

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address DJR Operating, LLC 1 Road 3263 Aztec, NM 87410		² OGRID Number 371838	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30-045-35764	⁵ Pool Name Nageezi Unit; Mancos (Oil)		⁶ Pool Code 98080
⁷ Property Code 325268	⁸ Property Name Nageezi Unit		⁹ Well Number 513H

II. ¹⁰ Surface Location

Ul or lot no. P	Section 09	Township 23N	Range 09W	Lot Idn	Feet from the 1246'	North/South Line South	Feet from the 808'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. D	Section 09	Township 23N	Range 09W	Lot Idn	Feet from the 451'	North/South line North	Feet from the 379'	East/West line West	County San Juan
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date 04/12/22		¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	Western Refining Company, LP	O
	6500 Townbridge Drive, El Paso, TX 79905	
151618	Enterprise Field Services, LLC	G
	Post Office Box 4503, Houston, TX 77001	

IV. Well Completion Data

²¹ Spud Date 05/03/21	²² Ready Date 03/21/22	²³ TD 11,142' MD 4,848' TVD	²⁴ PBTD 11,123 MD 4,848' TVD	²⁵ Perforations 5,508'-11,073' MD 4,824'- 4,849' TVD Frac Sleeve @ 11,097'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12.25		9.625" 36# J55		352'	109
8.75		7" 26# J55		5,334'	617
6.125		4.5" 11.6# P110		TOL: 5,021' BOL: 11,137'	532
		2.875" 6.5# L80 Tubing		5190'	

V. Well Test Data

³¹ Date New Oil 03/22/22	³² Gas Delivery Date 04/12/22	³³ Test Date 03/24/22	³⁴ Test Length 24	³⁵ Tbg. Pressure 362	³⁶ Csg. Pressure 929
³⁷ Choke Size 40/64	³⁸ Oil 854	³⁹ Water 331	⁴⁰ Gas 1040		⁴¹ Test Method F
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Shaw-Marie Ford</i>			OIL CONSERVATION DIVISION		
Printed name: Shaw-Marie Ford			Approved by: <i>PATRICIA MARTINEZ</i>		
Title: Regulatory Specialist			Title: <i>PETROLEUM SPECIALIST</i>		
E-mail Address: sford@djrlle.com			Approval Date: <i>6/29/2022</i>		
Date: 06/29/22		Phone: 505-716-3297			

DISTRICT I1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720**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) 476-3460 Fax: (505) 476-3462State of New Mexico
Energy, Minerals & Natural Resources DepartmentForm C-102
Revised August 1, 2011OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505Submit one copy to appropriate
District Office☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35764	² Pool Code 98080	³ Pool Name NAGEEZI UNIT MANCOS OIL POOL
⁴ Property Code 325268	⁵ Property Name NAGEEZI UNIT	⁶ Well Number 513H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6805'

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	9	23N	9W		1246'	SOUTH	808'	EAST	SAN JUAN

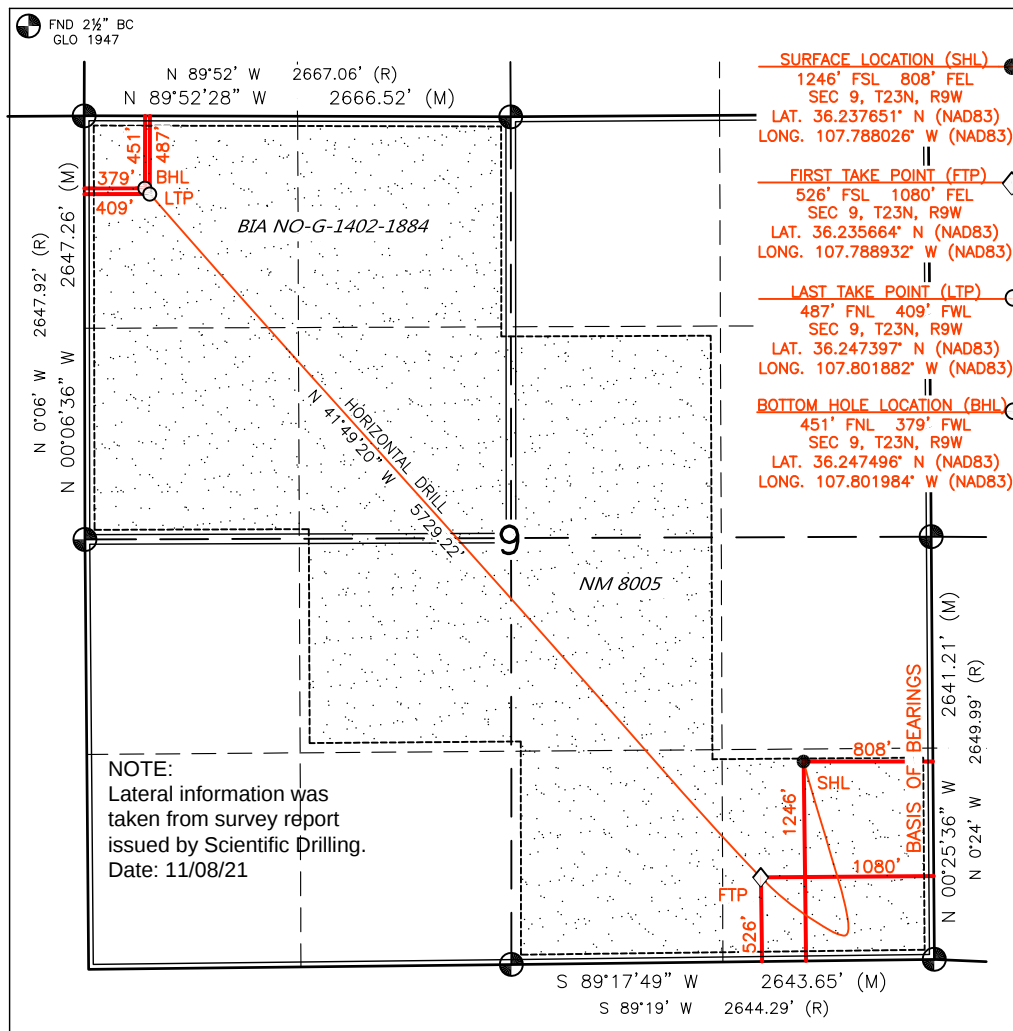
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	23N	9W		451'	NORTH	379'	WEST	SAN JUAN

¹² Dedicated Acres PENETRATED SPACING UNIT; SEC 9: SE/SE, SW/SE, NW/SE, NE/SW, SW/NE & NW/4 = 360 ACRES	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13856 R-13856A
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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 01/27/22
Signature Date

Shaw-Marie Ford
Printed Name

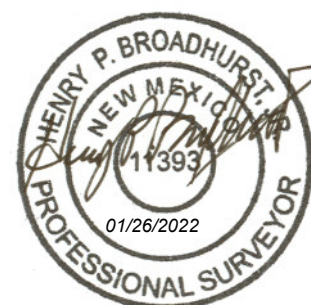
sford@djrlc.com
E-mail Address

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.

JANUARY 26, 2022

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number 11393



DJR

**Nageezi Unit
P09 2309 Pad
#513H**

End of Well Report



www.scientificdrilling.com



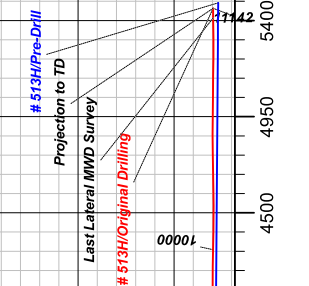
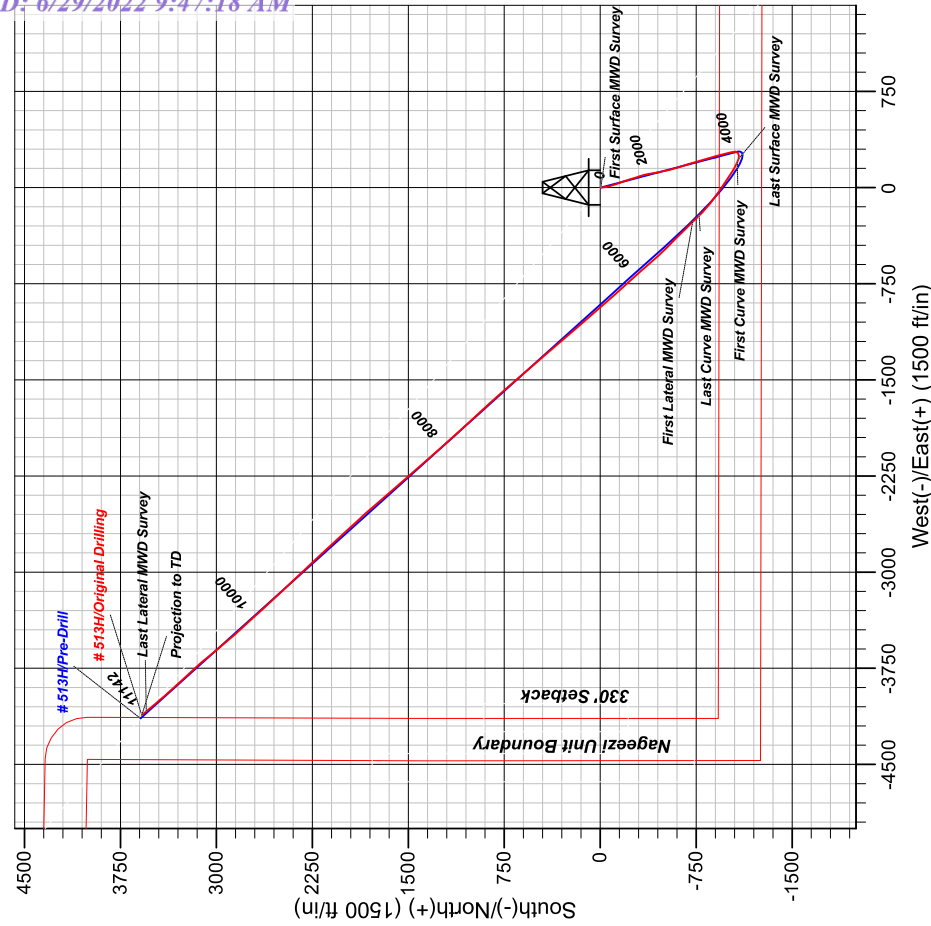
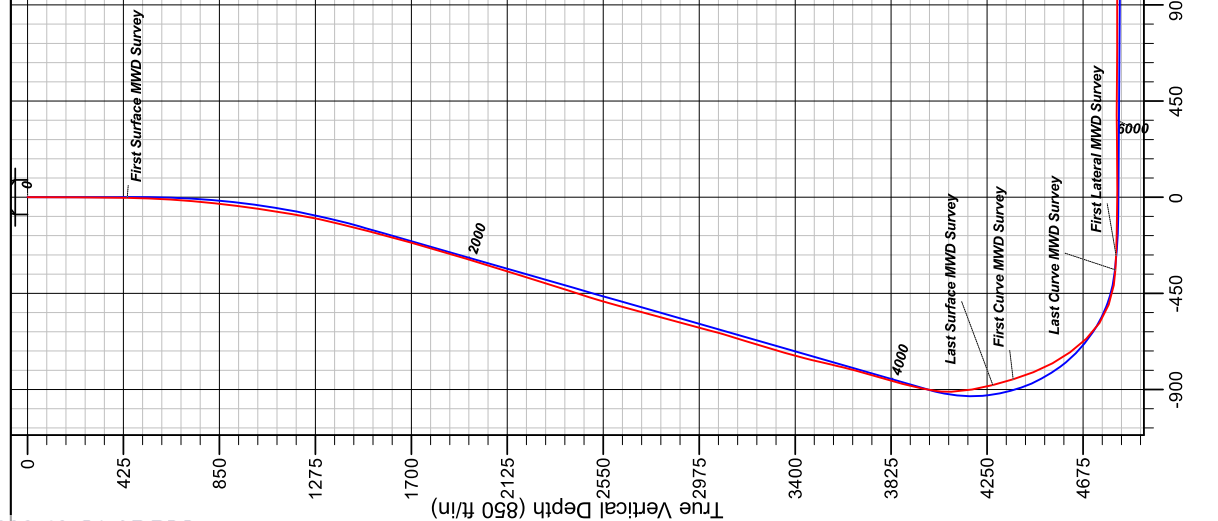
Company Name: DJR Operating
Project: Nageezi Unit
Site: P09 2309
Well: # 513H
Wellbore: Original Drilling



WELL DETAILS: # 513H

GL 6805 & RKB 26' @ 683 ft (H&P 443) 6805			Longitude
+N/-S	+E/-W	Northing	Latitude
0	0	1905806.32	36.23765100
			-107.78802600

3



Design: Original Drilling (# 513H/Original Drilling)	PROJECT DETAILS: Nageezi Unit
Created By: Janie Collins	Geodetic System: US State Plane 1983
Date: 14:40, November 08 2021	Datum: North American Datum 1983
	Ellipsoid: GRS 1980
	Zone: New Mexico Western Zone
	System Datum: Mean Sea Level
	Local North: True



DJR Operating

Nageezi Unit

P09 2309

513H - Slot 3

Original Drilling

Design: Original Drilling

Standard Survey Report

08 November, 2021



www.scientificdrilling.com





Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 513H - Slot 3
Project:	Nageezi Unit	TVD Reference:	GL 6805' & RKB 26' @ 6831ft (H&P 443)
Site:	P09 2309	MD Reference:	GL 6805' & RKB 26' @ 6831ft (H&P 443)
Well:	# 513H	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		P09 2309			
Site Position:		Northing:	1,905,783.38 usft	Latitude:	36.23758800
From:	Lat/Long	Easting:	2,736,419.66 usft	Longitude:	-107.78813800
Position Uncertainty:	0 ft	Slot Radius:	13.20 in	Grid Convergence:	0.03 °

Well	# 513H - Slot 3					
Well Position	+N/-S	0 ft	Northing:	1,905,806.32 usft	Latitude:	36.23765100
	+E/-W	0 ft	Easting:	2,736,452.68 usft	Longitude:	-107.78802600
Position Uncertainty		0 ft	Wellhead Elevation:	ft	Ground Level:	6805 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	10/19/2021	8.65	62.72	49,206.30000000

Design	Original Drilling				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0	0	0	310.95	

Survey Program	Date	11/2/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
442	4464	Survey #1 - Surface MWD Survey (Origin	MWD+HDGM	OWSG MWD + HDGM	
4559	5295	Survey #2 - Curve MWD Survey (Original	MWD+HDGM	OWSG MWD + HDGM	
5364	11,142	Survey #3 - Lateral MWD Survey (Origina	MWD+HDGM	OWSG MWD + HDGM	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0	0.00	0.00	0	0	0	0	0.00	0.00	0.00	
442	1.29	175.62	442	-5	0	-4	0.29	0.29	0.00	
534	3.09	172.98	534	-8	1	-6	1.96	1.96	-2.87	
626	4.77	173.72	626	-15	1	-11	1.83	1.83	0.80	
717	6.91	176.23	716	-24	2	-17	2.37	2.35	2.76	
810	8.63	172.39	808	-36	4	-27	1.93	1.85	-4.13	
902	9.94	167.75	899	-51	6	-38	1.64	1.42	-5.04	
995	9.61	167.54	991	-66	10	-51	0.36	-0.35	-0.23	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 513H - Slot 3
Project:	Nageezi Unit	TVD Reference:	GL 6805' & RKB 26' @ 6831ft (H&P 443)
Site:	P09 2309	MD Reference:	GL 6805' & RKB 26' @ 6831ft (H&P 443)
Well:	# 513H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1093	10.55	161.38	1087	-83	14	-65	1.46	0.96	-6.29	
1185	11.85	161.52	1178	-100	20	-80	1.41	1.41	0.15	
1275	14.08	162.83	1265	-119	26	-98	2.50	2.48	1.46	
1367	16.19	162.74	1354	-142	33	-118	2.29	2.29	-0.10	
1460	16.75	158.82	1443	-167	42	-141	1.34	0.60	-4.22	
1549	17.13	159.93	1528	-191	51	-164	0.56	0.43	1.25	
1642	19.26	163.34	1617	-219	60	-189	2.56	2.29	3.67	
1735	19.63	160.95	1704	-248	70	-215	0.94	0.40	-2.57	
1826	20.58	164.71	1790	-278	79	-242	1.76	1.04	4.13	
1918	19.64	160.73	1876	-308	88	-269	1.80	-1.02	-4.33	
2008	20.66	164.83	1961	-338	97	-295	1.94	1.13	4.56	
2103	21.44	169.99	2049	-371	105	-322	2.12	0.82	5.43	
2198	22.96	169.98	2137	-407	111	-350	1.60	1.60	-0.01	
2293	23.78	170.09	2225	-444	117	-379	0.86	0.86	0.12	
2388	22.76	167.19	2312	-480	125	-409	1.61	-1.07	-3.05	
2483	22.74	167.87	2399	-516	133	-439	0.28	-0.02	0.72	
2578	21.77	163.99	2487	-551	141	-468	1.85	-1.02	-4.08	
2673	20.24	163.82	2576	-584	151	-497	1.61	-1.61	-0.18	
2768	18.35	161.95	2666	-614	160	-523	2.09	-1.99	-1.97	
2863	18.16	164.10	2756	-642	169	-548	0.74	-0.20	2.26	
2958	19.17	163.18	2846	-672	177	-574	1.11	1.06	-0.97	
3052	18.83	163.81	2935	-701	186	-600	0.42	-0.36	0.67	
3148	18.52	163.37	3026	-730	195	-626	0.35	-0.32	-0.46	
3243	20.77	163.88	3115	-761	204	-653	2.38	2.37	0.54	
3337	20.62	163.36	3203	-793	213	-681	0.25	-0.16	-0.55	
3432	20.97	162.78	3292	-825	223	-709	0.43	0.37	-0.61	
3527	19.62	164.99	3381	-857	232	-737	1.63	-1.42	2.33	
3622	17.14	164.28	3471	-886	240	-762	2.62	-2.61	-0.75	
3718	16.25	165.56	3563	-912	247	-785	1.00	-0.93	1.33	
3813	19.43	165.53	3654	-940	254	-809	3.35	3.35	-0.03	
3908	20.02	165.22	3743	-972	263	-835	0.63	0.62	-0.33	
4003	19.08	165.97	3833	-1002	270	-861	1.02	-0.99	0.79	
4083	19.00	169.37	3908	-1028	276	-882	1.39	-0.10	4.25	
4178	15.55	173.81	3999	-1056	280	-904	3.89	-3.63	4.67	
4274	14.23	231.85	4092	-1076	272	-911	14.97	-1.38	60.46	
4369	15.84	262.36	4184	-1085	250	-900	8.40	1.69	32.12	
4464	15.37	291.36	4276	-1082	226	-880	8.14	-0.49	30.53	
4559	19.79	293.31	4366	-1071	199	-852	4.69	4.65	2.05	
4654	22.90	296.70	4455	-1056	168	-819	3.52	3.27	3.57	
4749	30.04	302.46	4540	-1035	131	-778	7.98	7.52	6.06	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 513H - Slot 3
Project:	Nageezi Unit	TVD Reference:	GL 6805' & RKB 26' @ 6831ft (H&P 443)
Site:	P09 2309	MD Reference:	GL 6805' & RKB 26' @ 6831ft (H&P 443)
Well:	# 513H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4844	37.40	303.36	4619	-1007	87	-725	7.77	7.75	0.95	
4939	45.90	303.56	4690	-972	34	-663	8.95	8.95	0.21	
5033	57.93	304.02	4747	-931	-27	-590	12.80	12.80	0.49	
5129	70.86	307.29	4789	-880	-97	-504	13.81	13.47	3.41	
5223	81.55	313.29	4811	-821	-167	-412	12.95	11.37	6.38	
5295	86.44	313.90	4819	-772	-218	-341	6.84	6.79	0.85	
5364	88.62	315.96	4822	-723	-267	-272	4.34	3.16	2.99	
5457	88.72	315.28	4824	-657	-332	-180	0.74	0.11	-0.73	
5551	89.60	315.51	4825	-590	-398	-86	0.97	0.94	0.24	
5645	89.23	314.88	4826	-523	-464	8	0.78	-0.39	-0.67	
5740	89.26	317.34	4828	-455	-530	103	2.59	0.03	2.59	
5834	91.44	319.20	4827	-385	-593	196	3.05	2.32	1.98	
5929	91.44	318.91	4825	-313	-655	290	0.31	0.00	-0.31	
6023	89.70	317.10	4824	-243	-718	383	2.67	-1.85	-1.93	
6118	88.96	317.65	4825	-173	-782	477	0.97	-0.78	0.58	
6212	89.50	319.26	4826	-103	-845	571	1.81	0.57	1.71	
6307	90.03	319.57	4826	-31	-906	665	0.65	0.56	0.33	
6400	90.17	319.07	4826	40	-967	757	0.56	0.15	-0.54	
6493	89.53	318.68	4826	110	-1028	849	0.81	-0.69	-0.42	
6584	89.30	318.04	4827	178	-1089	939	0.75	-0.25	-0.70	
6677	89.16	318.85	4829	248	-1150	1031	0.88	-0.15	0.87	
6769	88.89	320.38	4830	318	-1210	1122	1.69	-0.29	1.66	
6860	89.53	319.64	4831	387	-1268	1212	1.08	0.70	-0.81	
6951	91.31	319.88	4831	457	-1327	1302	1.97	1.96	0.26	
7044	90.91	319.80	4829	528	-1387	1394	0.44	-0.43	-0.09	
7135	89.90	319.01	4828	597	-1446	1484	1.41	-1.11	-0.87	
7227	88.93	318.56	4829	666	-1507	1575	1.16	-1.05	-0.49	
7318	89.26	318.17	4831	734	-1567	1665	0.56	0.36	-0.43	
7411	90.57	318.36	4831	804	-1629	1757	1.42	1.41	0.20	
7503	90.77	318.12	4830	872	-1691	1849	0.34	0.22	-0.26	
7595	89.46	316.47	4830	940	-1753	1940	2.29	-1.42	-1.79	
7687	89.87	317.99	4830	1007	-1815	2031	1.71	0.45	1.65	
7779	89.26	317.51	4831	1075	-1877	2123	0.84	-0.66	-0.52	
7871	90.07	318.78	4831	1144	-1939	2214	1.64	0.88	1.38	
7963	89.63	318.39	4832	1213	-2000	2305	0.64	-0.48	-0.42	
8055	89.90	318.45	4832	1282	-2061	2396	0.30	0.29	0.07	
8147	89.90	317.79	4832	1350	-2122	2488	0.72	0.00	-0.72	
8238	89.29	318.37	4833	1418	-2183	2578	0.92	-0.67	0.64	
8331	89.29	319.86	4834	1488	-2244	2670	1.60	0.00	1.60	
8424	89.56	319.86	4835	1559	-2304	2762	0.29	0.29	0.00	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 513H - Slot 3
Project:	Nageezi Unit	TVD Reference:	GL 6805' & RKB 26' @ 6831ft (H&P 443)
Site:	P09 2309	MD Reference:	GL 6805' & RKB 26' @ 6831ft (H&P 443)
Well:	# 513H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8515	90.07	319.66	4835	1629	-2362	2852	0.60	0.56	-0.22	
8607	89.90	319.14	4835	1699	-2422	2943	0.59	-0.18	-0.57	
8698	90.13	318.64	4835	1767	-2482	3033	0.60	0.25	-0.55	
8791	89.06	317.88	4836	1837	-2544	3125	1.41	-1.15	-0.82	
8883	89.06	317.42	4837	1905	-2606	3217	0.50	0.00	-0.50	
8976	89.93	318.01	4838	1973	-2669	3309	1.13	0.94	0.63	
9068	88.19	316.44	4840	2041	-2731	3400	2.55	-1.89	-1.71	
9160	90.27	318.55	4841	2109	-2793	3492	3.22	2.26	2.29	
9254	89.50	316.47	4841	2178	-2857	3585	2.36	-0.82	-2.21	
9345	89.26	316.17	4842	2244	-2920	3676	0.42	-0.26	-0.33	
9437	90.00	317.63	4843	2311	-2982	3767	1.78	0.80	1.59	
9529	89.63	316.23	4843	2378	-3045	3859	1.57	-0.40	-1.52	
9622	89.66	316.67	4844	2446	-3109	3951	0.47	0.03	0.47	
9714	89.16	317.06	4844	2513	-3172	4043	0.69	-0.54	0.42	
9806	88.96	316.96	4846	2580	-3235	4134	0.24	-0.22	-0.11	
9897	89.70	318.67	4847	2648	-3296	4225	2.05	0.81	1.88	
9990	88.89	317.18	4848	2717	-3358	4317	1.82	-0.87	-1.60	
10,082	89.56	317.76	4849	2784	-3421	4408	0.96	0.73	0.63	
10,175	89.63	318.22	4850	2853	-3483	4501	0.50	0.08	0.49	
10,267	90.77	319.91	4850	2923	-3543	4592	2.22	1.24	1.84	
10,359	91.07	320.35	4848	2994	-3602	4683	0.58	0.33	0.48	
10,451	91.07	320.38	4847	3064	-3661	4773	0.03	0.00	0.03	
10,542	90.07	319.00	4846	3134	-3720	4863	1.87	-1.10	-1.52	
10,633	88.69	316.67	4847	3201	-3781	4954	2.98	-1.52	-2.56	
10,726	89.43	317.85	4848	3270	-3844	5046	1.50	0.80	1.27	
10,819	89.80	317.77	4849	3338	-3906	5138	0.41	0.40	-0.09	
10,910	89.66	318.63	4849	3406	-3967	5229	0.96	-0.15	0.95	
11,002	90.07	320.82	4849	3476	-4026	5319	2.42	0.45	2.38	
11,095	90.50	320.07	4849	3548	-4086	5411	0.93	0.46	-0.81	
11,142	90.50	320.07	4849	3584	-4116	5458	0.00	0.00	0.00	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 513H - Slot 3
Project:	Nageezi Unit	TVD Reference:	GL 6805' & RKB 26' @ 6831ft (H&P 443)
Site:	P09 2309	MD Reference:	GL 6805' & RKB 26' @ 6831ft (H&P 443)
Well:	# 513H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
513H 85° Casing	0.00	0.00	4816	-768	-211	1,905,038.61	2,736,241.84	36.23554229	-107.78874215
- actual wellpath misses target center by 8ft at 5292ft MD (4819 TVD, -774 N, -217 E)									
- Point									
513H Heel	0.00	0.00	4831	-591	-381	1,905,214.79	2,736,072.06	36.23602650	-107.78931760
- actual wellpath misses target center by 13ft at 5538ft MD (4825 TVD, -599 N, -389 E)									
- Circle (radius 50)									
513H Toe	0.00	0.00	4871	3593	-4141	1,909,397.59	2,732,310.25	36.24752100	-107.80206910
- actual wellpath misses target center by 35ft at 11142ft MD (4849 TVD, 3584 N, -4116 E)									
- Circle (radius 100)									

Design Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	Comment	
442	442	-5	0	First Surface MWD Survey	
4464	4276	-1082	226	Last Surface MWD Survey	
4559	4366	-1071	199	First Curve MWD Survey	
5295	4819	-772	-218	Last Curve MWD Survey	
5364	4822	-723	-267	First Lateral MWD Survey	
11,095	4849	3548	-4086	Last Lateral MWD Survey	
11,142	4849	3584	-4116	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____

**Directional Survey Certification**

7237 Barton Drive
Casper, WY 82604
(307) 472-6621

Operator	DJR Energy
Well Name & No.	Nageezi P09 2309 513H
County & State	San Juan, NM
SDI Job No.	OP.031130
Rig	H&P 443

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 442 feet to a measured depth of 11,142 feet is true and correct as determined from all available records.

A handwritten signature in blue ink, appearing to read 'Janie Collins', written over a horizontal line.

Signature

8-Nov-21

Date

Janie Collins

Contract Well Planner
Scientific Drilling International

Well Name: NAGEEZI UNIT	Well Location: T23N / R9W / SEC 9 / SESE / 36.237718 / -107.788083	County or Parish/State: SAN JUAN / NM
Well Number: 513H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: NMNM8005	Unit or CA Name: NAGEEZI UNIT	Unit or CA Number: NMNM132981A, NMNM132981X
US Well Number: 3004535764	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Subsequent Report

Sundry ID: 2663732

Type of Submission: Subsequent Report

Date Sundry Submitted: 03/24/2022

Date Operation Actually Began: 02/21/2022

Type of Action: Hydraulic Fracturing

Time Sundry Submitted: 10:12

Actual Procedure: 1/18/22: PT 4.5" x 7" casing 2000 psi (5 min). Bleed down 7" to 1000 psi, pressure up 4.5" to 7050 psi & hold (15 min). Pressure up to 7500 psi & hold (15 min). All test good & recorded on chart. 2/21 to 2/28: Plug & Perf 19 stages. 3 & 2 spf with .35" diameter from 5508' to 11073' MD (4824' to 4849' TVD). Total of 665 open holes. Plugs set from 10795' to 5790'. Kill plug at 5316'. Frac 19 stages with 32,780 bbls of fluid. 5,858,420 lbs proppant. 50,762,529 scf N2. 3/19 to 3/20: MIRU AWS 812. NU BOP. PT pipe rams, flowback, blind rams high 4750 psi (10 min) low 300 psi (5 min). Annular high 2550 psi (10 min), low 300 psi (5 min). All tests good & recorded on chart. TIH. Drill out plugs. TOH. 3/21: PT BOP high 2000 psi, low 500 psi (30 min). Test good & recorded on chart. TIH with production string. Land 158 jts of 2.875" 6.5# L80 STC tubing. EOT: 5190'. 3 GLVs set at 4179'-2999'-1630'. TOH. PT 2.875" tubing hanger, high 5000 psi (30 min). Test good & recorded on chart. Turn well over to production. Rig AWS 812 released on 3/21/22

Well Name: NAGEEZI UNIT	Well Location: T23N / R9W / SEC 9 / SESE / 36.237718 / -107.788083	County or Parish/State: SAN JUAN / NM
Well Number: 513H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: NMNM8005	Unit or CA Name: NAGEEZI UNIT	Unit or CA Number: NMNM132981A, NMNM132981X
US Well Number: 3004535764	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: SHAW-MARIE FORD	Signed on: MAR 24, 2022 10:12 AM
Name: DJR OPERATING LLC	
Title: Regulatory Specialist	
Street Address: 1 Road 3263	
City: Aztec	State: NM
Phone: (505) 632-3476	
Email address: sford@djrlc.com	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 03/29/2022
Signature: Kenneth Rennick	



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print

06/29/2022

Operator Name DJR OPERATING LLC	Well Name NAGEEZI UNIT	Well Number 513H	US Well Number 3004535764
SHL SESE Sec 9 23N 9W	County SAN JUAN	State NM	Lease Number(s) NMNM8005
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NAGEEZI UNIT	Agreement Number(s) NMNM132981X, NMNM132981A
Allottee/Tribe Name EASTERN NAVAJO	Well Pad Name NAGEEZI UNIT	Well Pad Number 513H	ID 10400000924

[Request for OCD extension of time to file BLM approved Form 3160-4](#)

Section 1 - General

Well Completion Report Id: 85149	Submission Date: N/A until DB	
BLM Office: Farmington Field Office	User: SHAW-MARIE FORD	Title: Regulatory Specialist
Federal/Indian: INDIAN	Lease Number: NMNM8005	Lease Acres:
Agreement in place?: YES	Federal or Indian Agreement:	
Agreement Number:	Agreement Name: NAGEEZI UNIT	
Keep this Well Completion Report confidential?:		
APD Operator: DJR OPERATING LLC		

Section 2 - Well

Field/Pool or Exploratory:	Pool Name: Nageezi Unit; Mancos	Field Name: NAGEEZI UNIT HZ
Well Type: OIL WELL		
Spud Date: 05-03-2021		
Date Total Measured Depth Reached: 11-01-2021		
Drill & Abandon or Ready To Produce: READY TO		
Well Class: HORIZONTAL		

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
OJO ALAMAO	SANDSTONE		6805	444	444	USEABLE WATER	
KIRTLAND	SHALE		-584	584	584	NONE	

Operator Name DJR OPERATING LLC	Well Name NAGEEZI UNIT	Well Number 513H	US Well Number 3004535764
SHL SESE Sec 9 23N 9W	County SAN JUAN	State NM	Lease Number(s) NMNM8005
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NAGEEZI UNIT	Agreement Number(s) NMNM132981X, NMNM132981A ID 10400000924
Allottee/Tribe Name EASTERN NAVAJO	Well Pad Name NAGEEZI UNIT	Well Pad Number 513H	

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
FRUITLAND	COAL		-890	890	892	NATURAL GAS	
PICTURED CLIFFS	SANDSTONE		-1152	1152	1160	USEABLE WATER	
LEWIS	SHALE		-1253	1253	1265	NONE	
CHACRA	SANDSTONE		-1874	1874	1914	NONE	
MENEFEE	COAL, SANDSTONE		-2586	2586	2658	NATURAL GAS	
POINT LOOKOUT	SANDSTONE		-3579	3579	3696	NONE	
MANCOS	SHALE		-3715	3715	3838	NONE	
MANCOS	SILTSTONE		-4035	4035	4172	NATURAL GAS, OIL	
GALLUP	SILTSTONE		-4554	4554	4725	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4599	4599	4783	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4690	4690	4917	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4819	4819	5328	NATURAL GAS, OIL	

Completion and Completed

Operator Name DJR OPERATING LLC	Well Name NAGEEZI UNIT	Well Number 513H	US Well Number 3004535764
SHL SESE Sec 9 23N 9W	County SAN JUAN	State NM	Lease Number(s) NMNM8005
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NAGEEZI UNIT	Agreement Number(s) NMNM132981X, NMNM132981A
Allottee/Tribe Name EASTERN NAVAJO	Well Pad Name NAGEEZI UNIT	Well Pad Number 513H	ID 10400000924

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM132981A	NMNM8005	NEW		POW	03-21-2022	03-22-2022	GALLUP	5508	11073	Y	.35	665	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	32780	5858420	Chemical Disclosure Statement uploaded to FracFocus on 03/22/22. AMENDED to include Production Test data per the NMOCD on 06/28/22.

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1			GAS LIFT		SOLD	

Operator Name DJR OPERATING LLC	Well Name NAGEEZI UNIT	Well Number 513H	US Well Number 3004535764
SHL SESE Sec 9 23N 9W	County SAN JUAN	State NM	Lease Number(s) NMNM8005
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NAGEEZI UNIT	Agreement Number(s) NMNM132981X, NMNM132981A
Allottee/Tribe Name EASTERN NAVAJO	Well Pad Name NAGEEZI UNIT	Well Pad Number 513H	ID 10400000924

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	S1	1	03/24/2022	24	854	1040	331	1217	40/64	362		929

Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum:

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.237651	-107.788026	6805	FEDERAL	NMNM0008005				1246	FSL	808	FEL	23N	9W	9	SESE
KOP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.237651	-107.788026	6453	FEDERAL	NMNM0008005				1246	FSL	808	FEL	23N	9W	9	SESE
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.241489	-107.795371	1957	INDIAN	NOG14021884				2633	FNL	2326	FWL	23N	9W	9	SENW
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.235664	-107.788932	1972	FEDERAL	NMNM0008005				526	FSL	1080	FEL	23N	9W	9	SESE

Operator Name DJR OPERATING LLC	Well Name NAGEEZI UNIT	Well Number 513H	US Well Number 3004535764
SHL SESE Sec 9 23N 9W	County SAN JUAN	State NM	Lease Number(s) NMNM8005
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NAGEEZI UNIT	Agreement Number(s) NMNM132981X, NMNM132981A
Allottee/Tribe Name EASTERN NAVAJO	Well Pad Name NAGEEZI UNIT	Well Pad Number 513H	ID 10400000924

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.247397	-107.801882	1957	INDIAN	N0G14021884				487	FNL	409	FWL	23N	9W	9	NWNW
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.247496	-107.801984	1957	INDIAN	N0G14021884	4848	11123		451	FNL	379	FWL	23N	9W	9	NWNW

Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	12.25	0	352	9.625	36	J-55		ST&C		0
00	INTERMEDIATE	8.75	0	5334	7.0	26	J-55		LT&C		0
00	LINER	6.125	5021	11137	4.5	11	P-110		BUTT		0

Operator Name DJR OPERATING LLC	Well Name NAGEEZI UNIT	Well Number 513H	US Well Number 3004535764
SHL SESE Sec 9 23N 9W	County SAN JUAN	State NM	Lease Number(s) NMNM8005
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NAGEEZI UNIT	Agreement Number(s) NMNM132981X, NMNM132981A
Allottee/Tribe Name EASTERN NAVAJO	Well Pad Name NAGEEZI UNIT	Well Pad Number 513H	ID 10400000924

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield (cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		C	109	1.61	0					31.3
00	INTERMEDIATE		G	357	2.32	0	G	260	1.49	3688	216.5
00	LINER		G	532	1.52	5021					144

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	2.875		5190		6	L-80		ST&C	

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
00	NO	NO	NO	YES	NO	YES

Operator Name DJR OPERATING LLC	Well Name NAGEEZI UNIT	Well Number 513H	US Well Number 3004535764
SHL SESE Sec 9 23N 9W	County SAN JUAN	State NM	Lease Number(s) NMNM8005
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NAGEEZI UNIT	Agreement Number(s) NMNM132981X, NMNM132981A
Allottee/Tribe Name EASTERN NAVAJO	Well Pad Name NAGEEZI UNIT	Well Pad Number 513H	ID 10400000924

Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: DJR OPERATING LLC

Signed By: SHAW-MARIE FORD

Title: Regulatory Specialist

Signed on: 06/29/2022

Street Address: 1 Road 3263

City: Aztec

State: NM

Zip: 87410

Phone: (505)632-3476

Email address: sford@djrlc.com

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Extension:

Email address:

Attachments

513H_Certified_As_Drilled_Directional_Survey_20220328122153.pdf

513H_C102_AsDrilled_20220328122221.pdf

NU_513H_WBD_20220328122238.pdf

**Nageezi Unit 513H****API: 30-045-35764**

SHL: 1246' FSL x 808' FEL ULSTR: P-09-23N-09W

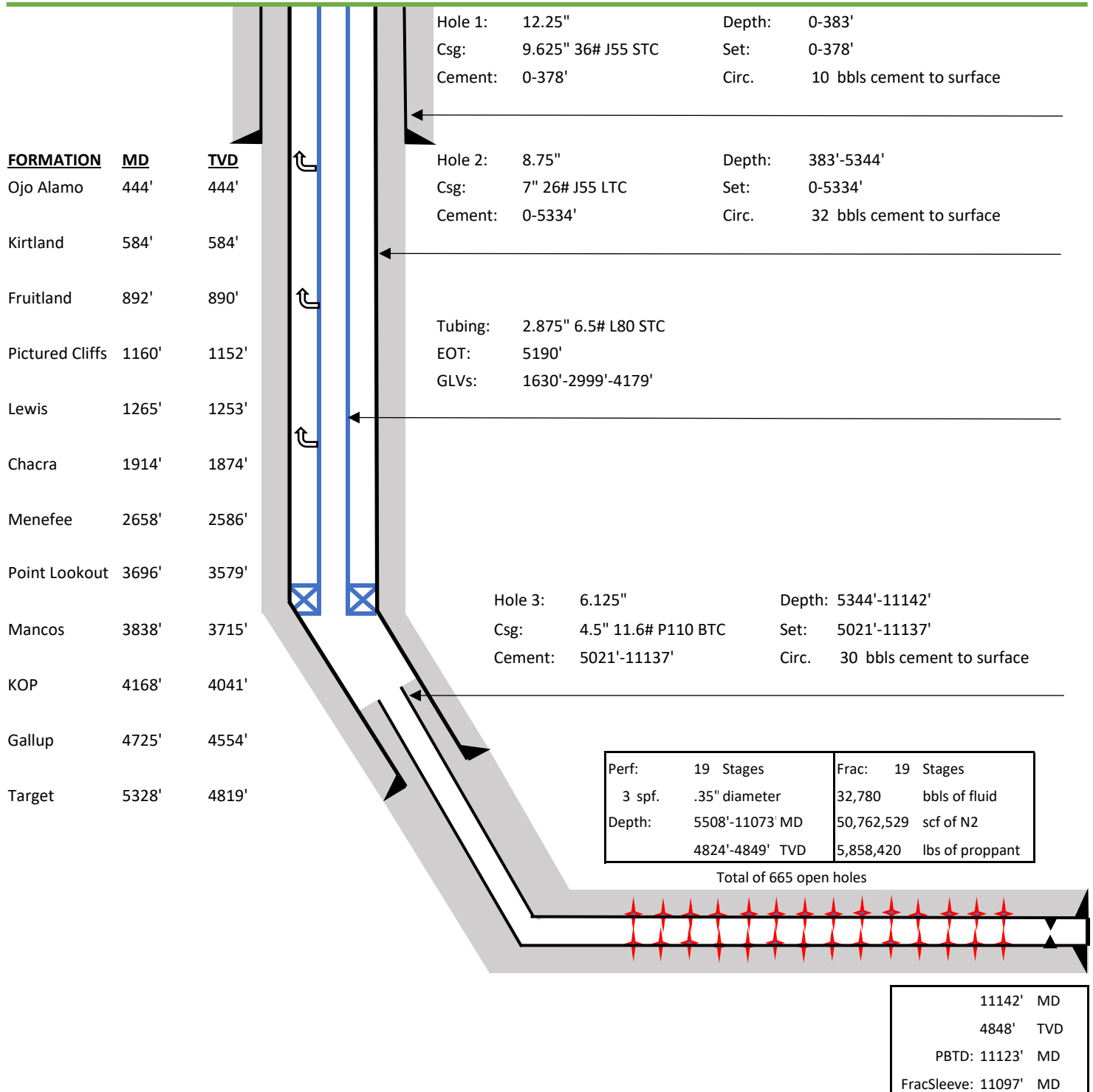
Lat: 36.237651 Long: -107.788026

BHL: 451' FNL x 379' FWL ULSTR: D-09-23N-09W

Lat: 36.247496 Long: -107.801984 Elevation: 6805' GL

Spud Date: 5/3/2021

Completed Date: 3/21/2022

Current Wellbore

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 121404

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 121404
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 121404

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 121404
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	6/29/2022