

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Federal 10/11-15-21
Company:	Dejour Energy	TVD Reference:	15' KB @ 7024.0usft (Rig)
Project:	Garfield County, CO	MD Reference:	15' KB @ 7024.0usft (Rig)
Site:	S21-T6S-R91W	North Reference:	True
Well:	Federal 10/11-15-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

Project	Garfield County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	S21-T6S-R91W				
Site Position:		Northing:	11,002,085.90 usft	Latitude:	0.000000
From:	Lat/Long	Easting:	40,648,279.17 usft	Longitude:	0.000000
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.00 °

Well	Federal 10/11-15-21					
Well Position	+N/-S	0.0 usft	Northing:	1,070,546.47 usft	Latitude:	39.508535
	+E/-W	0.0 usft	Easting:	2,419,899.98 usft	Longitude:	-107.556019
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	7,009.0 usft	

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/16/2014	9.77	65.75	52,001

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Dir
	0.0	0.0	0.0	258.31

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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,192.5	29.78	258.31	1,148.5	-51.1	-246.9	3.00	3.00	0.00	258.31	
3,385.1	29.78	258.31	3,051.5	-271.6	-1,313.2	0.00	0.00	0.00	0.00	
4,377.6	0.00	0.00	4,000.0	-322.7	-1,560.2	3.00	-3.00	0.00	180.00	
8,477.6	0.00	0.00	8,100.0	-322.7	-1,560.2	0.00	0.00	0.00	0.00	Federal 10/11-15-21

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u	Comments / Formations
0.0	0.00	0.00	0.0	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	0.0	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.0	0.00	0.00 KOP @ 200'
300.0	3.00	258.31	300.0	-0.5	-2.6	2.6	3.00	3.00	3.00
400.0	6.00	258.31	399.6	-2.1	-10.2	10.5	3.00	3.00	3.00
500.0	9.00	258.31	498.8	-4.8	-23.0	23.5	3.00	3.00	3.00
600.0	12.00	258.31	597.1	-8.5	-40.9	41.7	3.00	3.00	3.00
700.0	15.00	258.31	694.3	-13.2	-63.7	65.1	3.00	3.00	3.00
800.0	18.00	258.31	790.2	-18.9	-91.5	93.5	3.00	3.00	3.00
900.0	21.00	258.31	884.4	-25.7	-124.2	126.9	3.00	3.00	3.00
1,000.0	24.00	258.31	976.8	-33.4	-161.7	165.1	3.00	3.00	3.00
1,100.0	27.00	258.31	1,067.1	-42.2	-203.8	208.2	3.00	3.00	3.00
1,192.5	29.78	258.31	1,148.5	-51.1	-246.9	252.2	3.00	3.00	3.00 EOB; Inc=29.78°
1,200.0	29.78	258.31	1,154.9	-51.8	-250.6	255.9	0.00	0.00	

1,300.0	29.78	258.31	1,241.7	-61.9	-299.2	305.5	0.00	0.00	
1,400.0	29.78	258.31	1,328.5	-71.9	-347.8	355.2	0.00	0.00	
1,500.0	29.78	258.31	1,415.3	-82.0	-396.5	404.8	0.00	0.00	
1,600.0	29.78	258.31	1,502.1	-92.1	-445.1	454.5	0.00	0.00	
1,700.0	29.78	258.31	1,588.9	-102.1	-493.7	504.2	0.00	0.00	
1,800.0	29.78	258.31	1,675.7	-112.2	-542.3	553.8	0.00	0.00	
1,900.0	29.78	258.31	1,762.5	-122.2	-591.0	603.5	0.00	0.00	
2,000.0	29.78	258.31	1,849.3	-132.3	-639.6	653.2	0.00	0.00	
2,100.0	29.78	258.31	1,936.1	-142.3	-688.2	702.8	0.00	0.00	
2,200.0	29.78	258.31	2,022.9	-152.4	-736.9	752.5	0.00	0.00	
2,300.0	29.78	258.31	2,109.7	-162.5	-785.5	802.1	0.00	0.00	
2,400.0	29.78	258.31	2,196.5	-172.5	-834.1	851.8	0.00	0.00	
2,500.0	29.78	258.31	2,283.3	-182.6	-882.8	901.5	0.00	0.00	
2,600.0	29.78	258.31	2,370.1	-192.6	-931.4	951.1	0.00	0.00	
2,700.0	29.78	258.31	2,456.9	-202.7	-980.0	1,000.8	0.00	0.00	
2,800.0	29.78	258.31	2,543.7	-212.8	-1,028.7	1,050.4	0.00	0.00	
2,900.0	29.78	258.31	2,630.5	-222.8	-1,077.3	1,100.1	0.00	0.00	
3,000.0	29.78	258.31	2,717.3	-232.9	-1,125.9	1,149.8	0.00	0.00	
3,100.0	29.78	258.31	2,804.1	-242.9	-1,174.6	1,199.4	0.00	0.00	
3,200.0	29.78	258.31	2,890.9	-253.0	-1,223.2	1,249.1	0.00	0.00	
3,300.0	29.78	258.31	2,977.7	-263.1	-1,271.8	1,298.8	0.00	0.00	
3,385.1	29.78	258.31	3,051.5	-271.6	-1,313.2	1,341.0	0.00	0.00	Start Drop -3.00
3,400.0	29.33	258.31	3,064.5	-273.1	-1,320.4	1,348.4	3.00	-3.00	
3,500.0	26.33	258.31	3,152.9	-282.6	-1,366.1	1,395.0	3.00	-3.00	
3,600.0	23.33	258.31	3,243.7	-291.1	-1,407.2	1,437.0	3.00	-3.00	
3,700.0	20.33	258.31	3,336.5	-298.6	-1,443.7	1,474.2	3.00	-3.00	
3,800.0	17.33	258.31	3,431.1	-305.1	-1,475.3	1,506.5	3.00	-3.00	
3,900.0	14.33	258.31	3,527.3	-310.7	-1,502.0	1,533.8	3.00	-3.00	
4,000.0	11.33	258.31	3,624.8	-315.1	-1,523.7	1,556.0	3.00	-3.00	
4,100.0	8.33	258.31	3,723.3	-318.6	-1,540.4	1,573.0	3.00	-3.00	
4,200.0	5.33	258.31	3,822.6	-321.0	-1,552.1	1,584.9	3.00	-3.00	
4,300.0	2.33	258.31	3,922.4	-322.4	-1,558.6	1,591.6	3.00	-3.00	
4,377.6	0.00	0.00	4,000.0	-322.7	-1,560.2	1,593.2	3.00	-3.00	EOD; Inc=0°
4,400.0	0.00	0.00	4,022.4	-322.7	-1,560.2	1,593.2	0.00	0.00	
4,500.0	0.00	0.00	4,122.4	-322.7	-1,560.2	1,593.2	0.00	0.00	
4,600.0	0.00	0.00	4,222.4	-322.7	-1,560.2	1,593.2	0.00	0.00	
4,700.0	0.00	0.00	4,322.4	-322.7	-1,560.2	1,593.2	0.00	0.00	
4,800.0	0.00	0.00	4,422.4	-322.7	-1,560.2	1,593.2	0.00	0.00	

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u	Comments / Formations
4,900.0	0.00	0.00	4,522.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
5,000.0	0.00	0.00	4,622.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
5,100.0	0.00	0.00	4,722.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
5,200.0	0.00	0.00	4,822.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
5,300.0	0.00	0.00	4,922.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
5,400.0	0.00	0.00	5,022.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
5,500.0	0.00	0.00	5,122.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
5,600.0	0.00	0.00	5,222.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
5,700.0	0.00	0.00	5,322.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
5,800.0	0.00	0.00	5,422.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
5,900.0	0.00	0.00	5,522.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
6,000.0	0.00	0.00	5,622.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
6,100.0	0.00	0.00	5,722.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
6,200.0	0.00	0.00	5,822.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
6,300.0	0.00	0.00	5,922.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
6,400.0	0.00	0.00	6,022.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
6,500.0	0.00	0.00	6,122.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
6,600.0	0.00	0.00	6,222.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
6,700.0	0.00	0.00	6,322.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
6,800.0	0.00	0.00	6,422.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
6,900.0	0.00	0.00	6,522.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
7,000.0	0.00	0.00	6,622.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
7,100.0	0.00	0.00	6,722.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
7,200.0	0.00	0.00	6,822.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
7,300.0	0.00	0.00	6,922.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
7,400.0	0.00	0.00	7,022.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
7,500.0	0.00	0.00	7,122.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
7,600.0	0.00	0.00	7,222.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
7,700.0	0.00	0.00	7,322.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
7,800.0	0.00	0.00	7,422.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
7,900.0	0.00	0.00	7,522.3	-322.7	-1,560.2	1,593.2	0.00	0.00	
8,000.0	0.00	0.00	7,622.3	-322.7	-1,560.2	1,593.2	0.00	0.00	

8,100.0	0.00	0.00	7,722.3	-322.7	-1,560.2	1,593.2	0.00	0.00
8,200.0	0.00	0.00	7,822.3	-322.7	-1,560.2	1,593.2	0.00	0.00
8,300.0	0.00	0.00	7,922.3	-322.7	-1,560.2	1,593.2	0.00	0.00
8,400.0	0.00	0.00	8,022.3	-322.7	-1,560.2	1,593.2	0.00	0.00
8,477.6	0.00	0.00	8,100.0	-322.7	-1,560.2	1,593.2	0.00	0.00 TD at 8477.6

Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
Federal 10/11-15-21 PBHL	0.00	0.00	8,100.0	-322.7	-1,560.2	1,070,260.04	2,418,332.76	39.507649	-107.561548
- plan hits target center									
- Circle (radius 50.0)									

Plan Annotations

Measured Depth	Vertical Depth	Local Coordinates		
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	Comment
200.0	200.0	0.0	0.0	KOP @ 200'
1,192.5	1,148.5	-51.1	-246.9	EOB; Inc=29.78°
3,385.1	3,051.5	-271.6	-1,313.2	Start Drop -3.00
4,377.6	4,000.0	-322.7	-1,560.2	EOD; Inc=0°
8,477.6	8,100.0	-322.7	-1,560.2	TD at 8477.6