9999.4	Rollins	0.00	
9501.0	10143.4	Cozzette	0.00	
9732.0	10374.4	Corcoran	0.00	

