

Planning Report

Database:	USA EDM 5000 Multi Users DB			Local Co-ordinate Reference:	Well Federal 10/11-14-21					
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 10/11-14-21			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 10/11-14-21									
Well Position	+N/-S	0.0 usft	Northing:	1,070,560.49 usft		Latitude:	39.508573			
	+E/-W	0.0 usft	Easting:	2,419,892.40 usft		Longitude:	-107.556047			
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)		+N/-S	+E/-W	Direction					
	(usft)		(usft)	(usft)	(°)					
	0.0		0.0	0.0	271.96					
Plan Sections										
Measured	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	(usft)	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)						(°/100usft)	(°/100usft)	(°/100usft)		
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	
377.0	3.54	271.96	376.9	0.2	-5.5	2.00	2.00	0.00	271.96	
3,829.8	3.54	271.96	3,823.1	7.5	-218.6	0.00	0.00	0.00	0.00	
4,006.8	0.00	0.00	4,000.0	7.7	-224.0	2.00	-2.00	0.00	180.00	
8,106.8	0.00	0.00	8,100.0	7.7	-224.0	0.00	0.00	0.00	0.00	Federal 10/11-14-21
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	2.00	271.96	300.0	0.1	-1.7	1.7	1.7	2.00	2.00
377.0	3.54	271.96	376.9	0.2	-5.5	5.5	5.5	2.00	2.00 EOB; Inc=3.54°
400.0	3.54	271.96	399.8	0.2	-6.9	6.9	6.9	0.00	0.00
500.0	3.54	271.96	499.7	0.4	-13.1	13.1	13.1	0.00	0.00
600.0	3.54	271.96	599.5	0.7	-19.2	19.2	19.2	0.00	0.00
700.0	3.54	271.96	699.3	0.9	-25.4	25.4	25.4	0.00	0.00
800.0	3.54	271.96	799.1	1.1	-31.6	31.6	31.6	0.00	0.00
900.0	3.54	271.96	898.9	1.3	-37.7	37.8	37.8	0.00	0.00
1,000.0	3.54	271.96	998.7	1.5	-43.9	43.9	43.9	0.00	0.00
1,100.0	3.54	271.96	1,098.5	1.7	-50.1	50.1	50.1	0.00	0.00
1,200.0	3.54	271.96	1,198.3	1.9	-56.3	56.3	56.3	0.00	0.00
1,300.0	3.54	271.96	1,298.1	2.1	-62.4	62.5	62.5	0.00	0.00
1,400.0	3.54	271.96	1,397.9	2.3	-68.6	68.6	68.6	0.00	0.00
1,500.0	3.54	271.96	1,497.7	2.6	-74.8	74.8	74.8	0.00	0.00 9 5/8"
1,600.0	3.54	271.96	1,597.5	2.8	-81.0	81.0	81.0	0.00	0.00
1,700.0	3.54	271.96	1,697.4	3.0	-87.1	87.2	87.2	0.00	0.00
1,800.0	3.54	271.96	1,797.2	3.2	-93.3	93.3	93.3	0.00	0.00
1,900.0	3.54	271.96	1,897.0	3.4	-99.5	99.5	99.5	0.00	0.00
2,000.0	3.54	271.96	1,996.8	3.6	-105.6	105.7	105.7	0.00	0.00
2,100.0	3.54	271.96	2,096.6	3.8	-111.8	111.9	111.9	0.00	0.00
2,200.0	3.54	271.96	2,196.4	4.0	-118.0	118.1	118.1	0.00	0.00
2,300.0	3.54	271.96	2,296.2	4.2	-124.2	124.2	124.2	0.00	0.00
2,400.0	3.54	271.96	2,396.0	4.5	-130.3	130.4	130.4	0.00	0.00
2,500.0	3.54	271.96	2,495.8	4.7	-136.5	136.6	136.6	0.00	0.00
2,600.0	3.54	271.96	2,595.6	4.9	-142.7	142.8	142.8	0.00	0.00
2,700.0	3.54	271.96	2,695.4	5.1	-148.8	148.9	148.9	0.00	0.00
2,800.0	3.54	271.96	2,795.3	5.3	-155.0	155.1	155.1	0.00	0.00
2,900.0	3.54	271.96	2,895.1	5.5	-161.2	161.3	161.3	0.00	0.00
3,000.0	3.54	271.96	2,994.9	5.7	-167.4	167.5	167.5	0.00	0.00
3,100.0	3.54	271.96	3,094.7	5.9	-173.5	173.6	173.6	0.00	0.00
3,200.0	3.54	271.96	3,194.5	6.1	-179.7	179.8	179.8	0.00	0.00
3,300.0	3.54	271.96	3,294.3	6.4	-185.9	186.0	186.0	0.00	0.00
3,400.0	3.54	271.96	3,394.1	6.6	-192.1	192.2	192.2	0.00	0.00
3,500.0	3.54	271.96	3,493.9	6.8	-198.2	198.3	198.3	0.00	0.00
3,600.0	3.54	271.96	3,593.7	7.0	-204.4	204.5	204.5	0.00	0.00
3,700.0	3.54	271.96	3,693.5	7.2	-210.6	210.7	210.7	0.00	0.00
3,800.0	3.54	271.96	3,793.3	7.4	-216.7	216.9	216.9	0.00	0.00
3,829.8	3.54	271.96	3,823.1	7.5	-218.6	218.7	218.7	0.00	0.00 Start Drop -2.00
3,900.0	2.14	271.96	3,893.2	7.6	-222.1	222.2	222.2	2.00	-2.00
4,000.0	0.14	271.96	3,993.2	7.7	-224.0	224.2	224.2	2.00	-2.00
4,006.8	0.00	0.00	4,000.0	7.7	-224.0	224.2	224.2	2.00	-2.00 EOD; Inc=0°
4,100.0	0.00	0.00	4,093.2	7.7	-224.0	224.2	224.2	0.00	0.00
4,200.0	0.00	0.00	4,193.2	7.7	-224.0	224.2	224.2	0.00	0.00
4,300.0	0.00	0.00	4,293.2	7.7	-224.0	224.2	224.2	0.00	0.00
4,400.0	0.00	0.00	4,393.2	7.7	-224.0	224.2	224.2	0.00	0.00
4,500.0	0.00	0.00	4,493.2	7.7	-224.0	224.2	224.2	0.00	0.00
4,600.0	0.00	0.00	4,593.2	7.7	-224.0	224.2	224.2	0.00	0.00
4,700.0	0.00	0.00	4,693.2	7.7	-224.0	224.2	224.2	0.00	0.00
4,800.0	0.00	0.00	4,793.2	7.7	-224.0	224.2	224.2	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	4,893.2	7.7	-224.0		224.2	0.00	0.00
5,000.0	0.00	0.00	4,993.2	7.7	-224.0		224.2	0.00	0.00
5,100.0	0.00	0.00	5,093.2	7.7	-224.0		224.2	0.00	0.00
5,200.0	0.00	0.00	5,193.2	7.7	-224.0		224.2	0.00	0.00
5,300.0	0.00	0.00	5,293.2	7.7	-224.0		224.2	0.00	0.00
5,400.0	0.00	0.00	5,393.2	7.7	-224.0		224.2	0.00	0.00
5,500.0	0.00	0.00	5,493.2	7.7	-224.0		224.2	0.00	0.00
5,600.0	0.00	0.00	5,593.2	7.7	-224.0		224.2	0.00	0.00
5,700.0	0.00	0.00	5,693.2	7.7	-224.0		224.2	0.00	0.00
5,800.0	0.00	0.00	5,793.2	7.7	-224.0		224.2	0.00	0.00
5,900.0	0.00	0.00	5,893.2	7.7	-224.0		224.2	0.00	0.00
6,000.0	0.00	0.00	5,993.2	7.7	-224.0		224.2	0.00	0.00
6,100.0	0.00	0.00	6,093.2	7.7	-224.0		224.2	0.00	0.00
6,200.0	0.00	0.00	6,193.2	7.7	-224.0		224.2	0.00	0.00
6,300.0	0.00	0.00	6,293.2	7.7	-224.0		224.2	0.00	0.00
6,400.0	0.00	0.00	6,393.2	7.7	-224.0		224.2	0.00	0.00
6,500.0	0.00	0.00	6,493.2	7.7	-224.0		224.2	0.00	0.00
6,600.0	0.00	0.00	6,593.2	7.7	-224.0		224.2	0.00	0.00
6,700.0	0.00	0.00	6,693.2	7.7	-224.0		224.2	0.00	0.00
6,800.0	0.00	0.00	6,793.2	7.7	-224.0		224.2	0.00	0.00
6,900.0	0.00	0.00	6,893.2	7.7	-224.0		224.2	0.00	0.00
7,000.0	0.00	0.00	6,993.2	7.7	-224.0		224.2	0.00	0.00
7,100.0	0.00	0.00	7,093.2	7.7	-224.0		224.2	0.00	0.00
7,200.0	0.00	0.00	7,193.2	7.7	-224.0		224.2	0.00	0.00
7,300.0	0.00	0.00	7,293.2	7.7	-224.0		224.2	0.00	0.00
7,400.0	0.00	0.00	7,393.2	7.7	-224.0		224.2	0.00	0.00
7,500.0	0.00	0.00	7,493.2	7.7	-224.0		224.2	0.00	0.00
7,600.0	0.00	0.00	7,593.2	7.7	-224.0		224.2	0.00	0.00
7,700.0	0.00	0.00	7,693.2	7.7	-224.0		224.2	0.00	0.00
7,800.0	0.00	0.00	7,793.2	7.7	-224.0		224.2	0.00	0.00
7,900.0	0.00	0.00	7,893.2	7.7	-224.0		224.2	0.00	0.00
8,000.0	0.00	0.00	7,993.2	7.7	-224.0		224.2	0.00	0.00
8,100.0	0.00	0.00	8,093.2	7.7	-224.0		224.2	0.00	0.00
8,106.8	0.00	0.00	8,100.0	7.7	-224.0		224.2	0.00	0.00 TD at 8106.8

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Federal 10/11-14-21 PBHL	0.00	0.00	8,100.0	7.7	-224.0	1,070,573.34	2,419,668.59	39.508594	-107.556841
- plan hits target center									
- Circle (radius 50.0)									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,500.0	1,497.7	9 5/8"	9-5/8	12-1/4

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
200.0	200.0	0.0	0.0	KOP @ 200'
377.0	376.9	0.2	-5.5	EOB; Inc=3.54°
3,829.8	3,823.1	7.5	-218.6	Start Drop -2.00
4,006.8	4,000.0	7.7	-224.0	EOD; Inc=0°
8,106.8	8,100.0	7.7	-224.0	TD at 8106.8