

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3482

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-043-21267	² Pool Code 98174	³ Pool Name NORTH ALAMITO UNIT MANCOS OIL POOL
⁴ Property Code 325267	⁵ Property Name NORTH ALAMITO UNIT	
⁷ OGRID No. 371838	⁶ Operator Name DJR OPERATING, LLC	⁸ Well Number 240H
		⁹ Elevation 7029'

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
P	30	23N	7W		429'	SOUTH	1293'	EAST	SANDOVAL

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
A	25	23N	8W		399'	NORTH	566'	EAST	SAN JUAN

12 Dedicated Acres PENETRATED SPACING UN
SEC 30: SE/4, NE/SW, SE/NW, SW/NW, NW/NW
(321.38 AC.); SEC 25: NE/NE (40 AC.) =
361.38 ACRES TOTAL

13 Joint or Infill

14 Consolidation Code

15	Order No.
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R14081 R14081A

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

18	17	OPERATOR CERTIFICATION
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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 12/02/20
Signature Date

Shaw-Marie Ford
Printed Name

sford@dirllc.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.

NOVEMBER 30, 2020

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

11393

AV

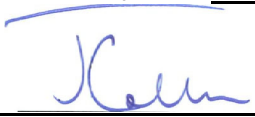


Directional Survey Certification

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

Operator	DJR Operating
Well Name & No.	North Alamito O30 2307 240H
County & State	San Juan, NM
SDI Job No.	OP.023029
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 440 feet to a measured depth of 12,588 feet is true and correct as determined from all available records.



Signature

21-Jan-20

Date

Janie Collins
Colorado District Well Planner
Scientific Drilling International

Company:	DJR Operating	Local Co-ordinate Reference:	Well NAU 240H
Project:	North Alamito Unit	TVD Reference:	GL 7028' & RKB 14' @ 7042.00usft (Aztec 920)
Site:	O30 2307	MD Reference:	GL 7028' & RKB 14' @ 7042.00usft (Aztec 920)
Well:	NAU 240H	North Reference:	True
Wellbore:	Original drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original drilling	Database:	Grand Junction

Project	North Alamito 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		O30 2307			
Site Position:		Northing:		1,889,181.15 usft	
From:		Easting:		2,788,720.89 usft	
Position Uncertainty:		Slot Radius:		Grid Convergence:	
Lat/Long		0.00 usft		36.1917820	
		72.00 in		-107.6109140	
				0.13 °	

Well	NAU 240H					
Well Position	+N/-S	0.00 usft	Northing:	1,889,181.15 usft	Latitude:	36.1917820
	+E/-W	0.00 usft	Easting:	2,788,720.89 usft	Longitude:	-107.6109140
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	7,028.00 usft

Wellbore	Original drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	12/27/2019	8.70	62.75	49,323.00000000

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	315.521	

Survey Program	Date	1/21/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
440.00	4,615.00	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4,678.00	5,751.00	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5,872.00	12,588.00	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	
440.00	0.67	16.800	439.99	2.46	0.74	1.24	0.15	0.15	0.00	
501.00	1.32	107.820	500.98	2.59	1.52	0.79	2.44	1.07	149.21	
563.00	2.72	115.400	562.94	1.74	3.52	-1.23	2.29	2.26	12.23	
624.00	4.71	106.830	623.81	0.39	7.23	-4.78	3.38	3.26	-14.05	
685.00	6.02	107.100	684.54	-1.27	12.68	-9.79	2.15	2.15	0.44	
745.00	7.35	107.680	744.13	-3.36	19.35	-15.96	2.22	2.22	0.97	
806.00	7.70	104.650	804.61	-5.58	27.02	-22.91	0.87	0.57	-4.97	
867.00	8.88	111.870	864.97	-8.37	35.34	-30.73	2.58	1.93	11.84	

Company:	DJR Operating	Local Co-ordinate Reference:	Well NAU 240H
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Site:	O30 2307	MD Reference:	GL 7028' & RKB 14' @ 7042.00usft (Aztec 920)
Well:	NAU 240H	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)
928.00	10.06	116.540	925.14	-12.50	44.48	-40.09	2.31	1.93	7.66
989.00	10.97	115.210	985.12	-17.36	54.50	-50.57	1.54	1.49	-2.18
1,050.00	12.23	112.520	1,044.87	-22.30	65.72	-61.96	2.25	2.07	-4.41
1,112.00	13.31	109.940	1,105.34	-27.25	78.49	-74.44	1.97	1.74	-4.16
1,173.00	14.79	110.580	1,164.51	-32.38	92.38	-87.83	2.44	2.43	1.05
1,234.00	15.82	111.720	1,223.35	-38.20	107.40	-102.50	1.76	1.69	1.87
1,296.00	16.36	112.370	1,282.92	-44.65	123.32	-118.26	0.92	0.87	1.05
1,357.00	15.94	114.250	1,341.51	-51.36	138.90	-133.97	1.10	-0.69	3.08
1,418.00	16.26	113.180	1,400.12	-58.16	154.39	-149.67	0.72	0.52	-1.75
1,479.00	16.65	109.360	1,458.62	-64.42	170.49	-165.42	1.89	0.64	-6.26
1,541.00	17.19	110.640	1,517.94	-70.59	187.44	-181.70	1.06	0.87	2.06
1,602.00	18.54	108.050	1,575.99	-76.78	205.10	-198.48	2.57	2.21	-4.25
1,663.00	18.96	110.120	1,633.76	-83.19	223.63	-216.04	1.29	0.69	3.39
1,723.00	19.32	109.030	1,690.44	-89.78	242.16	-233.73	0.85	0.60	-1.82
1,786.00	19.12	108.680	1,749.93	-96.48	261.79	-252.26	0.37	-0.32	-0.56
1,850.00	18.65	109.960	1,810.48	-103.33	281.34	-270.85	0.98	-0.73	2.00
1,913.00	18.60	108.670	1,870.19	-109.99	300.32	-288.90	0.66	-0.08	-2.05
1,976.00	17.38	107.500	1,930.10	-116.03	318.82	-306.17	2.02	-1.94	-1.86
2,038.00	17.97	107.850	1,989.18	-121.75	336.75	-322.81	0.97	0.95	0.56
2,102.00	19.45	107.650	2,049.79	-128.01	356.30	-340.98	2.31	2.31	-0.31
2,165.00	19.68	107.510	2,109.16	-134.38	376.41	-359.61	0.37	0.37	-0.22
2,228.00	19.42	107.250	2,168.52	-140.68	396.53	-378.20	0.44	-0.41	-0.41
2,291.00	19.09	107.320	2,228.00	-146.85	416.37	-396.51	0.53	-0.52	0.11
2,354.00	19.51	109.030	2,287.46	-153.35	436.15	-415.00	1.12	0.67	2.71
2,418.00	19.70	109.030	2,347.75	-160.35	456.45	-434.22	0.30	0.30	0.00
2,481.00	20.33	107.790	2,406.94	-167.15	476.91	-453.41	1.21	1.00	-1.97
2,544.00	20.69	109.090	2,465.95	-174.14	497.85	-473.07	0.92	0.57	2.06
2,607.00	20.94	110.750	2,524.84	-181.77	518.89	-493.25	1.02	0.40	2.63
2,670.00	21.56	110.320	2,583.56	-189.78	540.28	-513.95	1.01	0.98	-0.68
2,734.00	20.82	112.970	2,643.23	-198.30	561.78	-535.10	1.89	-1.16	4.14
2,796.00	19.75	112.220	2,701.38	-206.56	581.62	-554.89	1.78	-1.73	-1.21
2,859.00	19.01	111.290	2,760.81	-214.31	601.03	-574.03	1.27	-1.17	-1.48
2,923.00	18.87	110.450	2,821.35	-221.71	620.44	-592.91	0.48	-0.22	-1.31
2,986.00	18.65	110.320	2,881.00	-228.77	639.44	-611.25	0.36	-0.35	-0.21
3,049.00	18.68	110.760	2,940.69	-235.84	658.32	-629.52	0.23	0.05	0.70
3,112.00	18.64	110.890	3,000.38	-243.01	677.16	-647.84	0.09	-0.06	0.21
3,175.00	18.84	110.700	3,060.04	-250.19	696.08	-666.22	0.33	0.32	-0.30
3,238.00	18.75	110.330	3,119.68	-257.31	715.09	-684.62	0.24	-0.14	-0.59
3,301.00	18.58	110.100	3,179.36	-264.27	734.01	-702.84	0.29	-0.27	-0.37
3,364.00	18.76	110.420	3,239.05	-271.26	752.93	-721.08	0.33	0.29	0.51
3,427.00	19.08	109.570	3,298.65	-278.24	772.12	-739.52	0.67	0.51	-1.35
3,490.00	19.19	110.240	3,358.16	-285.27	791.54	-758.14	0.39	0.17	1.06
3,553.00	19.11	109.520	3,417.68	-292.30	810.98	-776.77	0.40	-0.13	-1.14

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Well:	NAU 240H	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)
3,617.00	19.16	109.060	3,478.14	-299.23	830.78	-795.59	0.25	0.08	-0.72
3,680.00	19.21	109.250	3,537.64	-306.02	850.33	-814.14	0.13	0.08	0.30
3,743.00	19.17	109.260	3,597.14	-312.85	869.88	-832.71	0.06	-0.06	0.02
3,806.00	18.82	109.800	3,656.71	-319.71	889.21	-851.14	0.62	-0.56	0.86
3,869.00	17.99	108.830	3,716.49	-326.29	907.98	-868.98	1.40	-1.32	-1.54
3,932.00	17.76	109.000	3,776.45	-332.56	926.27	-886.27	0.37	-0.37	0.27
3,996.00	17.34	107.990	3,837.47	-338.68	944.57	-903.46	0.81	-0.66	-1.58
4,059.00	16.85	108.780	3,897.69	-344.52	962.15	-919.94	0.86	-0.78	1.25
4,110.00	17.02	110.470	3,946.47	-349.51	976.14	-933.31	1.02	0.33	3.31
4,173.00	19.07	115.540	4,006.38	-357.17	994.06	-951.34	4.10	3.25	8.05
4,236.00	19.03	116.860	4,065.93	-366.25	1,012.51	-970.74	0.69	-0.06	2.10
4,299.00	19.38	115.440	4,125.42	-375.38	1,031.12	-990.29	0.93	0.56	-2.25
4,362.00	18.96	114.840	4,184.93	-384.17	1,049.84	-1,009.68	0.74	-0.67	-0.95
4,425.00	17.81	110.460	4,244.71	-391.84	1,068.16	-1,027.98	2.85	-1.83	-6.95
4,488.00	17.47	109.030	4,304.75	-398.29	1,086.13	-1,045.18	0.87	-0.54	-2.27
4,551.00	16.46	108.750	4,365.01	-404.24	1,103.52	-1,061.61	1.61	-1.60	-0.44
4,615.00	10.26	86.040	4,427.29	-406.77	1,117.81	-1,073.43	12.52	-9.69	-35.48
4,678.00	10.85	45.630	4,489.30	-402.23	1,127.66	-1,077.09	11.55	0.94	-64.14
4,741.00	11.95	7.840	4,551.14	-391.61	1,132.80	-1,073.11	11.77	1.75	-59.98
4,804.00	15.83	346.830	4,612.33	-376.76	1,131.73	-1,061.77	10.01	6.16	-33.35
4,867.00	19.81	323.210	4,672.37	-359.82	1,123.36	-1,043.82	12.97	6.32	-37.49
4,930.00	24.45	316.060	4,730.73	-341.87	1,107.91	-1,020.18	8.50	7.37	-11.35
4,993.00	28.79	314.950	4,787.03	-321.75	1,088.12	-991.96	6.93	6.89	-1.76
5,057.00	32.70	313.570	4,842.03	-298.94	1,064.68	-959.26	6.21	6.11	-2.16
5,119.00	35.93	311.570	4,893.23	-275.32	1,038.93	-924.36	5.52	5.21	-3.23
5,182.00	40.74	311.490	4,942.64	-249.42	1,009.68	-885.39	7.64	7.63	-0.13
5,245.00	44.89	311.250	4,988.84	-221.13	977.55	-842.70	6.59	6.59	-0.38
5,308.00	48.37	310.500	5,032.10	-191.17	942.92	-797.06	5.59	5.52	-1.19
5,372.00	52.70	309.780	5,072.76	-159.34	905.16	-747.88	6.82	6.77	-1.13
5,435.00	59.26	308.780	5,107.99	-126.31	864.75	-696.01	10.50	10.41	-1.59
5,498.00	64.88	307.490	5,137.49	-91.96	820.98	-640.83	9.10	8.92	-2.05
5,562.00	68.43	307.690	5,162.85	-56.13	774.42	-582.64	5.55	5.55	0.31
5,624.00	72.79	307.550	5,183.43	-20.44	728.11	-524.73	7.04	7.03	-0.23
5,688.00	78.06	307.940	5,199.53	17.47	679.15	-463.38	8.26	8.23	0.61
5,751.00	81.92	307.450	5,210.48	55.40	630.07	-401.93	6.17	6.13	-0.78
5,872.00	85.60	306.050	5,223.63	127.35	533.71	-283.08	3.25	3.04	-1.16
5,935.00	86.60	306.710	5,227.91	164.63	483.10	-221.02	1.90	1.59	1.05
5,997.00	86.91	305.960	5,231.42	201.30	433.24	-159.92	1.31	0.50	-1.21
6,059.00	88.19	306.350	5,234.07	237.85	383.22	-98.80	2.16	2.06	0.63
6,123.00	88.32	307.240	5,236.02	276.16	332.00	-35.57	1.40	0.20	1.39
6,186.00	90.97	311.000	5,236.41	315.90	283.14	27.02	7.30	4.21	5.97
6,249.00	90.97	310.910	5,235.34	357.19	235.56	89.81	0.14	0.00	-0.14
6,312.00	89.06	311.460	5,235.33	398.67	188.15	152.63	3.15	-3.03	0.87

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Well:	NAU 240H	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)
6,375.00	88.69	311.330	5,236.56	440.32	140.90	215.45	0.62	-0.59	-0.21
6,438.00	89.33	311.710	5,237.65	482.08	93.74	278.29	1.18	1.02	0.60
6,501.00	89.87	314.230	5,238.09	525.02	47.65	341.22	4.09	0.86	4.00
6,563.00	91.21	315.460	5,237.51	568.73	3.69	403.21	2.93	2.16	1.98
6,626.00	91.44	315.720	5,236.05	613.73	-40.38	466.19	0.55	0.37	0.41
6,689.00	91.71	316.570	5,234.32	659.14	-84.02	529.16	1.42	0.43	1.35
6,751.00	91.68	316.430	5,232.49	704.09	-126.67	591.13	0.23	-0.05	-0.23
6,814.00	91.21	316.120	5,230.90	749.60	-170.21	654.10	0.89	-0.75	-0.49
6,877.00	89.87	315.030	5,230.30	794.59	-214.30	717.10	2.74	-2.13	-1.73
6,940.00	89.66	314.100	5,230.56	838.80	-259.18	780.09	1.51	-0.33	-1.48
7,000.00	90.44	315.130	5,230.51	880.94	-301.89	840.08	2.15	1.30	1.72
7,065.00	89.19	313.320	5,230.72	926.27	-348.47	905.06	3.38	-1.92	-2.78
7,127.00	89.73	313.440	5,231.30	968.85	-393.53	967.01	0.89	0.87	0.19
7,190.00	89.19	311.610	5,231.90	1,011.43	-439.96	1,029.92	3.03	-0.86	-2.90
7,253.00	88.83	310.980	5,232.99	1,053.00	-487.28	1,092.74	1.15	-0.57	-1.00
7,316.00	88.32	310.260	5,234.55	1,094.00	-535.09	1,155.49	1.40	-0.81	-1.14
7,379.00	88.19	309.960	5,236.47	1,134.57	-583.25	1,218.18	0.52	-0.21	-0.48
7,442.00	87.41	309.500	5,238.89	1,174.81	-631.66	1,280.81	1.44	-1.24	-0.73
7,505.00	89.53	310.490	5,240.57	1,215.29	-679.91	1,343.49	3.71	3.37	1.57
7,568.00	90.91	310.660	5,240.33	1,256.26	-727.76	1,406.25	2.21	2.19	0.27
7,630.00	91.98	310.080	5,238.77	1,296.41	-774.98	1,467.98	1.96	1.73	-0.94
7,693.00	91.44	309.830	5,236.89	1,336.85	-823.25	1,530.66	0.94	-0.86	-0.40
7,754.00	91.54	309.810	5,235.30	1,375.90	-870.08	1,591.33	0.17	0.16	-0.03
7,814.00	91.51	309.310	5,233.70	1,414.10	-916.32	1,650.99	0.83	-0.05	-0.83
7,875.00	89.93	309.810	5,232.94	1,452.94	-963.35	1,711.65	2.72	-2.59	0.82
7,936.00	89.06	310.270	5,233.47	1,492.18	-1,010.05	1,772.37	1.61	-1.43	0.75
7,997.00	88.05	309.210	5,235.01	1,531.17	-1,056.94	1,833.04	2.40	-1.66	-1.74
8,057.00	89.70	310.280	5,236.19	1,569.52	-1,103.06	1,892.72	3.28	2.75	1.78
8,118.00	89.83	310.170	5,236.44	1,608.91	-1,149.63	1,953.46	0.28	0.21	-0.18
8,178.00	89.83	310.230	5,236.62	1,647.64	-1,195.46	2,013.20	0.10	0.00	0.10
8,239.00	89.23	310.400	5,237.12	1,687.10	-1,241.97	2,073.95	1.02	-0.98	0.28
8,299.00	89.56	311.420	5,237.75	1,726.39	-1,287.31	2,133.75	1.79	0.55	1.70
8,360.00	89.46	311.610	5,238.27	1,766.82	-1,332.99	2,194.60	0.35	-0.16	0.31
8,421.00	89.97	311.750	5,238.58	1,807.39	-1,378.54	2,255.46	0.87	0.84	0.23
8,482.00	89.66	311.380	5,238.78	1,847.86	-1,424.18	2,316.31	0.79	-0.51	-0.61
8,543.00	89.70	310.980	5,239.12	1,888.02	-1,470.10	2,377.14	0.66	0.07	-0.66
8,604.00	89.56	310.960	5,239.51	1,928.02	-1,516.15	2,437.94	0.23	-0.23	-0.03
8,664.00	89.56	310.480	5,239.97	1,967.16	-1,561.63	2,497.73	0.80	0.00	-0.80
8,726.00	89.70	310.170	5,240.37	2,007.28	-1,608.89	2,559.47	0.55	0.23	-0.50
8,787.00	89.40	311.630	5,240.85	2,047.21	-1,655.00	2,620.27	2.44	-0.49	2.39
8,848.00	89.56	311.880	5,241.40	2,087.84	-1,700.50	2,681.14	0.49	0.26	0.41
8,909.00	90.40	312.960	5,241.42	2,128.98	-1,745.53	2,742.05	2.24	1.38	1.77
8,970.00	90.97	312.570	5,240.70	2,170.40	-1,790.31	2,802.97	1.13	0.93	-0.64
9,031.00	91.24	312.920	5,239.52	2,211.79	-1,835.10	2,863.89	0.72	0.44	0.57

Company:	DJR Operating	Local Co-ordinate Reference:	Well NAU 240H
Project:	North Alamito Unit	TVD Reference:	GL 7028' & RKB 14' @ 7042.00usft (Aztec 920)
Site:	O30 2307	MD Reference:	GL 7028' & RKB 14' @ 7042.00usft (Aztec 920)
Well:	NAU 240H	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)	
9,092.00	88.76	312.100	5,239.52	2,253.01	-1,880.06	2,924.80	4.28	-4.07	-1.34	
9,153.00	88.35	311.930	5,241.06	2,293.82	-1,925.37	2,985.67	0.73	-0.67	-0.28	
9,214.00	89.50	312.700	5,242.20	2,334.88	-1,970.47	3,046.56	2.27	1.89	1.26	
9,274.00	89.83	312.330	5,242.55	2,375.43	-2,014.69	3,106.47	0.83	0.55	-0.62	
9,335.00	90.17	312.330	5,242.55	2,416.51	-2,059.79	3,167.38	0.56	0.56	0.00	
9,396.00	88.79	311.180	5,243.11	2,457.12	-2,105.29	3,228.24	2.94	-2.26	-1.89	
9,457.00	88.86	311.100	5,244.36	2,497.25	-2,151.22	3,289.05	0.17	0.11	-0.13	
9,518.00	88.99	311.280	5,245.50	2,537.41	-2,197.12	3,349.87	0.36	0.21	0.30	
9,578.00	89.50	310.710	5,246.29	2,576.77	-2,242.40	3,409.67	1.27	0.85	-0.95	
9,639.00	89.97	310.950	5,246.57	2,616.65	-2,288.55	3,470.47	0.87	0.77	0.39	
9,701.00	89.43	310.340	5,246.90	2,657.04	-2,335.59	3,532.24	1.31	-0.87	-0.98	
9,761.00	89.53	311.570	5,247.44	2,696.36	-2,380.91	3,592.05	2.06	0.17	2.05	
9,822.00	89.83	311.790	5,247.78	2,736.92	-2,426.46	3,652.91	0.61	0.49	0.36	
9,882.00	90.00	312.030	5,247.87	2,777.00	-2,471.12	3,712.79	0.49	0.28	0.40	
9,944.00	90.03	311.700	5,247.86	2,818.38	-2,517.29	3,774.67	0.53	0.05	-0.53	
10,005.00	90.40	311.500	5,247.63	2,858.88	-2,562.90	3,835.52	0.69	0.61	-0.33	
10,066.00	90.30	311.300	5,247.26	2,899.22	-2,608.66	3,896.36	0.37	-0.16	-0.33	
10,127.00	90.54	311.330	5,246.81	2,939.49	-2,654.47	3,957.20	0.40	0.39	0.05	
10,187.00	90.44	310.500	5,246.30	2,978.78	-2,699.81	4,017.00	1.39	-0.17	-1.38	
10,248.00	90.77	310.170	5,245.65	3,018.26	-2,746.31	4,077.75	0.77	0.54	-0.54	
10,309.00	89.43	309.060	5,245.54	3,057.16	-2,793.30	4,138.42	2.85	-2.20	-1.82	
10,370.00	88.62	309.590	5,246.58	3,095.81	-2,840.48	4,199.06	1.59	-1.33	0.87	
10,431.00	89.40	310.510	5,247.64	3,135.05	-2,887.16	4,259.77	1.98	1.28	1.51	
10,491.00	89.56	311.350	5,248.18	3,174.36	-2,932.49	4,319.57	1.43	0.27	1.40	
10,552.00	89.60	311.620	5,248.63	3,214.76	-2,978.19	4,380.42	0.45	0.07	0.44	
10,612.00	88.56	310.090	5,249.59	3,254.01	-3,023.56	4,440.21	3.08	-1.73	-2.55	
10,672.00	88.39	309.510	5,251.19	3,292.40	-3,069.64	4,499.89	1.01	-0.28	-0.97	
10,733.00	89.70	310.620	5,252.21	3,331.66	-3,116.32	4,560.60	2.81	2.15	1.82	
10,794.00	91.04	311.640	5,251.81	3,371.78	-3,162.26	4,621.42	2.76	2.20	1.67	
10,853.00	89.30	311.960	5,251.64	3,411.10	-3,206.24	4,680.29	3.00	-2.95	0.54	
10,914.00	88.66	312.560	5,252.72	3,452.12	-3,251.38	4,741.18	1.44	-1.05	0.98	
10,974.00	88.72	312.210	5,254.09	3,492.55	-3,295.69	4,801.08	0.59	0.10	-0.58	
11,034.00	89.56	312.400	5,254.99	3,532.93	-3,340.06	4,860.98	1.44	1.40	0.32	
11,095.00	90.34	312.650	5,255.05	3,574.16	-3,385.01	4,921.89	1.34	1.28	0.41	
11,156.00	90.00	311.670	5,254.87	3,615.10	-3,430.23	4,982.79	1.70	-0.56	-1.61	
11,217.00	89.19	311.940	5,255.30	3,655.77	-3,475.70	5,043.66	1.40	-1.33	0.44	
11,278.00	88.62	310.540	5,256.46	3,695.97	-3,521.56	5,104.47	2.48	-0.93	-2.30	
11,340.00	88.19	310.760	5,258.19	3,736.34	-3,568.58	5,166.23	0.78	-0.69	0.35	
11,400.00	87.68	310.440	5,260.35	3,775.36	-3,614.11	5,225.97	1.00	-0.85	-0.53	
11,461.00	87.25	309.520	5,263.05	3,814.52	-3,660.80	5,286.62	1.66	-0.70	-1.51	
11,521.00	87.65	309.980	5,265.72	3,852.85	-3,706.89	5,346.26	1.02	0.67	0.77	
11,583.00	87.92	310.820	5,268.12	3,893.00	-3,754.07	5,407.96	1.42	0.44	1.35	
11,643.00	90.37	311.720	5,269.01	3,932.57	-3,799.15	5,467.79	4.35	4.08	1.50	

Company:	DJR Operating	Local Co-ordinate Reference:	Well NAU 240H
Project:	North Alamito Unit	TVD Reference:	GL 7028' & RKB 14' @ 7042.00usft (Aztec 920)
Site:	O30 2307	MD Reference:	GL 7028' & RKB 14' @ 7042.00usft (Aztec 920)
Well:	NAU 240H	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)	
11,703.00	89.77	311.430	5,268.94	3,972.38	-3,844.04	5,527.64	1.11	-1.00	-0.48	
11,764.00	89.70	311.390	5,269.22	4,012.73	-3,889.79	5,588.49	0.13	-0.11	-0.07	
11,825.00	91.34	312.870	5,268.67	4,053.65	-3,935.02	5,649.37	3.62	2.69	2.43	
11,886.00	91.34	312.880	5,267.24	4,095.14	-3,979.71	5,710.29	0.02	0.00	0.02	
11,948.00	91.78	312.990	5,265.55	4,137.36	-4,025.09	5,772.20	0.73	0.71	0.18	
12,008.00	91.58	312.390	5,263.79	4,178.02	-4,069.17	5,832.10	1.05	-0.33	-1.00	
12,068.00	91.54	311.760	5,262.16	4,218.21	-4,113.69	5,891.97	1.05	-0.07	-1.05	
12,129.00	90.37	309.980	5,261.14	4,258.12	-4,159.81	5,952.76	3.49	-1.92	-2.92	
12,190.00	89.03	308.500	5,261.46	4,296.70	-4,207.05	6,013.39	3.27	-2.20	-2.43	
12,250.00	89.56	307.310	5,262.20	4,333.56	-4,254.39	6,072.86	2.17	0.88	-1.98	
12,310.00	89.87	307.670	5,262.50	4,370.08	-4,302.00	6,132.27	0.79	0.52	0.60	
12,371.00	90.34	307.370	5,262.39	4,407.23	-4,350.38	6,192.67	0.91	0.77	-0.49	
12,432.00	90.27	306.440	5,262.06	4,443.86	-4,399.15	6,252.98	1.53	-0.11	-1.52	
12,492.00	89.43	304.850	5,262.22	4,478.82	-4,447.91	6,312.09	3.00	-1.40	-2.65	
12,538.00	88.09	303.700	5,263.21	4,504.72	-4,485.91	6,357.20	3.84	-2.91	-2.50	
12,588.00	88.09	303.700	5,264.88	4,532.45	-4,527.49	6,406.11	0.00	0.00	0.00	

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
440.00	439.99	2.46	0.74	First SDI Surface MWD Survey	
4,615.00	4,427.29	-406.77	1,117.81	Last SDI Surface MWD Survey	
4,678.00	4,489.30	-402.23	1,127.66	First SDI Curve MWD Survey	
5,751.00	5,210.48	55.40	630.07	Last SDI Curve MWD Survey	
5,872.00	5,223.63	127.35	533.71	First SDI Lateral MWD Survey	
12,538.00	5,263.21	4,504.72	-4,485.91	Last SDI Lateral MWD Survey	
12,588.00	5,264.88	4,532.45	-4,527.49	Projection to TD	

Checked By: _____	Approved By: _____	Date: _____
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