



DIRECTIONAL TECHNOLOGIES INC.

Mostar Directional Technologies Inc.
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Dejour Energy (USA) Corp.

Garfield County Co

Pad 21A

Federal 6/7-14-21

12-05-047

Final Surveys - May 6

License:

UWI:

Survey Report

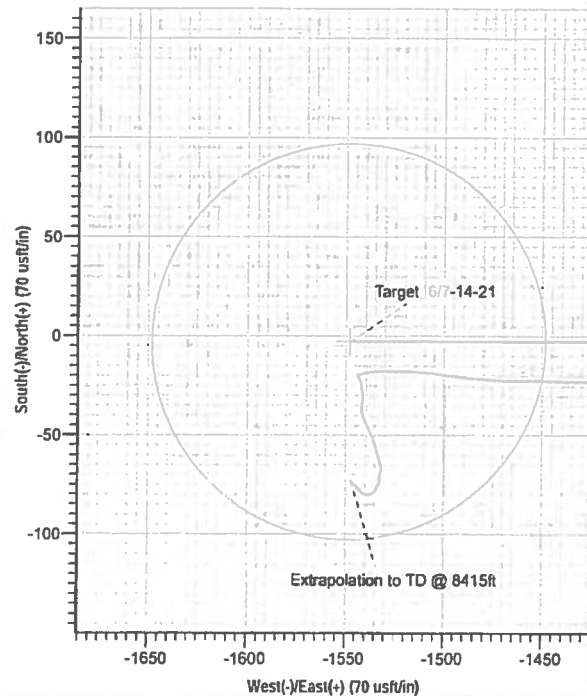
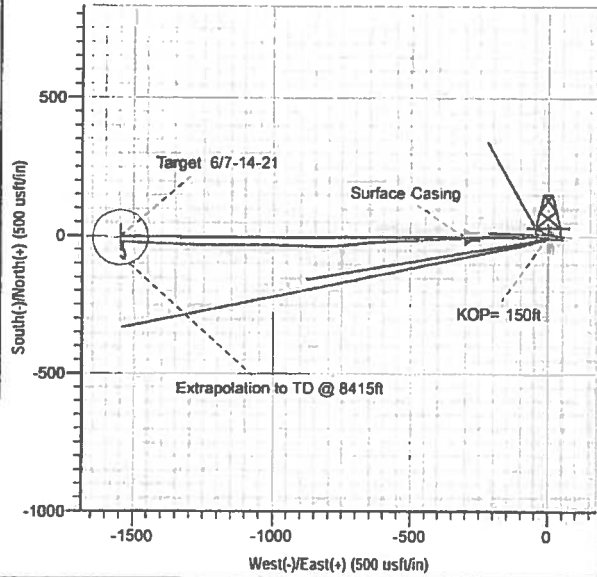
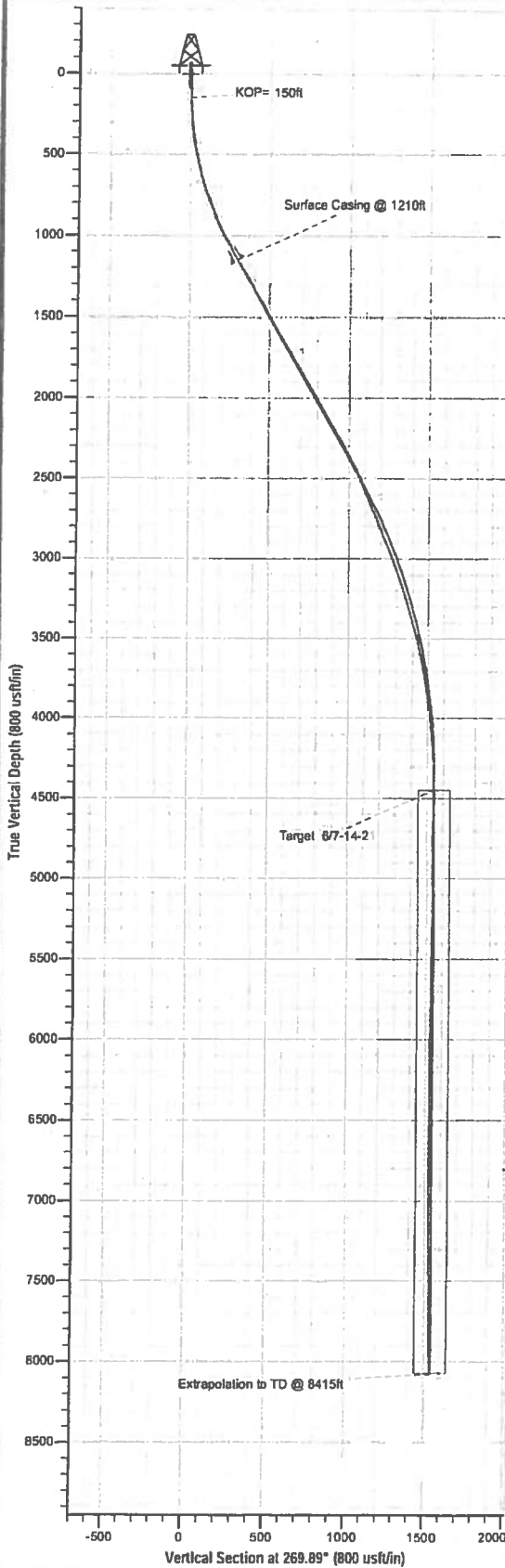
14 May, 2013

DEJ DEJOUR ENERGY INC.
RESOURCEFUL. ENTERPRISING.

REFERENCE INFORMATION
 Magnetic Declination - 9.93°
 Magnetic Dip Angle - 65.78°
 Field Strength - 52127
 Geodetic System - US State Plane 1983
 Geodetic Datum - North American Datum 1983
 Map Zone - Colorado Central Zone
 Actual KB @ 7030.00usft
 Ground Level - 7008.00
 Site Northing - 1616692.52
 Site Easting - 2419922.52

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
WC 10/11-14-21	0.00	5.00	8.66	Point
WC 10/11-15-21	0.00	-8.86	16.66	Point
WC 6/7-13-21	0.00	6.93	-4.00	Point
WC 6/7-14-21	0.00	0.00	0.00	Point
WC PWD 21-6-91	0.00	-6.93	4.00	Point
Target 6/7-14-21	4445.00	-2.99	-1547.97	Circle (Radius: 100.00)



Survey: Final Surveys - May 6 (Federal 6/7-14-21/12-05-047)

Created By: Mike Attrell

Date: 8:35, May 14 2013



Mostar Directional Technologies Inc.
Survey Report



Company:	Dejour Energy (USA) Corp.	Local Co-ordinate Reference:	Well Federal 6/7-14-21
Project:	Garfield County Co	TVD Reference:	Actual KB @ 7030.00usft
Site:	Pad 21A	MD Reference:	Actual KB @ 7030.00usft
Well:	Federal 6/7-14-21	North Reference:	True
Wellbore:	12-05-047	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys - May 6	Database:	EDM_2011

Project	Garfield County Co		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		Using geodetic scale factor

Site	Pad 21A				
Site Position:		Northing:	1,616,692.52 usft	Latitude:	39° 30' 30.877 N
From:	Map	Easting:	2,419,922.52 usft	Longitude:	107° 33' 21.938 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.30 °

Well	Federal 6/7-14-21					
Well Position	+N/-S	0.00 usft	Northing:	1,616,685.50 usft	Latitude:	39° 30' 30.809 N
	+E/-W	0.00 usft	Easting:	2,419,926.36 usft	Longitude:	107° 33' 21.887 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	7,008.00 usft

Wellbore	12-05-047	Well UWI		License	
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	19/03/2013	(°)	(°)	(nT)
			9.93	65.78	52.127

Design	Final Surveys - May 6				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:		Depth From (TVD)	+N/-S	+E/-W	Direction
		(usft)	(usft)	(usft)	(°)
		0.00	0.00	0.00	269.89

Survey Program		Date	14/05/2013		
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
146.00	8,415.00	Final Surveys - May 6 (12-05-047)	Mostar MWD	MWD - Standard	

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	7,030.00	0.00	0.00	0.00	0.00	0.00	0.00
146.00	0.40	295.70	146.00	6,884.00	0.22	-0.46	0.46	0.27	0.27	0.00
KOP= 160ft										
150.00	0.51	290.65	150.00	6,880.00	0.23	-0.49	0.49	2.84	2.66	-126.22
176.00	1.23	279.93	176.00	6,854.00	0.32	-0.87	0.87	2.84	2.78	-41.24
206.00	1.50	276.50	205.99	6,824.01	0.42	-1.58	1.58	0.94	0.90	-11.43
266.00	3.16	278.88	265.94	6,764.06	0.77	-3.99	3.99	2.77	2.77	3.97
297.00	4.26	277.82	296.87	6,733.13	1.05	-5.98	5.98	3.56	3.55	-3.42
357.00	7.38	273.60	356.55	6,673.45	1.60	-12.03	12.03	5.25	5.20	-7.03
447.00	10.20	272.20	445.49	6,584.51	2.27	-25.77	25.76	3.14	3.13	-1.56



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Site:	Pad 21A	MD Reference:	Actual KB @ 7030.00usft
Well:	Federal 6/7-14-21	North Reference:	True
Wellbore:	12-05-047	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys - May 6	Database:	EDM_2011

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	SS- (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
538.00	12.83	274.66	534.65	6,495.35	3.40	-43.89	43.89	2.94	2.89	2.70
628.00	15.42	274.04	621.92	6,408.08	5.05	-65.79	65.78	2.88	2.88	-0.69
722.00	19.34	271.14	711.61	6,318.39	6.25	-93.83	93.82	4.27	4.17	-3.09
812.00	20.87	269.56	796.13	6,233.87	6.42	-124.76	124.75	1.80	1.70	-1.76
902.00	23.73	267.98	879.39	6,150.61	5.66	-158.90	158.89	3.25	3.18	-1.76
993.00	26.50	266.83	961.78	6,068.22	3.89	-197.48	197.47	3.09	3.04	-1.26
1,088.00	28.39	267.36	1,046.08	5,983.92	1.68	-241.20	241.20	2.01	1.99	0.56
1,170.00	29.71	267.45	1,117.76	5,912.24	-0.13	-280.98	280.98	1.61	1.61	0.11
Surface Casing										
1,210.00	29.81	267.21	1,152.49	5,877.51	-1.05	-300.81	300.81	0.39	0.25	-0.60
1,245.00	29.90	267.00	1,182.84	5,847.16	-1.93	-318.21	318.22	0.39	0.25	-0.60
1,340.00	30.90	267.30	1,264.78	5,765.22	-4.32	-366.23	366.23	1.06	1.05	0.32
1,435.00	31.25	267.83	1,346.15	5,683.85	-6.40	-415.22	415.23	0.47	0.37	0.56
1,530.00	30.59	267.22	1,427.65	5,602.35	-8.51	-463.99	464.00	0.77	-0.69	-0.64
1,624.00	30.41	266.60	1,508.64	5,521.36	-11.08	-511.62	511.64	0.39	-0.19	-0.66
1,719.00	30.28	265.37	1,590.63	5,439.37	-14.44	-559.50	559.53	0.67	-0.14	-1.29
1,815.00	29.71	268.45	1,673.77	5,356.23	-17.03	-607.41	607.44	1.71	-0.59	3.21
1,909.00	30.85	263.96	1,754.96	5,275.04	-20.20	-654.67	654.70	2.70	1.21	-4.78
1,950.00	30.85	263.96	1,790.16	5,239.84	-22.41	-675.57	675.62	0.00	0.00	0.00
2,004.00	30.98	261.85	1,836.49	5,193.51	-25.84	-703.10	703.15	2.02	0.24	-3.91
2,099.00	30.54	265.37	1,918.13	5,111.87	-31.26	-751.37	751.43	1.95	-0.46	3.71
2,195.00	29.58	268.71	2,001.22	5,028.78	-33.76	-799.37	799.43	2.01	-1.00	3.48
2,289.00	29.27	273.02	2,083.10	4,946.90	-33.07	-845.52	845.58	2.28	-0.33	4.59
2,384.00	30.32	272.58	2,165.55	4,864.46	-30.77	-892.67	892.73	1.13	1.11	-0.46
2,480.00	30.76	271.35	2,248.23	4,781.77	-29.10	-941.42	941.47	0.80	0.46	-1.28
2,575.00	28.52	270.20	2,330.79	4,699.21	-28.45	-988.39	988.44	2.43	-2.36	-1.21
2,670.00	25.44	270.73	2,415.44	4,614.56	-28.11	-1,031.48	1,031.54	3.25	-3.24	0.56
2,765.00	22.98	270.73	2,502.08	4,527.92	-27.61	-1,070.43	1,070.49	2.59	-2.59	0.00
2,860.00	22.24	270.03	2,589.78	4,440.22	-27.37	-1,106.96	1,107.01	0.83	-0.78	-0.74
2,955.00	22.68	268.89	2,677.57	4,352.43	-27.71	-1,143.25	1,143.30	0.65	0.46	-1.20
3,050.00	23.03	268.01	2,765.12	4,264.88	-28.71	-1,180.13	1,180.18	0.51	0.37	-0.93
3,145.00	22.24	271.52	2,852.80	4,177.20	-28.88	-1,216.68	1,216.73	1.65	-0.83	3.69
3,240.00	22.72	269.94	2,940.58	4,089.42	-28.42	-1,252.99	1,253.05	0.81	0.51	-1.66
3,335.00	19.90	272.21	3,029.08	4,000.92	-27.82	-1,287.50	1,287.55	3.09	-2.97	2.39
3,430.00	17.93	271.70	3,118.95	3,911.05	-26.76	-1,318.28	1,318.33	2.08	-2.07	-0.54
3,525.00	18.68	271.26	3,209.14	3,820.86	-25.99	-1,348.11	1,348.15	0.80	0.79	-0.46
3,620.00	16.88	271.00	3,299.60	3,730.40	-25.42	-1,377.11	1,377.15	1.90	-1.89	-0.27
3,715.00	14.72	273.02	3,391.00	3,639.00	-24.54	-1,402.95	1,403.00	2.35	-2.27	2.13
3,810.00	14.90	273.63	3,482.85	3,547.15	-23.13	-1,427.20	1,427.24	0.25	0.19	0.64
3,905.00	13.36	269.50	3,574.97	3,455.03	-22.45	-1,450.36	1,450.40	1.94	-1.82	-4.35
4,000.00	11.25	272.23	3,667.79	3,362.21	-22.19	-1,470.60	1,470.64	2.30	-2.22	2.87
4,095.00	8.53	275.74	3,761.37	3,268.63	-21.12	-1,486.87	1,486.91	2.93	-2.86	3.69



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Wellbore:	12-05-047	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys - May 6	Database:	EDM_2011

Survey											
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,224.00	7.96	279.32	3,889.03	3,140.97	-18.72	-1,505.21	1,505.24	0.59	-0.44	2.78	
4,319.00	7.91	289.82	3,983.13	3,046.87	-17.67	-1,518.24	1,518.27	1.38	-0.05	-10.00	
4,414.00	5.85	270.79	4,077.44	2,952.56	-17.63	-1,529.62	1,529.65	2.17	-2.17	1.02	
4,509.00	3.82	259.19	4,172.10	2,857.90	-18.15	-1,537.57	1,537.60	2.36	-2.14	-12.21	
4,604.00	1.89	262.53	4,266.97	2,763.03	-18.95	-1,542.23	1,542.26	2.04	-2.03	3.52	
4,699.00	0.13	182.20	4,361.96	2,668.04	-19.26	-1,543.79	1,543.82	1.97	-1.85	-84.56	
4,794.00	0.44	178.50	4,456.96	2,573.04	-19.74	-1,543.78	1,543.82	0.33	0.33	-3.89	
4,890.00	0.40	135.00	4,552.95	2,477.05	-20.34	-1,543.53	1,543.57	0.33	-0.04	-45.31	
4,985.00	0.53	151.61	4,647.95	2,382.05	-20.96	-1,543.09	1,543.13	0.20	0.14	17.48	
5,080.00	0.88	158.47	4,742.94	2,287.06	-22.03	-1,542.61	1,542.65	0.38	0.37	7.22	
5,175.00	1.41	166.99	4,837.92	2,192.08	-23.84	-1,542.08	1,542.13	0.58	0.56	8.97	
5,270.00	1.93	171.30	4,932.88	2,097.12	-26.56	-1,541.58	1,541.63	0.56	0.55	4.54	
5,365.00	1.76	174.64	5,027.83	2,002.17	-29.60	-1,541.20	1,541.25	0.21	-0.18	3.52	
5,460.00	1.80	186.85	5,122.79	1,907.21	-32.53	-1,541.24	1,541.30	0.40	0.04	12.85	
5,555.00	1.67	189.67	5,217.75	1,812.26	-35.38	-1,541.65	1,541.72	0.16	-0.14	2.97	
5,650.00	1.50	168.84	5,312.71	1,717.29	-37.96	-1,541.64	1,541.71	0.63	-0.18	-21.93	
5,745.00	1.58	166.29	5,407.68	1,622.32	-40.46	-1,541.09	1,541.17	0.11	0.08	-2.68	
5,840.00	1.45	155.74	5,502.64	1,527.36	-42.82	-1,540.29	1,540.37	0.32	-0.14	-11.11	
5,935.00	1.27	153.63	5,597.62	1,432.38	-44.86	-1,539.33	1,539.41	0.20	-0.19	-2.22	
6,030.00	1.50	155.13	5,692.59	1,337.41	-46.93	-1,538.34	1,538.42	0.25	0.24	1.58	
6,125.00	1.67	151.26	5,787.55	1,242.45	-49.28	-1,537.15	1,537.24	0.21	0.18	-4.07	
6,220.00	1.36	157.85	5,882.52	1,147.48	-51.53	-1,536.06	1,536.15	0.37	-0.33	6.94	
6,315.00	1.63	161.45	5,977.49	1,052.51	-53.86	-1,535.20	1,535.30	0.30	0.28	3.79	
6,410.00	1.45	169.80	6,072.45	957.55	-56.32	-1,534.56	1,534.66	0.30	-0.19	8.79	
6,505.00	1.58	163.74	6,167.42	862.58	-58.76	-1,533.98	1,534.09	0.22	0.14	-6.38	
6,600.00	1.36	161.19	6,262.39	767.61	-61.09	-1,533.25	1,533.36	0.24	-0.23	-2.68	
6,698.00	1.41	161.28	6,358.36	671.64	-63.28	-1,532.50	1,532.62	0.05	0.05	0.09	
6,791.00	0.88	167.61	6,453.34	576.66	-65.10	-1,531.97	1,532.09	0.57	-0.56	6.66	
6,886.00	1.05	177.63	6,548.33	481.67	-66.69	-1,531.78	1,531.90	0.25	0.18	10.55	
6,980.00	1.10	189.32	6,642.31	387.69	-68.44	-1,531.89	1,532.02	0.24	0.05	12.44	
7,075.00	1.10	189.14	6,737.29	292.71	-70.24	-1,532.18	1,532.31	0.00	0.00	-0.19	
7,170.00	1.23	184.66	6,832.27	197.73	-72.15	-1,532.41	1,532.55	0.17	0.14	-4.72	
7,265.00	0.88	178.94	6,927.26	102.74	-73.90	-1,532.48	1,532.62	0.38	-0.37	-6.02	
7,360.00	1.10	218.93	7,022.24	7.76	-75.34	-1,533.04	1,533.18	0.75	0.23	42.09	
7,455.00	1.05	196.17	7,117.23	-87.23	-76.88	-1,533.85	1,534.00	0.45	-0.05	-23.96	
7,550.00	0.92	210.32	7,212.21	-182.21	-78.38	-1,534.48	1,534.63	0.29	-0.14	14.89	
7,645.00	0.53	241.96	7,307.21	-277.21	-79.24	-1,535.25	1,535.40	0.57	-0.41	33.31	
7,740.00	0.53	230.01	7,402.20	-372.20	-79.73	-1,535.98	1,536.13	0.12	0.00	-12.58	
7,835.00	0.92	255.67	7,497.19	-467.19	-80.20	-1,537.05	1,537.21	0.52	0.41	27.01	
7,930.00	0.57	264.99	7,592.19	-562.19	-80.43	-1,538.26	1,538.42	0.39	-0.37	9.81	
8,025.00	0.75	268.50	7,687.18	-657.18	-80.49	-1,539.36	1,539.51	0.19	0.19	3.69	
8,120.00	1.19	311.04	7,782.17	-752.17	-79.86	-1,540.72	1,540.87	0.86	0.46	44.78	
8,215.00	1.71	321.85	7,877.14	-847.14	-78.10	-1,542.34	1,542.49	0.62	0.55	11.38	



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Well:	Federal 6/7-14-21	North Reference:	True
Wellbore:	12-05-047	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys - May 6	Database:	EDM_2011

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
8,310.00	1.93	308.23	7,972.09	-942.09	-75.99	-1,544.47	1,544.62	0.51	0.23	-14.34
8,372.00	2.11	321.59	8,034.05	-1,004.05	-74.45	-1,546.00	1,546.14	0.81	0.29	21.55
Extrapolation to TD @ 8416ft										
8,415.00	2.11	321.59	8,077.02	-1,047.02	-73.21	-1,546.99	1,547.12	0.00	0.00	0.00

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,210.00	1,152.49	Surface Casing		

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
150.00	150.00	0.23	-0.49	KOP= 150ft
8,415.00	8,077.02	-73.21	-1,546.99	Extrapolation to TD @ 8415ft