

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

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 RT	
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 TBD		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 6500 Townbridge Drive, El Paso, TX 79905	O
151618	Enterprise Field Services, LLC Post Office Box 4503, Houston, TX 77001	G
	~Gas will be flared during flowback & until N2 & O2 is cleaned from the wellbore~	

IV. Well Completion Data

²¹ Spud Date 05/03/21	²² Ready Date 03/08/22	²³ TD 11,142' MD 4,848' TVD	²⁴ PBTD 11,123 MD 4,848' TVD	²⁵ Perforations 5,507'-11,073' MD 4,823'- 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

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
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>3/4/2022</i>		
Date: 02/10/22		Phone: 505-716-3297	<i>RT EXPIRES 6/4/2022</i>		

DISTRICT I

1625 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) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

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

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☐ 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

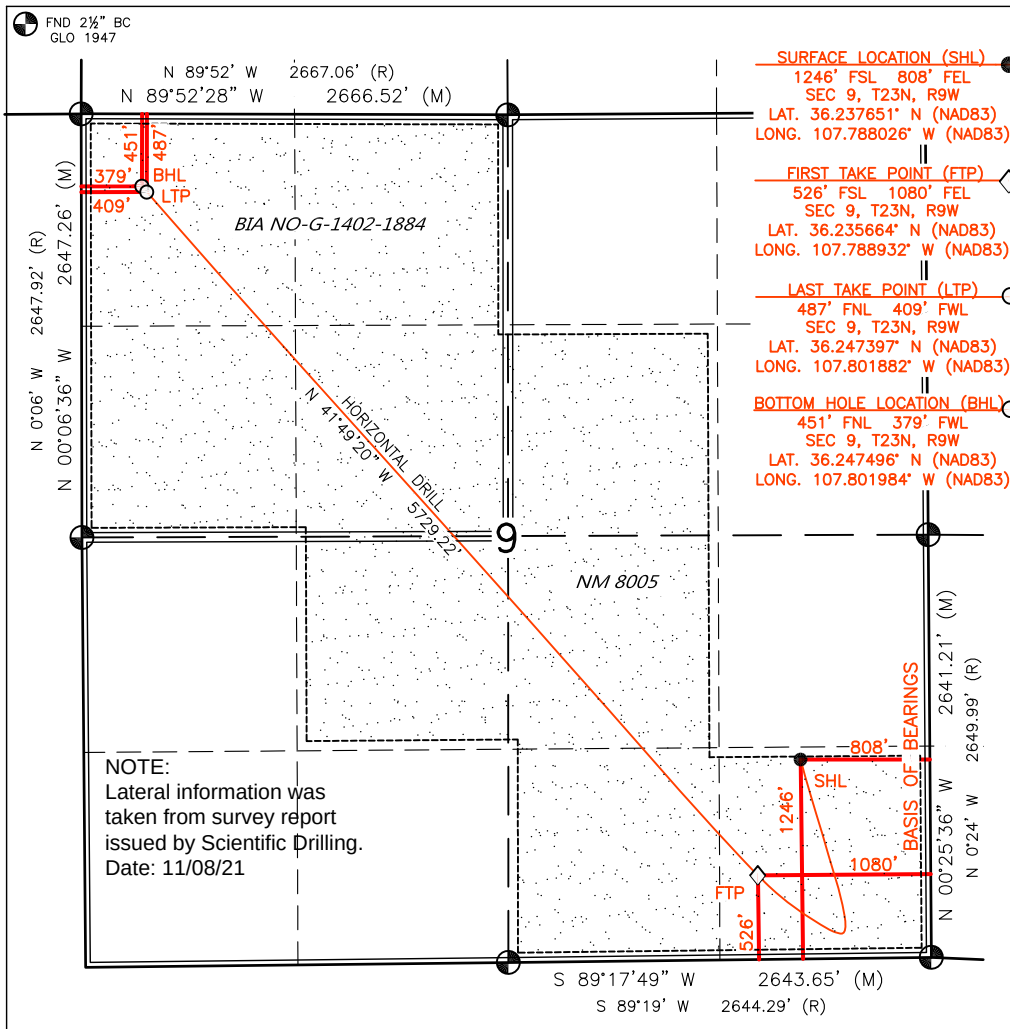
¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC 9: SE/SE, SW/SE, NW/SE, NE/SW,
SW/NE & NW/4 = 360 ACRES

¹³ Joint or Infill¹⁴ Consolidation Code¹⁵ 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 01/27/22
Signature Date

Shaw-Marie Ford

Printed Name

sford@djrlc.com

E-mail Address

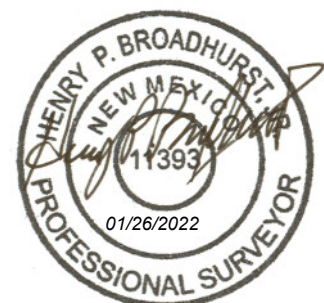
SURVEYOR CERTIFICATION

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

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Energy, Minerals & Natural Resources Department

Form C-102
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1220 South St. Francis Dr.
Santa Fe, NM 87505

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☐ AMENDED REPORT
☒ AS-DRILLED

NAGEEZI UNIT #513H

PPP-1 (FIRST TAKE POINT) NM 8005
526' FSL, 1080' FEL
LOCATED IN THE SE/SE OF SECTION 9,
T23N, R9W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
LATITUDE: 36.235664°N LONGITUDE: 107.788932°W

PPP-2 BIA NO-G-1402-1884
2633' FNL, 2326' FWL
LOCATED IN THE SE/NW OF SECTION 9,
T23N, R9W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
LATITUDE: 36.241489°N LONGITUDE: 107.795370°W

PPP-3 (LAST TAKE POINT) BIA NO-G-1402-1884
487' FNL, 409' FWL
LOCATED IN THE NW/NW OF SECTION 9,
T23N, R9W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
LATITUDE: 36.247397°N LONGITUDE: 107.801882°W



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

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 80511

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 80511
	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.

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CONDITIONS

Action 80511

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 80511
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 6/4/2022	3/4/2022