

WMOC

MAR 12 2020

Form C-102

Revised August 1, 2011

DISTRICT III

Submit one copy to appropriate District Office

DISTRICT I

1625 N. French Dr., Hobbs, N.M. 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II

611 S. First St., Artesia, N.M. 88210
Phone: (505) 745-1283 Fax: (505) 745-9720

DISTRICT III

1000 Rio Bravo Rd., Aztec, N.M. 87410
Phone: (505) 334-8178 Fax: (505) 334-8170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

☒ AS-DRILLED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35650	² Pool Code 98080	³ Pool Name NAGEEZI UNIT MANCOS OIL POOL
⁴ Property Code 325268	⁵ Property Name NAGEEZI UNIT	⁶ Well Number 628H
⁷ OGRIID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6800.6'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	30	24N	8W	4	1162'	SOUTH	454'	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	25	24N	9W		354'	NORTH	1712'	WEST	SAN JUAN

¹² Dedicated Acres
PENETRATED SPACING UNIT;
SEC 25: NW/SE, NE/SE, SE/NE, SW/NE, NW/NE,
SE/NW & NE/NW = 280 ACRES

¹³ Joint or Infill

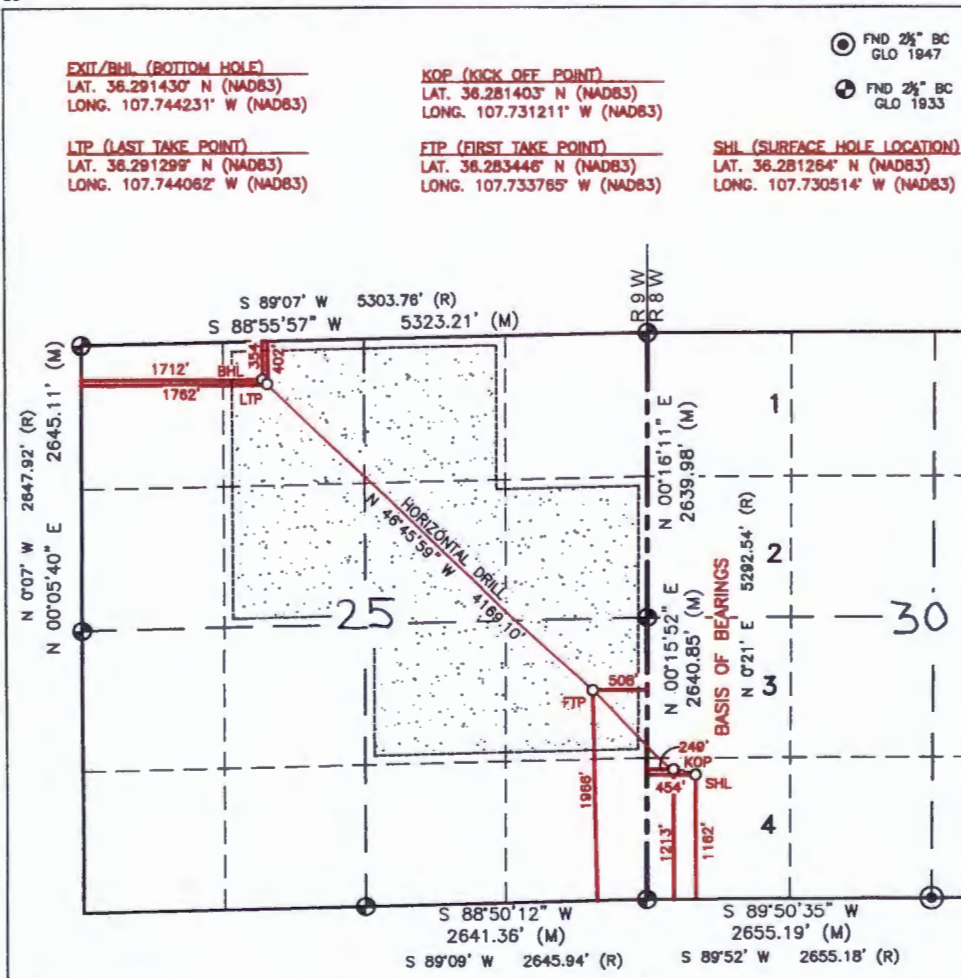
¹⁴ Consolidation Code

¹⁵ Order No.

R-13856, R-13856A

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Shaw-Marie Ford 3/9/2020
Signature Date

Shaw-Marie Ford

Printed Name

sford@djrlc.com

E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

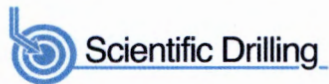
MARCH 9, 2020

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

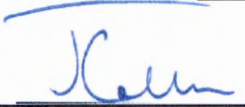


Directional Survey Certification

2948 I-70 Business Loop
Grand Junction, CO 81504
(970)-245-9447 Fax (970)-245-9454

Operator	DJR Operating
Well Name & No.	Nageezi M30 2408 628H
County & State	San Juan, NM
SDI Job No.	OP.022369
Rig	Aztec 920

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 438 feet to a measured depth of 10,289 feet is true and correct as determined from all available records.



Signature

12-Dec-19

Date

Janie Collins
Colorado District Well Planner
Scientific Drilling International

Company:	DJR Operating	Local Co-ordinate Reference:	Well 628H
Project:	Nageezi Unit	TVD Reference:	GL 6801' 7 RKB 14' @ 6815.00usft (Aztec 920)
Site:	M30 2408	MD Reference:	GL 6801' 7 RKB 14' @ 6815.00usft (Aztec 920)
Well:	628H	North Reference:	True
Wellbore:	Original drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original drilling	Database:	Grand Junction

Project	Nageezi Unit		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	M30 2408				
Site Position:		Northing:	1,921,666.32 usft	Latitude:	36.2811840
From:	Lat/Long	Easting:	2,753,388.34 usft	Longitude:	-107.7305400
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.06 °

Well	628H					
Well Position	+N/-S	0.00 usft	Northing:	1,921,695.45 usft	Latitude:	36.2812640
	+E/-W	0.00 usft	Easting:	2,753,395.97 usft	Longitude:	-107.7305140
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,801.00 usft

Wellbore	Original drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	11/21/2019	8.77	62.80	49,441.30000000

Design	Original drilling				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	312.459	

Survey Program	Date	12/12/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
438.00	4,427.00	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4,490.00	5,612.00	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5,680.00	10,289.00	Survey #3 - Lateral MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	

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)	
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
438.00	1.36	288.900	437.96	1.68	-4.92	4.76	0.31	0.31	0.00	
499.00	2.59	293.590	498.92	2.47	-6.87	6.73	2.03	2.02	7.69	
560.00	2.98	293.460	559.85	3.65	-9.58	9.54	0.64	0.64	-0.21	
620.00	3.15	303.380	619.76	5.18	-12.39	12.64	0.93	0.28	16.53	
681.00	3.69	284.790	680.66	6.60	-15.69	16.03	2.01	0.89	-30.48	
742.00	3.87	277.880	741.52	7.39	-19.63	19.47	0.80	0.30	-11.33	
804.00	3.00	273.120	803.41	7.76	-23.32	22.44	1.48	-1.40	-7.68	
865.00	2.82	268.820	864.33	7.82	-26.41	24.76	0.46	-0.30	-7.05	

Company:	DJR Operating	Local Co-ordinate Reference:	Well 628H
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Well:	628H	North Reference:	True
Wellbore:	Original drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original drilling	Database:	Grand Junction

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)
925.00	2.91	276.000	924.26	7.95	-29.40	27.06	0.62	0.15	11.97
986.00	2.23	257.830	985.20	7.86	-32.10	28.99	1.73	-1.11	-29.79
1,048.00	2.14	265.910	1,047.15	7.52	-34.44	30.48	0.52	-0.15	13.03
1,109.00	1.65	298.900	1,108.12	7.87	-36.34	32.12	1.92	-0.80	54.08
1,170.00	1.51	278.350	1,169.10	8.41	-37.91	33.64	0.95	-0.23	-33.69
1,232.00	1.68	268.420	1,231.08	8.50	-39.62	34.97	0.52	0.27	-16.02
1,293.00	2.31	280.270	1,292.04	8.69	-41.73	36.65	1.23	1.03	19.43
1,354.00	2.26	264.570	1,352.99	8.80	-44.13	38.50	1.03	-0.08	-25.74
1,413.00	2.00	266.010	1,411.95	8.62	-46.32	39.99	0.45	-0.44	2.44
1,474.00	1.98	262.070	1,472.91	8.40	-48.42	41.39	0.23	-0.03	-6.46
1,535.00	2.42	281.880	1,533.87	8.52	-50.73	43.17	1.43	0.72	32.48
1,596.00	2.96	296.100	1,594.80	9.48	-53.40	45.79	1.40	0.89	23.31
1,657.00	3.66	302.350	1,655.70	11.21	-56.46	49.22	1.29	1.15	10.25
1,718.00	4.06	301.480	1,716.56	13.38	-59.95	53.26	0.66	0.66	-1.43
1,781.00	4.07	295.550	1,779.40	15.51	-63.87	57.59	0.67	0.02	-9.41
1,840.00	3.80	294.490	1,838.26	17.22	-67.53	61.45	0.47	-0.46	-1.80
1,903.00	3.97	295.800	1,901.12	19.04	-71.40	65.53	0.30	0.27	2.08
1,966.00	3.88	295.420	1,963.97	20.90	-75.29	69.65	0.15	-0.14	-0.60
2,029.00	4.07	293.430	2,026.82	22.71	-79.26	73.80	0.37	0.30	-3.16
2,092.00	3.87	289.330	2,089.67	24.30	-83.32	77.87	0.55	-0.32	-6.51
2,155.00	3.98	293.560	2,152.52	25.88	-87.33	81.90	0.49	0.17	6.71
2,218.00	3.75	291.830	2,215.38	27.52	-91.25	85.89	0.41	-0.37	-2.75
2,281.00	3.27	291.010	2,278.26	28.93	-94.84	89.49	0.77	-0.76	-1.30
2,344.00	3.48	295.360	2,341.15	30.39	-98.24	92.99	0.53	0.33	6.90
2,407.00	3.20	298.220	2,404.04	32.04	-101.52	96.53	0.52	-0.44	4.54
2,470.00	3.19	298.770	2,466.95	33.71	-104.61	99.93	0.05	-0.02	0.87
2,533.00	3.04	292.550	2,529.85	35.20	-107.69	103.21	0.59	-0.24	-9.87
2,597.00	2.98	294.440	2,593.76	36.54	-110.77	106.39	0.18	-0.09	2.95
2,660.00	3.44	289.270	2,656.67	37.84	-114.04	109.68	0.86	0.73	-8.21
2,723.00	3.59	287.770	2,719.55	39.07	-117.70	113.21	0.28	0.24	-2.38
2,786.00	4.06	277.760	2,782.41	39.97	-121.79	116.84	1.29	0.75	-15.89
2,849.00	4.15	272.130	2,845.25	40.35	-126.28	120.41	0.66	0.14	-8.94
2,912.00	4.08	277.070	2,908.08	40.71	-130.78	123.97	0.57	-0.11	7.84
2,975.00	3.99	269.380	2,970.93	40.97	-135.20	127.40	0.87	-0.14	-12.21
3,038.00	3.82	269.820	3,033.78	40.94	-139.49	130.54	0.27	-0.27	0.70
3,101.00	3.88	267.090	3,096.64	40.82	-143.72	133.59	0.31	0.10	-4.33
3,164.00	3.60	264.240	3,159.51	40.52	-147.81	136.40	0.53	-0.44	-4.52
3,227.00	3.48	263.000	3,222.38	40.08	-151.68	138.96	0.23	-0.19	-1.97
3,290.00	3.43	263.900	3,285.27	39.65	-155.45	141.45	0.12	-0.08	1.43
3,353.00	3.51	264.470	3,348.15	39.26	-159.24	143.99	0.14	0.13	0.90
3,417.00	3.17	253.150	3,412.05	38.56	-162.89	146.20	1.16	-0.53	-17.69
3,480.00	2.14	254.230	3,474.98	37.74	-165.69	147.71	1.64	-1.63	1.71
3,543.00	2.42	261.560	3,537.93	37.22	-168.13	149.17	0.64	0.44	11.63

Company:	DJR Operating	Local Co-ordinate Reference:	Well 628H
Project:	Nageezi Unit	TVD Reference:	GL 6801' 7 RKB 14' @ 6815.00usft (Aztec 920)
Site:	M30 2408	MD Reference:	GL 6801' 7 RKB 14' @ 6815.00usft (Aztec 920)
Well:	628H	North Reference:	True
Wellbore:	Original drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original drilling	Database:	Grand Junction

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)
3,606.00	2.76	270.530	3,600.86	37.04	-170.97	151.14	0.84	0.54	14.24
3,669.00	2.55	257.840	3,663.80	36.76	-173.85	153.08	0.99	-0.33	-20.14
3,732.00	2.35	274.930	3,726.74	36.58	-176.51	154.91	1.20	-0.32	27.13
3,795.00	2.26	281.870	3,789.69	36.94	-179.01	157.01	0.47	-0.14	11.02
3,858.00	2.83	299.200	3,852.63	37.96	-181.59	159.59	1.51	0.90	27.51
3,921.00	2.78	300.030	3,915.55	39.48	-184.27	162.60	0.10	-0.08	1.32
3,984.00	2.57	304.940	3,978.48	41.05	-186.75	165.49	0.49	-0.33	7.79
4,047.00	2.50	306.640	4,041.42	42.68	-189.01	168.26	0.16	-0.11	2.70
4,111.00	2.39	301.890	4,105.36	44.22	-191.26	170.96	0.36	-0.17	-7.42
4,174.00	2.43	300.830	4,168.31	45.60	-193.52	173.56	0.10	0.06	-1.68
4,237.00	2.05	305.650	4,231.26	46.94	-195.59	175.98	0.67	-0.60	7.65
4,300.00	2.47	293.090	4,294.21	48.13	-197.75	178.38	1.03	0.67	-19.94
4,363.00	2.63	290.630	4,357.15	49.17	-200.35	181.01	0.31	0.25	-3.90
4,427.00	2.18	289.210	4,421.09	50.09	-202.87	183.49	0.71	-0.70	-2.22
4,490.00	2.52	273.360	4,484.04	50.56	-205.39	185.66	1.16	0.54	-25.16
4,553.00	2.74	277.510	4,546.97	50.84	-208.26	187.97	0.46	0.35	6.59
4,602.00	2.75	274.890	4,595.92	51.10	-210.60	189.86	0.26	0.02	-5.35
4,665.00	5.95	287.360	4,658.73	52.20	-215.22	194.02	5.27	5.08	19.79
4,729.00	12.73	294.080	4,721.85	56.07	-224.84	203.73	10.71	10.59	10.50
4,791.00	19.57	298.230	4,781.37	63.78	-240.24	220.29	11.18	11.03	6.69
4,855.00	24.12	306.100	4,840.77	76.56	-260.26	243.70	8.44	7.11	12.30
4,918.00	28.70	312.080	4,897.19	94.30	-281.91	271.64	8.40	7.27	9.49
4,981.00	32.89	314.480	4,951.29	116.43	-305.35	303.87	6.93	6.65	3.81
5,044.00	36.66	312.870	5,003.03	141.22	-331.35	339.79	6.16	5.98	-2.56
5,107.00	40.56	315.580	5,052.26	168.65	-359.49	379.07	6.74	6.19	4.27
5,171.00	44.35	315.840	5,099.47	199.57	-389.65	422.19	5.93	5.92	0.44
5,233.00	48.81	316.380	5,142.07	232.02	-420.86	467.12	7.22	7.19	0.87
5,297.00	53.49	315.600	5,182.21	267.85	-455.49	516.85	7.37	7.31	-1.22
5,359.00	60.30	315.020	5,216.05	304.74	-492.00	568.70	11.01	10.98	-0.94
5,423.00	67.36	316.650	5,244.26	345.94	-531.97	625.99	11.27	11.03	2.55
5,486.00	72.37	316.250	5,265.94	388.79	-572.71	684.98	7.97	7.95	-0.63
5,549.00	77.33	316.290	5,282.40	432.72	-614.74	745.64	7.87	7.87	0.06
5,612.00	81.99	315.840	5,293.71	477.34	-657.73	807.48	7.43	7.40	-0.71
5,680.00	86.44	316.600	5,300.56	526.17	-704.52	874.97	6.64	6.54	1.12
5,740.00	88.05	316.450	5,303.44	569.66	-745.76	934.74	2.69	2.68	-0.25
5,801.00	88.69	316.310	5,305.18	613.80	-787.82	995.58	1.07	1.05	-0.23
5,861.00	88.46	316.000	5,306.67	657.06	-829.37	1,055.43	0.64	-0.38	-0.52
5,922.00	89.40	316.230	5,307.81	701.02	-871.65	1,116.30	1.59	1.54	0.38
5,983.00	90.50	317.300	5,307.86	745.46	-913.43	1,177.12	2.52	1.80	1.75
6,044.00	89.23	315.760	5,308.01	789.72	-955.40	1,237.97	3.27	-2.08	-2.52
6,104.00	89.60	316.330	5,308.62	832.91	-997.04	1,297.85	1.13	0.62	0.95
6,165.00	89.13	314.940	5,309.29	876.52	-1,039.69	1,358.75	2.41	-0.77	-2.28
6,226.00	89.60	313.960	5,309.97	919.23	-1,083.23	1,419.71	1.78	0.77	-1.61

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Design:	Original drilling	Database:	Grand Junction

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)
6,286.00	89.13	313.420	5,310.63	960.68	-1,126.61	1,479.69	1.19	-0.78	-0.90
6,346.00	90.13	313.560	5,311.02	1,001.97	-1,170.14	1,539.68	1.68	1.67	0.23
6,407.00	89.70	311.860	5,311.11	1,043.34	-1,214.96	1,600.67	2.87	-0.70	-2.79
6,468.00	89.93	311.930	5,311.31	1,084.08	-1,260.37	1,661.67	0.39	0.38	0.11
6,529.00	89.90	311.450	5,311.40	1,124.65	-1,305.92	1,722.66	0.79	-0.05	-0.79
6,589.00	89.40	309.770	5,311.77	1,163.70	-1,351.47	1,782.63	2.92	-0.83	-2.80
6,650.00	89.33	308.970	5,312.44	1,202.39	-1,398.62	1,843.54	1.32	-0.11	-1.31
8,711.00	90.13	310.780	5,312.73	1,241.50	-1,445.43	1,904.47	3.24	1.31	2.97
6,771.00	90.57	312.100	5,312.36	1,281.20	-1,490.41	1,964.46	2.32	0.73	2.20
6,832.00	90.47	310.960	5,311.81	1,321.65	-1,536.07	2,025.45	1.88	-0.16	-1.87
6,893.00	89.93	310.410	5,311.60	1,361.41	-1,582.33	2,086.42	1.26	-0.89	-0.90
6,955.00	89.60	311.380	5,311.85	1,402.00	-1,629.19	2,148.39	1.65	-0.53	1.56
7,016.00	89.30	312.380	5,312.44	1,442.72	-1,674.61	2,209.39	1.71	-0.49	1.64
7,077.00	88.59	312.830	5,313.56	1,484.01	-1,719.50	2,270.37	1.38	-1.16	0.74
7,137.00	88.66	314.040	5,315.00	1,525.24	-1,763.05	2,330.35	2.02	0.12	2.02
7,198.00	88.96	314.570	5,316.27	1,567.84	-1,806.70	2,391.30	1.00	0.49	0.87
7,259.00	89.13	314.540	5,317.28	1,610.63	-1,850.16	2,452.25	0.28	0.28	-0.05
7,321.00	90.13	315.200	5,317.68	1,654.37	-1,894.10	2,514.20	1.93	1.61	1.06
7,382.00	90.00	315.440	5,317.61	1,697.75	-1,936.99	2,575.12	0.45	-0.21	0.39
7,442.00	89.77	314.980	5,317.74	1,740.33	-1,979.26	2,635.05	0.86	-0.38	-0.77
7,503.00	89.36	314.240	5,318.20	1,783.17	-2,022.68	2,696.00	1.39	-0.67	-1.21
7,564.00	89.20	314.180	5,318.96	1,825.70	-2,066.40	2,756.97	0.28	-0.26	-0.10
7,625.00	89.40	314.390	5,319.71	1,868.29	-2,110.07	2,817.94	0.48	0.33	0.34
7,686.00	90.40	314.380	5,319.82	1,910.95	-2,153.66	2,878.90	1.64	1.64	-0.02
7,747.00	90.10	313.970	5,319.55	1,953.46	-2,197.41	2,939.87	0.83	-0.49	-0.67
7,808.00	89.63	313.590	5,319.69	1,995.67	-2,241.45	3,000.86	0.99	-0.77	-0.62
7,870.00	89.53	315.080	5,320.15	2,038.99	-2,285.80	3,062.82	2.41	-0.16	2.40
7,931.00	91.07	315.330	5,319.83	2,082.28	-2,328.78	3,123.75	2.56	2.52	0.41
7,992.00	89.90	314.460	5,319.31	2,125.33	-2,371.99	3,184.69	2.39	-1.92	-1.43
8,053.00	89.46	314.120	5,319.65	2,167.92	-2,415.65	3,245.66	0.91	-0.72	-0.56
8,113.00	89.26	313.690	5,320.32	2,209.53	-2,458.88	3,305.63	0.79	-0.33	-0.72
8,175.00	89.20	313.350	5,321.16	2,252.22	-2,503.83	3,367.62	0.56	-0.10	-0.55
8,236.00	88.53	313.840	5,322.37	2,294.27	-2,548.00	3,428.59	1.36	-1.10	0.80
8,296.00	88.39	313.820	5,323.98	2,335.81	-2,591.27	3,488.55	0.24	-0.23	-0.03
8,356.00	87.96	313.210	5,325.89	2,377.10	-2,634.76	3,548.51	1.24	-0.72	-1.02
8,417.00	87.58	312.800	5,328.26	2,418.68	-2,679.33	3,609.46	0.92	-0.62	-0.67
8,477.00	88.32	313.040	5,330.41	2,459.51	-2,723.24	3,669.42	1.30	1.23	0.40
8,537.00	88.49	313.530	5,332.08	2,500.63	-2,766.90	3,729.39	0.86	0.28	0.82
8,598.00	88.36	313.150	5,333.76	2,542.48	-2,811.25	3,790.36	0.66	-0.21	-0.62
8,658.00	87.92	312.740	5,335.70	2,583.34	-2,855.15	3,850.33	1.00	-0.73	-0.68
8,719.00	88.56	312.510	5,337.58	2,624.62	-2,900.01	3,911.30	1.11	1.05	-0.38
8,779.00	89.09	312.730	5,338.81	2,665.24	-2,944.15	3,971.28	0.96	0.88	0.37
8,841.00	89.40	312.510	5,339.62	2,707.22	-2,989.77	4,033.28	0.61	0.50	-0.35
8,902.00	90.13	312.640	5,339.87	2,748.49	-3,034.69	4,094.28	1.22	1.20	0.21

Company:	DJR Operating	Local Co-ordinate Reference:	Well 628H
Project:	Nageezi Unit	TVD Reference:	GL 6801' 7 RKB 14' @ 6815.00usft (Aztec 920)
Site:	M30 2408	MD Reference:	GL 6801' 7 RKB 14' @ 6815.00usft (Aztec 920)
Well:	628H	North Reference:	True
Wellbore:	Original drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original drilling	Database:	Grand Junction

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)
8,963.00	90.74	312.140	5,339.41	2,789.61	-3,079.74	4,155.28	1.29	1.00	-0.82
9,023.00	89.60	312.640	5,339.23	2,830.06	-3,124.05	4,215.27	2.07	-1.90	0.83
9,084.00	89.87	313.300	5,339.51	2,871.64	-3,168.69	4,276.27	1.17	0.44	1.08
9,144.00	88.93	314.100	5,340.14	2,913.09	-3,212.06	4,336.25	2.06	-1.57	1.33
9,205.00	89.03	313.560	5,341.23	2,955.33	-3,256.06	4,397.22	0.90	0.16	-0.89
9,266.00	88.16	312.780	5,342.72	2,997.05	-3,300.54	4,458.20	1.92	-1.43	-1.28
9,327.00	88.09	312.540	5,344.72	3,038.36	-3,345.37	4,519.17	0.41	-0.11	-0.39
9,388.00	87.95	312.060	5,346.83	3,079.39	-3,390.46	4,580.13	0.82	-0.23	-0.79
9,449.00	88.59	312.320	5,348.67	3,120.34	-3,435.64	4,641.10	1.13	1.05	0.43
9,510.00	88.79	312.680	5,350.06	3,161.54	-3,480.60	4,702.09	0.67	0.33	0.59
9,570.00	88.62	312.010	5,351.42	3,201.95	-3,524.93	4,762.07	1.15	-0.28	-1.12
9,631.00	88.73	311.550	5,352.83	3,242.58	-3,570.41	4,823.05	0.78	0.18	-0.75
9,691.00	90.00	311.940	5,353.50	3,282.52	-3,615.17	4,883.04	2.21	2.12	0.65
9,752.00	91.27	312.580	5,352.82	3,323.54	-3,660.31	4,944.03	2.33	2.08	1.05
9,812.00	91.38	314.370	5,351.43	3,364.81	-3,703.84	5,004.01	2.99	0.18	2.98
9,872.00	91.48	313.890	5,349.93	3,406.58	-3,746.89	5,063.96	0.82	0.17	-0.80
9,933.00	91.31	312.870	5,348.45	3,448.46	-3,791.22	5,124.93	1.69	-0.28	-1.67
9,993.00	91.61	313.580	5,346.92	3,489.54	-3,834.92	5,184.91	1.28	0.50	1.18
10,054.00	90.27	314.460	5,345.92	3,531.92	-3,878.78	5,245.88	2.63	-2.20	1.44
10,115.00	91.64	315.690	5,344.90	3,575.10	-3,921.85	5,306.80	3.02	2.25	2.02
10,175.00	91.37	314.870	5,343.33	3,617.72	-3,964.05	5,366.71	1.44	-0.45	-1.37
10,236.00	91.11	313.400	5,342.01	3,660.19	-4,007.82	5,427.67	2.45	-0.43	-2.41
10,289.00	91.11	313.400	5,340.98	3,696.60	-4,046.32	5,480.65	0.00	0.00	0.00

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
438.00	437.96	1.68	-4.92	First SDI Surface MWD Survey
4,427.00	4,421.09	50.09	-202.87	Last SDI Surface MWD Survey
4,490.00	4,484.04	50.56	-205.39	First SDI Curve MWD Survey
5,612.00	5,293.71	477.34	-657.73	Last SDI Curve MWD Survey
5,680.00	5,300.56	526.17	-704.52	First SDI Lateral MWD Survey
10,236.00	5,342.01	3,660.19	-4,007.82	Last SDI Lateral MWD Survey
10,289.00	5,340.98	3,696.60	-4,046.32	Projection to TD

Checked By: _____ Approved By: _____ Date: _____