



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Federal 10/11-13-21
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 10/11-13-21	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 10/11-13-21					
Well Position	+N/-S	0.0 usft	Northing:	1,070,567.87 usft	Latitude:	39.508593
	+E/-W	0.0 usft	Easting:	2,419,888.62 usft	Longitude:	-107.556061
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	281.36

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(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	
1,189.8	29.69	281.36	1,146.1	49.4	-245.9	3.00	3.00	0.00	281.36	
3,386.0	29.69	281.36	3,053.9	263.6	-1,312.5	0.00	0.00	0.00	0.00	
4,375.8	0.00	0.00	4,000.0	313.0	-1,558.4	3.00	-3.00	0.00	180.00	
8,475.8	0.00	0.00	8,100.0	313.0	-1,558.4	0.00	0.00	0.00	0.00	Federal 10/11-13-21 F

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Federal 10/11-13-21
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 10/11-13-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #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 (°/100u)	Comments / Formations
0.0	0.00	0.00	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	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	KOP @ 200'
300.0	3.00	281.36	300.0	0.5	-2.6	2.6	3.00	3.00	
400.0	6.00	281.36	399.6	2.1	-10.3	10.5	3.00	3.00	
500.0	9.00	281.36	498.8	4.6	-23.1	23.5	3.00	3.00	
600.0	12.00	281.36	597.1	8.2	-40.9	41.7	3.00	3.00	
700.0	15.00	281.36	694.3	12.8	-63.8	65.1	3.00	3.00	
800.0	18.00	281.36	790.2	18.4	-91.6	93.5	3.00	3.00	
900.0	21.00	281.36	884.4	25.0	-124.4	126.9	3.00	3.00	
1,000.0	24.00	281.36	976.8	32.5	-161.9	165.1	3.00	3.00	
1,100.0	27.00	281.36	1,067.1	41.0	-204.1	208.2	3.00	3.00	
1,189.8	29.69	281.36	1,146.1	49.4	-245.9	250.8	3.00	3.00	EOB; Inc=29.69°
1,200.0	29.69	281.36	1,154.9	50.4	-250.8	255.8	0.00	0.00	
1,300.0	29.69	281.36	1,241.8	60.1	-299.4	305.4	0.00	0.00	
1,400.0	29.69	281.36	1,328.7	69.9	-348.0	354.9	0.00	0.00	
1,500.0	29.69	281.36	1,415.5	79.6	-396.5	404.5	0.00	0.00	9 5/8"
1,600.0	29.69	281.36	1,502.4	89.4	-445.1	454.0	0.00	0.00	
1,700.0	29.69	281.36	1,589.3	99.1	-493.7	503.5	0.00	0.00	
1,800.0	29.69	281.36	1,676.2	108.9	-542.2	553.1	0.00	0.00	
1,900.0	29.69	281.36	1,763.0	118.6	-590.8	602.6	0.00	0.00	
2,000.0	29.69	281.36	1,849.9	128.4	-639.4	652.1	0.00	0.00	
2,100.0	29.69	281.36	1,936.8	138.2	-687.9	701.7	0.00	0.00	
2,200.0	29.69	281.36	2,023.6	147.9	-736.5	751.2	0.00	0.00	
2,300.0	29.69	281.36	2,110.5	157.7	-785.1	800.7	0.00	0.00	
2,400.0	29.69	281.36	2,197.4	167.4	-833.6	850.3	0.00	0.00	
2,500.0	29.69	281.36	2,284.2	177.2	-882.2	899.8	0.00	0.00	
2,600.0	29.69	281.36	2,371.1	186.9	-930.8	949.4	0.00	0.00	
2,700.0	29.69	281.36	2,458.0	196.7	-979.3	998.9	0.00	0.00	
2,800.0	29.69	281.36	2,544.8	206.4	-1,027.9	1,048.4	0.00	0.00	
2,900.0	29.69	281.36	2,631.7	216.2	-1,076.5	1,098.0	0.00	0.00	
3,000.0	29.69	281.36	2,718.6	225.9	-1,125.0	1,147.5	0.00	0.00	
3,100.0	29.69	281.36	2,805.4	235.7	-1,173.6	1,197.0	0.00	0.00	
3,200.0	29.69	281.36	2,892.3	245.4	-1,222.2	1,246.6	0.00	0.00	
3,300.0	29.69	281.36	2,979.2	255.2	-1,270.7	1,296.1	0.00	0.00	
3,386.0	29.69	281.36	3,053.9	263.6	-1,312.5	1,338.7	0.00	0.00	Start Drop -3.00
3,400.0	29.28	281.36	3,066.1	264.9	-1,319.3	1,345.6	3.00	-3.00	
3,500.0	26.28	281.36	3,154.5	274.1	-1,364.9	1,392.2	3.00	-3.00	
3,600.0	23.28	281.36	3,245.3	282.4	-1,406.0	1,434.1	3.00	-3.00	
3,700.0	20.28	281.36	3,338.2	289.7	-1,442.4	1,471.2	3.00	-3.00	
3,800.0	17.28	281.36	3,432.8	296.0	-1,473.9	1,503.4	3.00	-3.00	
3,900.0	14.28	281.36	3,529.1	301.4	-1,500.6	1,530.6	3.00	-3.00	
4,000.0	11.28	281.36	3,626.6	305.7	-1,522.3	1,552.7	3.00	-3.00	
4,100.0	8.28	281.36	3,725.1	309.0	-1,538.9	1,569.6	3.00	-3.00	
4,200.0	5.28	281.36	3,824.4	311.4	-1,550.5	1,581.4	3.00	-3.00	
4,300.0	2.28	281.36	3,924.2	312.7	-1,556.9	1,588.0	3.00	-3.00	
4,375.8	0.00	0.00	4,000.0	313.0	-1,558.4	1,589.5	3.00	-3.00	EOD; Inc=0°
4,400.0	0.00	0.00	4,024.2	313.0	-1,558.4	1,589.5	0.00	0.00	
4,500.0	0.00	0.00	4,124.2	313.0	-1,558.4	1,589.5	0.00	0.00	
4,600.0	0.00	0.00	4,224.2	313.0	-1,558.4	1,589.5	0.00	0.00	
4,700.0	0.00	0.00	4,324.2	313.0	-1,558.4	1,589.5	0.00	0.00	
4,800.0	0.00	0.00	4,424.2	313.0	-1,558.4	1,589.5	0.00	0.00	

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Project:	Garfield County, CO	MD Reference:	15' KB @ 7024.0usft (Rig)
Site:	S21-T6S-R91W	North Reference:	True
Well:	Federal 10/11-13-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #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 (°/100u)	Comments / Formations
4,900.0	0.00	0.00	4,524.2	313.0	-1,558.4	1,589.5	0.00	0.00	
5,000.0	0.00	0.00	4,624.2	313.0	-1,558.4	1,589.5	0.00	0.00	
5,100.0	0.00	0.00	4,724.2	313.0	-1,558.4	1,589.5	0.00	0.00	
5,200.0	0.00	0.00	4,824.2	313.0	-1,558.4	1,589.5	0.00	0.00	
5,300.0	0.00	0.00	4,924.2	313.0	-1,558.4	1,589.5	0.00	0.00	
5,400.0	0.00	0.00	5,024.2	313.0	-1,558.4	1,589.5	0.00	0.00	
5,500.0	0.00	0.00	5,124.2	313.0	-1,558.4	1,589.5	0.00	0.00	
5,600.0	0.00	0.00	5,224.2	313.0	-1,558.4	1,589.5	0.00	0.00	
5,700.0	0.00	0.00	5,324.2	313.0	-1,558.4	1,589.5	0.00	0.00	
5,800.0	0.00	0.00	5,424.2	313.0	-1,558.4	1,589.5	0.00	0.00	
5,900.0	0.00	0.00	5,524.2	313.0	-1,558.4	1,589.5	0.00	0.00	
6,000.0	0.00	0.00	5,624.2	313.0	-1,558.4	1,589.5	0.00	0.00	
6,100.0	0.00	0.00	5,724.2	313.0	-1,558.4	1,589.5	0.00	0.00	
6,200.0	0.00	0.00	5,824.2	313.0	-1,558.4	1,589.5	0.00	0.00	
6,300.0	0.00	0.00	5,924.2	313.0	-1,558.4	1,589.5	0.00	0.00	
6,400.0	0.00	0.00	6,024.2	313.0	-1,558.4	1,589.5	0.00	0.00	
6,500.0	0.00	0.00	6,124.2	313.0	-1,558.4	1,589.5	0.00	0.00	
6,600.0	0.00	0.00	6,224.2	313.0	-1,558.4	1,589.5	0.00	0.00	
6,700.0	0.00	0.00	6,324.2	313.0	-1,558.4	1,589.5	0.00	0.00	
6,800.0	0.00	0.00	6,424.2	313.0	-1,558.4	1,589.5	0.00	0.00	
6,900.0	0.00	0.00	6,524.2	313.0	-1,558.4	1,589.5	0.00	0.00	
7,000.0	0.00	0.00	6,624.2	313.0	-1,558.4	1,589.5	0.00	0.00	
7,100.0	0.00	0.00	6,724.2	313.0	-1,558.4	1,589.5	0.00	0.00	
7,200.0	0.00	0.00	6,824.2	313.0	-1,558.4	1,589.5	0.00	0.00	
7,300.0	0.00	0.00	6,924.2	313.0	-1,558.4	1,589.5	0.00	0.00	
7,400.0	0.00	0.00	7,024.2	313.0	-1,558.4	1,589.5	0.00	0.00	
7,500.0	0.00	0.00	7,124.2	313.0	-1,558.4	1,589.5	0.00	0.00	
7,600.0	0.00	0.00	7,224.2	313.0	-1,558.4	1,589.5	0.00	0.00	
7,700.0	0.00	0.00	7,324.1	313.0	-1,558.4	1,589.5	0.00	0.00	
7,800.0	0.00	0.00	7,424.1	313.0	-1,558.4	1,589.5	0.00	0.00	
7,900.0	0.00	0.00	7,524.1	313.0	-1,558.4	1,589.5	0.00	0.00	
8,000.0	0.00	0.00	7,624.1	313.0	-1,558.4	1,589.5	0.00	0.00	
8,100.0	0.00	0.00	7,724.1	313.0	-1,558.4	1,589.5	0.00	0.00	
8,200.0	0.00	0.00	7,824.1	313.0	-1,558.4	1,589.5	0.00	0.00	
8,300.0	0.00	0.00	7,924.1	313.0	-1,558.4	1,589.5	0.00	0.00	
8,400.0	0.00	0.00	8,024.1	313.0	-1,558.4	1,589.5	0.00	0.00	
8,475.8	0.00	0.00	8,100.0	313.0	-1,558.4	1,589.5	0.00	0.00	TD at 8475.8

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 10/11-13-21 PBI	0.00	0.00	8,100.0	313.0	-1,558.4	1,070,916.88	2,418,337.87	39.509452	-107.561584
- plan hits target center									
- Circle (radius 50.0)									

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Federal 10/11-13-21
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 10/11-13-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,500.0	1,415.5	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'
1,189.8	1,146.1	49.4	-245.9	EOB; Inc=29.69°
3,386.0	3,053.9	263.6	-1,312.5	Start Drop -3.00
4,375.8	4,000.0	313.0	-1,558.4	EOD; Inc=0°
8,475.8	8,100.0	313.0	-1,558.4	TD at 8475.8

Dejour Energy

Garfield County, CO

S21-T6S-R91W

Federal 10/11-13-21

DD

Plan #1

Anticollision Report

25 June, 2014

Anticollision Report

Company:	Dejour Energy	Local Co-ordinate Reference:	Well Federal 10/11-13-21
Project:	Garfield County, CO	TVD Reference:	15' KB @ 7024.0usft (Rig)
Reference Site:	S21-T6S-R91W	MD Reference:	15' KB @ 7024.0usft (Rig)
Site Error:	0.0usft	North Reference:	True
Reference Well:	Federal 10/11-13-21	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0usft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date	6/25/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	8,475.8	Plan #1 (DD)	Geolink MWD	Geolink MWD

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S21-T6S-R91W						
Federal 10/11-14-21 - DD - Plan #1	200.0	200.0	8.3	7.6	12.833	CC, ES
Federal 10/11-14-21 - DD - Plan #1	400.0	400.3	11.7	10.3	8.487	SF
Federal 10/11-15-21 - DD - Plan #1	200.0	200.0	24.2	23.6	37.513	CC, ES
Federal 10/11-15-21 - DD - Plan #1	8,475.8	8,477.6	656.9	590.5	9.902	SF
Federal 10/11-16-21 - DD - Plan #1	200.0	200.0	32.3	31.7	50.069	CC, ES
Federal 10/11-16-21 - DD - Plan #1	400.0	398.0	43.8	42.4	31.667	SF

Anticollision Report

Company:	Dejour Energy	Local Co-ordinate Reference:	Well Federal 10/11-13-21
Project:	Garfield County, CO	TVD Reference:	15' KB @ 7024.0usft (Rig)
Reference Site:	S21-T6S-R91W	MD Reference:	15' KB @ 7024.0usft (Rig)
Site Error:	0.0usft	North Reference:	True
Reference Well:	Federal 10/11-13-21	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S21-T6S-R91W - Federal 10/11-14-21 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
0.0	0.0	0.0	0.0	0.0	0.0	151.53	-7.3	4.0	8.3					
100.0	100.0	100.0	100.0	0.1	0.1	151.53	-7.3	4.0	8.3	8.0	0.30	27.932		
200.0	200.0	200.0	200.0	0.3	0.3	151.53	-7.3	4.0	8.3	7.6	0.65	12.833 CC, ES		
300.0	300.0	300.2	300.1	0.5	0.5	-132.98	-7.2	2.2	9.1	8.1	1.00	9.076		
400.0	399.6	400.3	400.1	0.7	0.7	-140.10	-7.0	-2.9	11.7	10.3	1.38	8.487 SF		
500.0	498.8	500.0	499.7	1.0	0.9	-151.84	-6.8	-9.1	18.1	16.3	1.74	10.378		
600.0	597.1	599.2	598.7	1.4	1.1	-161.16	-6.6	-15.2	29.7	27.6	2.08	14.259		
700.0	694.3	697.7	697.0	1.8	1.3	-166.76	-6.4	-21.3	46.7	44.3	2.41	19.352		
800.0	790.2	795.1	794.2	2.4	1.5	-170.11	-6.2	-27.3	69.0	66.3	2.74	25.201		
900.0	884.4	891.2	890.1	3.0	1.7	-172.23	-6.0	-33.3	96.4	93.4	3.05	31.575		
1,000.0	976.8	985.8	984.5	3.8	1.9	-173.63	-5.8	-39.1	128.9	125.5	3.36	38.352		
1,100.0	1,067.1	1,078.5	1,077.0	4.6	2.1	-174.61	-5.6	-44.8	166.3	162.6	3.66	45.468		
1,200.0	1,154.9	1,169.1	1,167.5	5.6	2.2	-175.33	-5.4	-50.4	208.4	204.5	3.95	52.816		
1,300.0	1,241.8	1,258.8	1,257.0	6.5	2.4	-175.91	-5.2	-55.9	252.5	248.3	4.28	59.071		
1,400.0	1,328.7	1,348.5	1,346.6	7.5	2.6	-176.33	-5.0	-61.5	296.7	292.1	4.60	64.430		
1,500.0	1,415.5	1,438.2	1,436.1	8.5	2.8	-176.63	-4.9	-67.0	340.8	335.9	4.93	69.076		
1,600.0	1,502.4	1,528.0	1,525.7	9.4	3.0	-176.87	-4.7	-72.6	384.9	379.7	5.26	73.141		
1,700.0	1,589.3	1,617.7	1,615.2	10.4	3.2	-177.06	-4.5	-78.1	429.1	423.5	5.59	76.729		
1,800.0	1,676.2	1,707.4	1,704.8	11.4	3.4	-177.21	-4.3	-83.6	473.2	467.3	5.92	79.920		
1,900.0	1,763.0	1,797.1	1,794.3	12.3	3.5	-177.34	-4.1	-89.2	517.4	511.1	6.25	82.776		
2,000.0	1,849.9	1,886.8	1,883.9	13.3	3.7	-177.44	-3.9	-94.7	561.5	555.0	6.58	85.348		
2,100.0	1,936.8	1,976.6	1,973.4	14.3	3.9	-177.53	-3.7	-100.2	605.7	598.8	6.91	87.675		
2,200.0	2,023.6	2,066.3	2,063.0	15.2	4.1	-177.61	-3.5	-105.8	649.8	642.6	7.24	89.792		
2,300.0	2,110.5	2,156.0	2,152.5	16.2	4.3	-177.68	-3.3	-111.3	694.0	686.4	7.57	91.726		
2,400.0	2,197.4	2,245.7	2,242.1	17.2	4.5	-177.74	-3.2	-116.9	738.2	730.3	7.89	93.500		
2,500.0	2,284.2	2,335.5	2,331.6	18.2	4.6	-177.79	-3.0	-122.4	782.3	774.1	8.22	95.132		
2,600.0	2,371.1	2,425.2	2,421.2	19.1	4.8	-177.84	-2.8	-127.9	826.5	817.9	8.55	96.640		
2,700.0	2,458.0	2,514.9	2,510.7	20.1	5.0	-177.89	-2.6	-133.5	870.6	861.7	8.88	98.036		
2,800.0	2,544.8	2,604.6	2,600.3	21.1	5.2	-177.92	-2.4	-139.0	914.8	905.6	9.21	99.333		
2,900.0	2,631.7	2,694.3	2,689.8	22.1	5.4	-177.96	-2.2	-144.5	958.9	949.4	9.54	100.542		

Anticollision Report

Company:	Dejour Energy	Local Co-ordinate Reference:	Well Federal 10/11-13-21
Project:	Garfield County, CO	TVD Reference:	15' KB @ 7024.0usft (Rig)
Reference Site:	S21-T6S-R91W	MD Reference:	15' KB @ 7024.0usft (Rig)
Site Error:	0.0usft	North Reference:	True
Reference Well:	Federal 10/11-13-21	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S21-T6S-R91W - Federal 10/11-15-21 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program:		0-Geolink MWD											Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	150.71	-21.1	11.9	24.2					
100.0	100.0	100.0	100.0	0.1	0.1	150.71	-21.1	11.9	24.2	23.9	0.30	81.645	CC, ES	
200.0	200.0	200.0	200.0	0.3	0.3	150.71	-21.1	11.9	24.2	23.6	0.65	37.513		
300.0	300.0	300.4	300.3	0.5	0.5	-129.44	-21.7	9.3	25.1	24.1	1.01	24.941		
400.0	399.6	400.7	400.3	0.7	0.7	-126.30	-23.3	1.5	27.9	26.5	1.43	19.521		
500.0	498.8	500.9	499.6	1.0	1.0	-122.27	-25.9	-11.3	32.7	30.8	1.97	16.601		
600.0	597.1	600.8	597.9	1.4	1.4	-118.27	-29.6	-29.2	39.6	36.9	2.67	14.818		
700.0	694.3	700.6	694.8	1.8	1.8	-114.78	-34.3	-52.0	48.6	45.0	3.56	13.664		
800.0	790.2	800.0	790.1	2.4	2.4	-111.90	-40.1	-79.7	59.7	55.0	4.63	12.890		
900.0	884.4	899.0	883.5	3.0	3.0	-109.58	-46.7	-112.0	72.8	66.9	5.89	12.351		
1,000.0	976.8	997.6	974.6	3.8	3.8	-107.70	-54.4	-148.9	87.9	80.5	7.35	11.961		
1,100.0	1,067.1	1,095.8	1,063.3	4.6	4.6	-106.16	-62.9	-190.1	104.9	95.9	8.99	11.665		
1,200.0	1,154.9	1,193.5	1,149.3	5.6	5.5	-104.90	-72.3	-235.5	123.7	112.9	10.81	11.446		
1,300.0	1,241.8	1,291.5	1,234.4	6.5	6.5	-104.18	-82.2	-283.2	143.4	130.7	12.66	11.325		
1,400.0	1,328.7	1,389.6	1,319.5	7.5	7.4	-103.63	-92.0	-330.9	163.1	148.5	14.52	11.228		
1,500.0	1,415.5	1,487.6	1,404.6	8.5	8.3	-103.20	-101.9	-378.6	182.7	166.3	16.39	11.148		
1,600.0	1,502.4	1,585.7	1,489.7	9.4	9.3	-102.85	-111.7	-426.3	202.4	184.1	18.26	11.083		
1,700.0	1,589.3	1,683.7	1,574.8	10.4	10.2	-102.57	-121.6	-473.9	222.1	202.0	20.14	11.028		
1,800.0	1,676.2	1,781.7	1,659.9	11.4	11.2	-102.33	-131.5	-521.6	241.8	219.8	22.02	10.982		
1,900.0	1,763.0	1,879.8	1,745.0	12.3	12.2	-102.12	-141.3	-569.3	261.5	237.6	23.90	10.942		
2,000.0	1,849.9	1,977.8	1,830.0	13.3	13.1	-101.95	-151.2	-617.0	281.2	255.4	25.78	10.907		
2,100.0	1,936.8	2,075.8	1,915.1	14.3	14.1	-101.80	-161.0	-664.6	300.9	273.2	27.66	10.877		
2,200.0	2,023.6	2,173.9	2,000.2	15.2	15.0	-101.66	-170.9	-712.3	320.6	291.0	29.55	10.850		
2,300.0	2,110.5	2,271.9	2,085.3	16.2	16.0	-101.55	-180.8	-760.0	340.3	308.9	31.43	10.827		
2,400.0	2,197.4	2,370.0	2,170.4	17.2	16.9	-101.44	-190.6	-807.7	360.0	326.7	33.32	10.805		
2,500.0	2,284.2	2,468.0	2,255.5	18.2	17.9	-101.35	-200.5	-855.4	379.7	344.5	35.20	10.786		
2,600.0	2,371.1	2,566.0	2,340.6	19.1	18.9	-101.26	-210.4	-903.0	399.4	362.3	37.09	10.769		
2,700.0	2,458.0	2,664.1	2,425.7	20.1	19.8	-101.18	-220.2	-950.7	419.1	380.1	38.97	10.754		
2,800.0	2,544.8	2,762.1	2,510.8	21.1	20.8	-101.11	-230.1	-998.4	438.8	398.0	40.86	10.739		
2,900.0	2,631.7	2,860.1	2,595.9	22.1	21.7	-101.05	-239.9	-1,046.1	458.5	415.8	42.75	10.726		
3,000.0	2,718.6	2,958.2	2,681.0	23.0	22.7	-100.99	-249.8	-1,093.7	478.2	433.6	44.64	10.714		
3,100.0	2,805.4	3,056.2	2,766.1	24.0	23.6	-100.94	-259.7	-1,141.4	498.0	451.4	46.52	10.703		
3,200.0	2,892.3	3,154.2	2,851.2	25.0	24.6	-100.89	-269.5	-1,189.1	517.7	469.2	48.41	10.693		
3,300.0	2,979.2	3,252.3	2,936.3	26.0	25.6	-100.84	-279.4	-1,236.8	537.4	487.1	50.30	10.683		
3,400.0	3,066.1	3,350.3	3,021.4	26.9	26.5	-100.88	-289.2	-1,284.5	557.1	504.9	52.19	10.673		
3,500.0	3,154.5	3,451.8	3,110.0	27.8	27.5	-101.17	-299.2	-1,332.8	576.0	522.0	53.98	10.670		
3,600.0	3,245.3	3,555.6	3,203.1	28.6	28.3	-101.40	-308.5	-1,377.7	593.1	537.5	55.59	10.669		
3,700.0	3,338.2	3,660.1	3,299.2	29.2	29.0	-101.60	-316.8	-1,417.8	608.2	551.3	56.99	10.673		
3,800.0	3,432.9	3,765.2	3,398.0	29.8	29.7	-101.78	-324.1	-1,452.9	621.4	563.2	58.19	10.679		
3,900.0	3,529.1	3,870.7	3,499.0	30.2	30.2	-101.92	-330.3	-1,482.8	632.6	573.4	59.19	10.687		
4,000.0	3,626.6	3,976.8	3,602.1	30.6	30.6	-102.04	-335.3	-1,507.3	641.7	581.7	59.99	10.696		
4,100.0	3,725.1	4,083.1	3,706.7	30.9	30.9	-102.13	-339.2	-1,526.1	648.7	588.1	60.60	10.704		
4,200.0	3,824.4	4,189.8	3,812.4	31.1	31.1	-102.19	-341.9	-1,539.3	653.5	592.5	61.02	10.711		
4,300.0	3,924.2	4,296.6	3,919.0	31.2	31.3	-102.23	-343.5	-1,546.6	656.2	595.0	61.25	10.714		
4,400.0	4,024.2	4,401.8	4,024.2	31.2	31.3	179.12	-343.8	-1,548.3	656.9	595.5	61.34	10.708		
4,500.0	4,124.2	4,501.8	4,124.2	31.3	31.3	179.12	-343.8	-1,548.3	656.9	595.4	61.43	10.693		
4,600.0	4,224.2	4,601.8	4,224.2	31.3	31.4	179.12	-343.8	-1,548.3	656.9	595.3	61.52	10.677		
4,700.0	4,324.2	4,701.8	4,324.2	31.4	31.4	179.12	-343.8	-1,548.3	656.9	595.2	61.61	10.662		
4,800.0	4,424.2	4,801.8	4,424.2	31.4	31.5	179.12	-343.8	-1,548.3	656.9	595.2	61.70	10.645		
4,900.0	4,524.2	4,901.8	4,524.2	31.5	31.5	179.12	-343.8	-1,548.3	656.9	595.1	61.80	10.629		
5,000.0	4,624.2	5,001.8	4,624.2	31.5	31.6	179.12	-343.8	-1,548.3	656.9	595.0	61.90	10.612		
5,100.0	4,724.2	5,101.8	4,724.2	31.6	31.6	179.12	-343.8	-1,548.3	656.9	594.9	62.00	10.595		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	Dejour Energy	Local Co-ordinate Reference:	Well Federal 10/11-13-21
Project:	Garfield County, CO	TVD Reference:	15' KB @ 7024.0usft (Rig)
Reference Site:	S21-T6S-R91W	MD Reference:	15' KB @ 7024.0usft (Rig)
Site Error:	0.0usft	North Reference:	True
Reference Well:	Federal 10/11-13-21	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S21-T6S-R91W - Federal 10/11-15-21 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
5,200.0	4,824.2	5,201.8	4,824.2	31.6	31.7	179.12	-343.8	-1,548.3	656.9	594.8	62.10	10.578		
5,300.0	4,924.2	5,301.8	4,924.2	31.7	31.7	179.12	-343.8	-1,548.3	656.9	594.7	62.20	10.561		
5,400.0	5,024.2	5,401.8	5,024.2	31.7	31.8	179.12	-343.8	-1,548.3	656.9	594.6	62.30	10.543		
5,500.0	5,124.2	5,501.8	5,124.2	31.8	31.8	179.12	-343.8	-1,548.3	656.9	594.4	62.41	10.525		
5,600.0	5,224.2	5,601.8	5,224.2	31.8	31.9	179.12	-343.8	-1,548.3	656.9	594.3	62.52	10.507		
5,700.0	5,324.2	5,701.8	5,324.2	31.9	31.9	179.12	-343.8	-1,548.3	656.9	594.2	62.63	10.488		
5,800.0	5,424.2	5,801.8	5,424.2	31.9	32.0	179.12	-343.8	-1,548.3	656.9	594.1	62.74	10.470		
5,900.0	5,524.2	5,901.8	5,524.2	32.0	32.0	179.12	-343.8	-1,548.3	656.9	594.0	62.85	10.451		
6,000.0	5,624.2	6,001.8	5,624.2	32.0	32.1	179.12	-343.8	-1,548.3	656.9	593.9	62.97	10.432		
6,100.0	5,724.2	6,101.8	5,724.2	32.1	32.2	179.12	-343.8	-1,548.3	656.9	593.8	63.08	10.412		
6,200.0	5,824.2	6,201.8	5,824.2	32.1	32.2	179.12	-343.8	-1,548.3	656.9	593.7	63.20	10.393		
6,300.0	5,924.2	6,301.8	5,924.2	32.2	32.3	179.12	-343.8	-1,548.3	656.9	593.5	63.32	10.373		
6,400.0	6,024.2	6,401.8	6,024.2	32.3	32.3	179.12	-343.8	-1,548.3	656.9	593.4	63.44	10.353		
6,500.0	6,124.2	6,501.8	6,124.2	32.3	32.4	179.12	-343.8	-1,548.3	656.9	593.3	63.57	10.333		
6,600.0	6,224.2	6,601.8	6,224.2	32.4	32.5	179.12	-343.8	-1,548.3	656.9	593.2	63.69	10.313		
6,700.0	6,324.2	6,701.8	6,324.2	32.4	32.5	179.12	-343.8	-1,548.3	656.9	593.0	63.82	10.292		
6,800.0	6,424.2	6,801.8	6,424.2	32.5	32.6	179.12	-343.8	-1,548.3	656.9	592.9	63.95	10.272		
6,900.0	6,524.2	6,901.8	6,524.2	32.6	32.6	179.12	-343.8	-1,548.3	656.9	592.8	64.08	10.251		
7,000.0	6,624.2	7,001.8	6,624.2	32.6	32.7	179.12	-343.8	-1,548.3	656.9	592.6	64.21	10.230		
7,100.0	6,724.2	7,101.8	6,724.2	32.7	32.8	179.12	-343.8	-1,548.3	656.9	592.5	64.34	10.209		
7,200.0	6,824.2	7,201.8	6,824.2	32.8	32.8	179.12	-343.8	-1,548.3	656.9	592.4	64.48	10.187		
7,300.0	6,924.2	7,301.8	6,924.2	32.8	32.9	179.12	-343.8	-1,548.3	656.9	592.2	64.61	10.166		
7,400.0	7,024.2	7,401.8	7,024.2	32.9	33.0	179.12	-343.8	-1,548.3	656.9	592.1	64.75	10.144		
7,500.0	7,124.2	7,501.8	7,124.2	33.0	33.0	179.12	-343.8	-1,548.3	656.9	592.0	64.89	10.122		
7,600.0	7,224.2	7,601.8	7,224.2	33.0	33.1	179.12	-343.8	-1,548.3	656.9	591.8	65.03	10.100		
7,700.0	7,324.2	7,701.8	7,324.2	33.1	33.2	179.12	-343.8	-1,548.3	656.9	591.7	65.18	10.078		
7,800.0	7,424.2	7,801.8	7,424.2	33.2	33.3	179.12	-343.8	-1,548.3	656.9	591.5	65.32	10.056		
7,900.0	7,524.2	7,901.8	7,524.2	33.3	33.3	179.12	-343.8	-1,548.3	656.9	591.4	65.47	10.033		
8,000.0	7,624.2	8,001.8	7,624.2	33.3	33.4	179.12	-343.8	-1,548.3	656.9	591.2	65.62	10.011		
8,100.0	7,724.2	8,101.8	7,724.2	33.4	33.5	179.12	-343.8	-1,548.3	656.9	591.1	65.76	9.988		
8,200.0	7,824.2	8,201.8	7,824.2	33.5	33.5	179.12	-343.8	-1,548.3	656.9	590.9	65.91	9.965		
8,300.0	7,924.2	8,301.8	7,924.2	33.6	33.6	179.12	-343.8	-1,548.3	656.9	590.8	66.07	9.942		
8,400.0	8,024.2	8,401.8	8,024.2	33.6	33.7	179.12	-343.8	-1,548.3	656.9	590.6	66.22	9.919		
8,475.8	8,100.0	8,477.6	8,100.0	33.7	33.8	179.12	-343.8	-1,548.3	656.9	590.5	66.34	9.902 SF		

Anticollision Report

Company:	Dejour Energy	Local Co-ordinate Reference:	Well Federal 10/11-13-21
Project:	Garfield County, CO	TVD Reference:	15' KB @ 7024.0usft (Rig)
Reference Site:	S21-T6S-R91W	MD Reference:	15' KB @ 7024.0usft (Rig)
Site Error:	0.0usft	North Reference:	True
Reference Well:	Federal 10/11-13-21	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S21-T6S-R91W - Federal 10/11-16-21 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.0	0.0	0.0	0.0	0.0	0.0	150.17	-28.0	16.1	32.3					
100.0	100.0	100.0	100.0	0.1	0.1	150.17	-28.0	16.1	32.3	32.0	0.30	108.973		
200.0	200.0	200.0	200.0	0.3	0.3	150.17	-28.0	16.1	32.3	31.7	0.65	50.069 CC, ES		
300.0	300.0	299.2	299.2	0.5	0.5	-132.17	-29.7	15.5	35.2	34.2	1.00	35.184		
400.0	399.6	398.0	397.8	0.7	0.7	-134.33	-34.5	13.7	43.8	42.4	1.38	31.667 SF		
500.0	498.8	495.9	495.4	1.0	0.9	-136.44	-42.4	10.9	58.1	56.3	1.81	32.091		
600.0	597.1	592.6	591.4	1.4	1.2	-138.00	-53.3	6.9	78.1	75.8	2.30	33.991		
700.0	694.3	687.6	685.3	1.8	1.5	-139.00	-67.0	1.9	103.8	100.9	2.86	36.334		
800.0	790.2	780.7	776.8	2.4	1.8	-139.57	-83.2	-4.0	134.9	131.4	3.48	38.725		
900.0	884.4	874.0	868.1	3.0	2.1	-140.32	-100.8	-10.4	170.5	166.4	4.16	40.986		
1,000.0	976.8	965.7	957.9	3.8	2.5	-141.44	-118.2	-16.7	210.1	205.2	4.87	43.170		
1,100.0	1,067.1	1,055.4	1,045.8	4.6	2.8	-142.66	-135.1	-22.9	253.6	248.0	5.59	45.347		
1,200.0	1,154.9	1,142.9	1,131.5	5.6	3.2	-143.93	-151.7	-28.9	301.1	294.7	6.33	47.568		
1,300.0	1,241.8	1,229.5	1,216.3	6.5	3.5	-145.71	-168.1	-34.8	350.3	343.3	7.06	49.632		
1,400.0	1,328.7	1,316.1	1,301.1	7.5	3.8	-147.05	-184.5	-40.8	399.8	392.0	7.78	51.358		
1,500.0	1,415.5	1,402.6	1,385.9	8.5	4.2	-148.10	-200.8	-46.8	449.3	440.8	8.51	52.820		
1,600.0	1,502.4	1,489.2	1,470.8	9.4	4.5	-148.95	-217.2	-52.7	499.0	489.8	9.23	54.073		
1,700.0	1,589.3	1,575.8	1,555.6	10.4	4.8	-149.64	-233.6	-58.7	548.7	538.8	9.95	55.158		
1,800.0	1,676.2	1,662.4	1,640.4	11.4	5.2	-150.21	-250.0	-64.6	598.5	587.8	10.67	56.106		
1,900.0	1,763.0	1,749.0	1,725.2	12.3	5.5	-150.70	-266.4	-70.6	648.3	636.9	11.39	56.940		
2,000.0	1,849.9	1,835.6	1,810.0	13.3	5.8	-151.12	-282.8	-76.6	698.1	686.0	12.10	57.681		
2,100.0	1,936.8	1,922.2	1,894.8	14.3	6.2	-151.48	-299.1	-82.5	748.0	735.2	12.82	58.343		
2,200.0	2,023.6	2,008.8	1,979.6	15.2	6.5	-151.80	-315.5	-88.5	797.9	784.4	13.54	58.937		
2,300.0	2,110.5	2,095.3	2,064.5	16.2	6.9	-152.08	-331.9	-94.4	847.8	833.6	14.26	59.474		
2,400.0	2,197.4	2,181.9	2,149.3	17.2	7.2	-152.33	-348.3	-100.4	897.7	882.8	14.97	59.961		
2,500.0	2,284.2	2,268.5	2,234.1	18.2	7.5	-152.55	-364.7	-106.3	947.7	932.0	15.69	60.405		
2,600.0	2,371.1	2,355.1	2,318.9	19.1	7.9	-152.75	-381.0	-112.3	997.6	981.2	16.40	60.812		

Anticollision Report

Company:	Dejour Energy	Local Co-ordinate Reference:	Well Federal 10/11-13-21
Project:	Garfield County, CO	TVD Reference:	15' KB @ 7024.0usft (Rig)
Reference Site:	S21-T6S-R91W	MD Reference:	15' KB @ 7024.0usft (Rig)
Site Error:	0.0usft	North Reference:	True
Reference Well:	Federal 10/11-13-21	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to 15' KB @ 7024.0usft (Rig)
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Federal 10/11-13-21
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: -1.33°

