

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 RT	
⁴ API Number 30-045-38196	⁵ Pool Name Nageezi Unit; Mancos (Oil)		⁶ Pool Code 98080
⁷ Property Code 325268	⁸ Property Name Nageezi Unit		⁹ Well Number 315H

II. ¹⁰ Surface Location

Ul or lot no. M	Section 35	Township 24N	Range 09W	Lot Idn	Feet from the 30'	North/South Line South	Feet from the 273'	East/West line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. M	Section 27	Township 24N	Range 09W	Lot Idn	Feet from the 918'	North/South line South	Feet from the 868'	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 11/04/21	²² Ready Date 06/12/22	²³ TD 12,435' MD 5,284' TVD	²⁴ PBDT 12,414' MD 5,284' TVD	²⁵ Perforations 5,618'-12,361' MD 5,184'- 5,284' TVD Frac Sleeve @ 12,390'	²⁶ DHC, MC	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
12.25		9.625" 36# J55		350'		109
8.75		7" 26# J55		5,540'		623
6.125		4.5" 11.6# P110		TOL: 5,303' BOL: 12,430'		608

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@djrlc.com			Approval Date: <i>6/30/2022</i>		
Date: 05/04/22		Phone: 505-716-3297	<i>RT EXPIRES 9/12/2022</i>		

DISTRICT I

1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 748-0720

DISTRICT II

811 S. First St., Artesia, N.M. 88210
Phone: (505) 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

Submit one copy to appropriate
District Office

☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38196	² Pool Code 98080	³ Pool Name NAGEEZI UNIT MANCOS OIL POOL
⁴ Property Code 325268	⁵ Property Name NAGEEZI UNIT	⁶ Well Number 315H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6864'

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	35	24N	9W		30'	SOUTH	273'	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
M	27	24N	9W		918'	SOUTH	868'	WEST	SAN JUAN

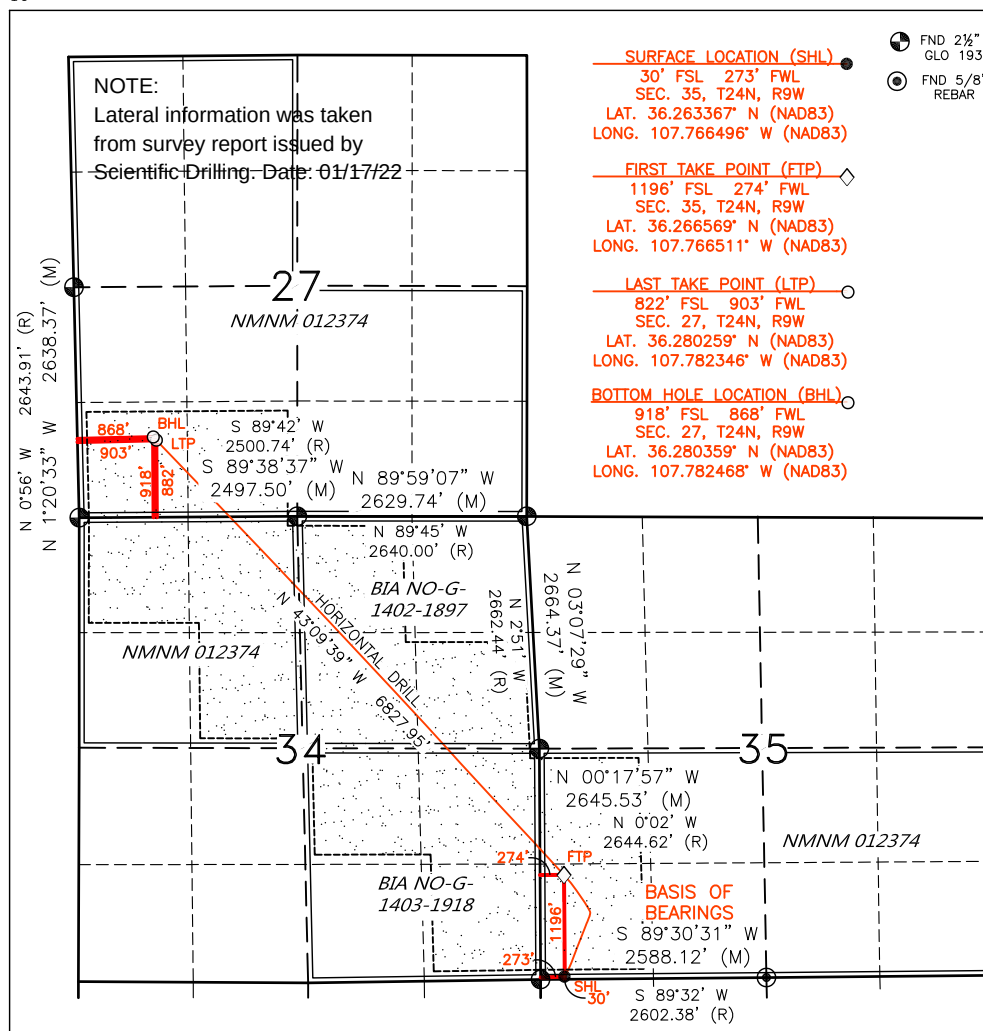
¹² Dedicated Acres **PENETRATED SPACING UNIT;**
SEC 35: NW/SW & SW/SW (80 AC.); SEC 34: SE/SE,
NE/SE, NW/SE, SE/NE, SW/NE, NW/NE, SE/NW, NE/NW
& NW/NW (360 AC.); SEC 27: SE/SW & SW/SW (80
AC.) = 520 ACRES TOTAL

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 02/25/22
Signature Date

Shaw-Marie Ford
Printed Name

sford@djrlc.com
E-mail Address

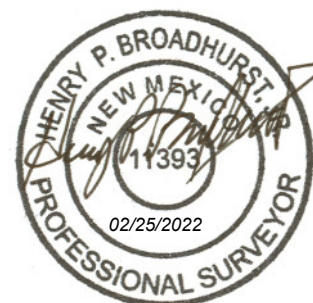
SURVEYOR CERTIFICATION

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.

FEBRUARY 24, 2022

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

11393

**Directional Survey Certification**

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

Operator	DJR Energy
Well Name & No.	Nageezi M35 2409 315H
County & State	San Juan, NM
SDI Job No.	OP.031938
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 455 feet to a measured depth of 12,435 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

17-Jan-22

Date

Janie Collins

Contract Well Planner
Scientific Drilling International



DJR

**Nageezi Unit
M35 2409 Pad
#315H**

End of Well Report



www.scientificdrilling.com

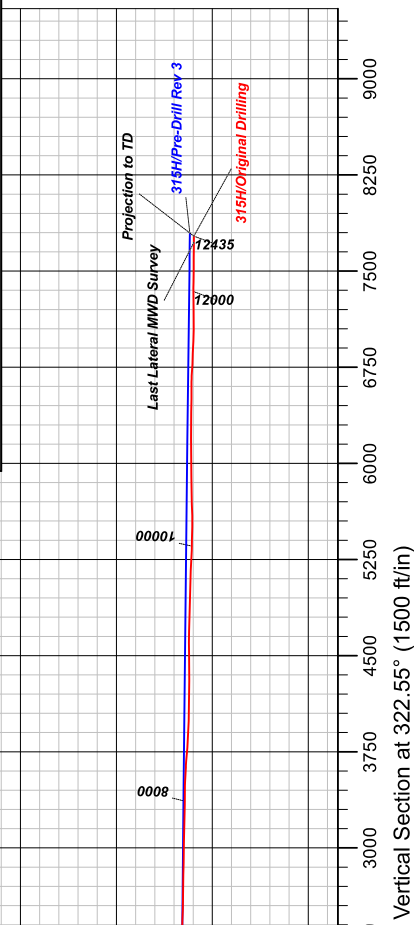
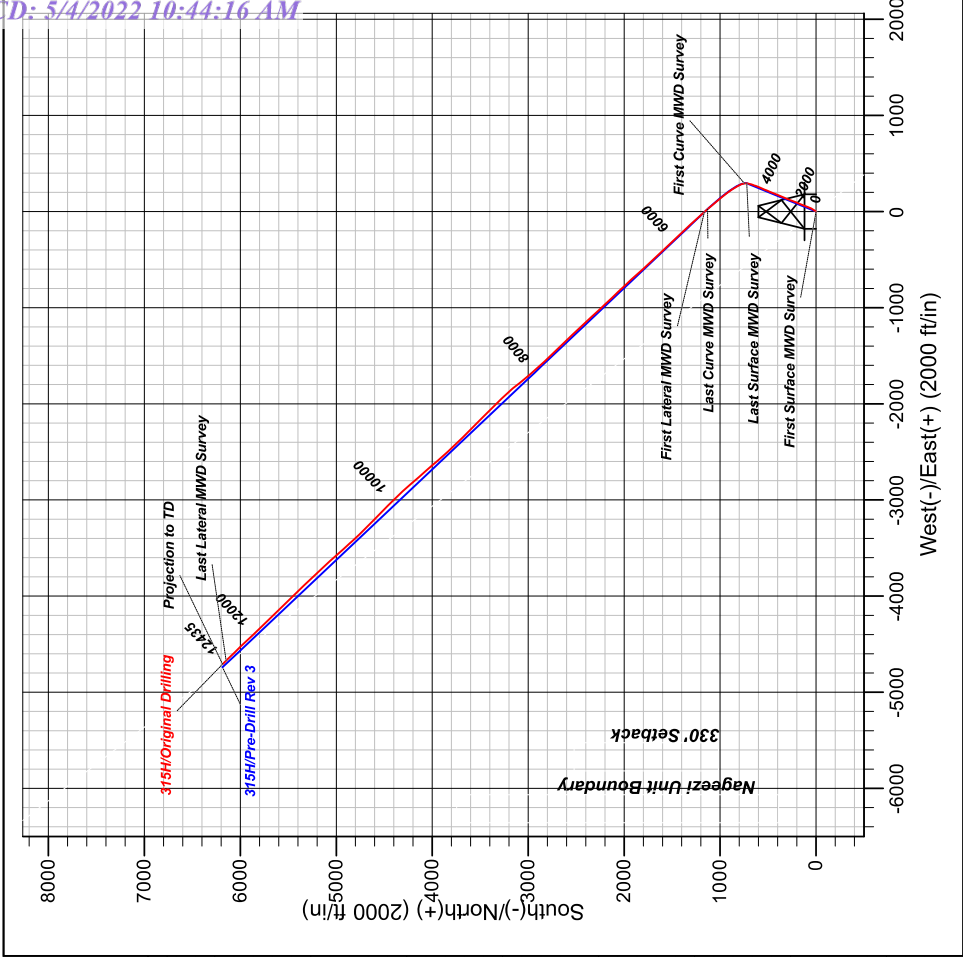
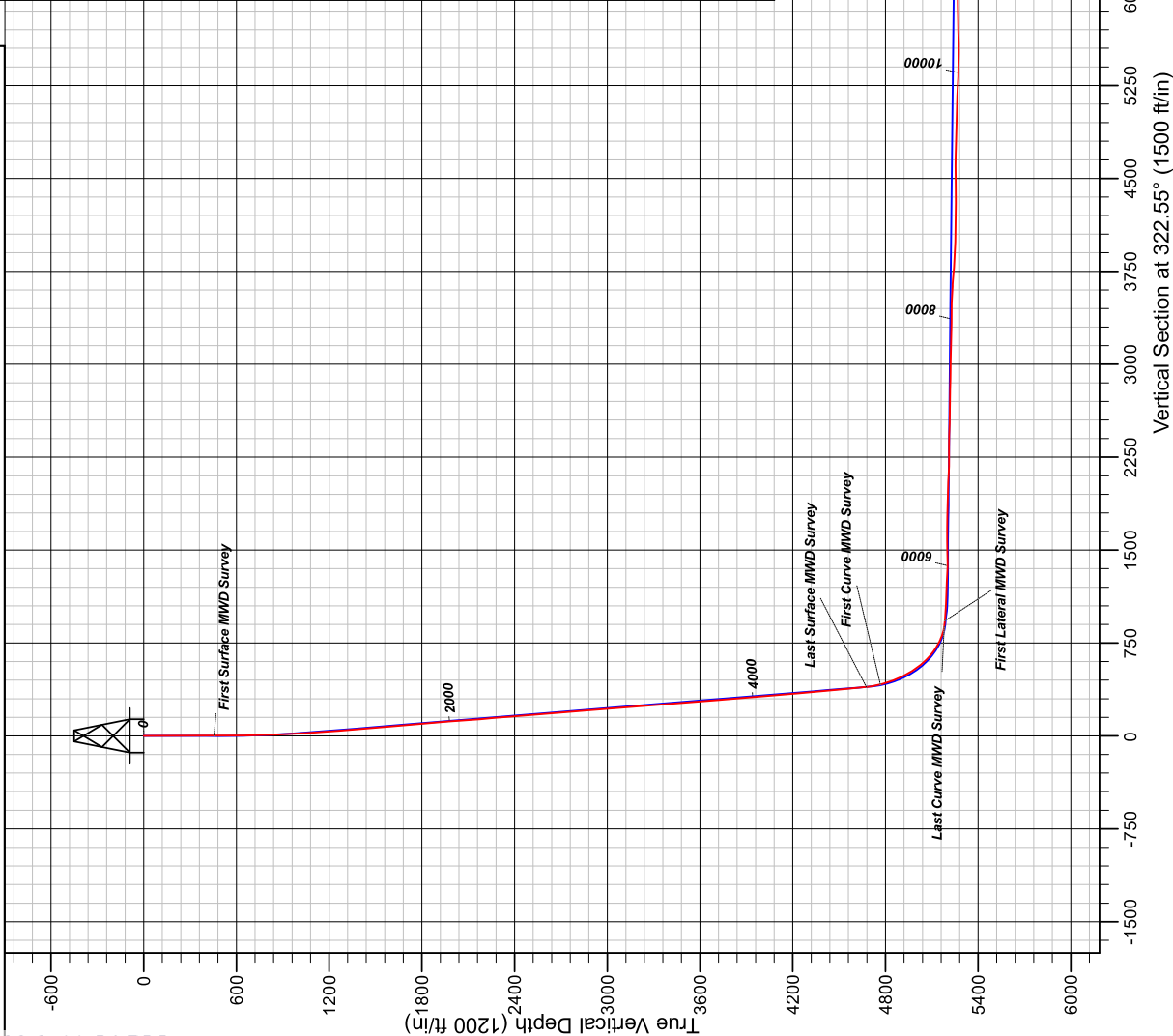




Company Name: DJR Operating
Project: Nageezi Unit
Site: M35 2409
Well: 315H
Wellbore: Original Drilling



WELL DETAILS: 315H				
GL 6865' & RKB 26' @ 689 ft (H&P 443) 6865				
+N/-S	+E/-W	Northing	Latitude	Longitude
0	0	1915171.21	36.26336700	-107.76649598
				3



Design: Original Drilling (315H/Original Drilling)	PROJECT DETAILS: Nageezi Unit
Created By: Janie Collins	Geodetic System: US State Plane 1983
Date: 15:00, January 17 2022	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

M35 2409

315H - Slot 3

Original Drilling

Design: Original Drilling

Standard Survey Report

17 January, 2022



www.scientificdrilling.com



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 315H - Slot 3
Project:	Nageezi Unit	TVD Reference:	GL 6865' & RKB 26' @ 6891ft (H&P 443)
Site:	M35 2409	MD Reference:	GL 6865' & RKB 26' @ 6891ft (H&P 443)
Well:	315H	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		M35 2409				
Site Position:		Northing:	1,915,230.54	usft	Latitude:	36.26353000
From:	Lat/Long	Easting:	2,742,788.84	usft	Longitude:	-107.76651800
Position Uncertainty:		0	ft	Slot Radius:	13.20	in
				Grid Convergence:	0.04	°

Well	315H - Slot 3					
Well Position	+N/-S	0 ft	Northing:	1,915,171.21 usft	Latitude:	36.26336700
	+E/-W	0 ft	Easting:	2,742,795.37 usft	Longitude:	-107.76649599
Position Uncertainty		0 ft	Wellhead Elevation:	ft	Ground Level:	6865 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	1/7/2022	8.62	62.73	49,202.80000000

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	322.55	

Survey Program	Date	1/17/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
455	4751	Survey #1 - Surface MWD Survey (Origin	MWD+HDGM	OWSG MWD + HDGM	
4846	5506	Survey #2 - Curve MWD Survey (Original	MWD+HDGM	OWSG MWD + HDGM	
5552	12,435	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	
455	0.54	333.76	455	2	-1	2	0.12	0.12	0.00	
548	2.16	46.38	548	4	0	3	2.22	1.74	78.09	
639	3.55	38.98	639	7	3	4	1.58	1.53	-8.13	
730	6.25	34.74	730	13	8	6	2.99	2.97	-4.66	
823	7.92	34.81	822	23	14	9	1.80	1.80	0.08	
914	8.30	35.46	912	33	22	13	0.43	0.42	0.71	
1006	10.31	27.37	1003	46	29	19	2.60	2.18	-8.79	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 315H - Slot 3
Project:	Nageezi Unit	TVD Reference:	GL 6865' & RKB 26' @ 6891ft (H&P 443)
Site:	M35 2409	MD Reference:	GL 6865' & RKB 26' @ 6891ft (H&P 443)
Well:	315H	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)	
1097	10.04	25.41	1092	60	36	26	0.48	-0.30	-2.15	
1188	9.72	23.14	1182	74	43	33	0.55	-0.35	-2.49	
1279	10.73	20.94	1271	89	49	41	1.19	1.11	-2.42	
1371	10.74	20.59	1362	105	55	50	0.07	0.01	-0.38	
1461	12.87	20.21	1450	123	61	60	2.37	2.37	-0.42	
1553	12.59	20.02	1540	142	68	71	0.31	-0.30	-0.21	
1645	12.09	24.03	1630	160	76	81	1.08	-0.54	4.36	
1736	10.97	18.92	1719	177	82	90	1.66	-1.23	-5.62	
1827	10.25	22.94	1808	192	88	99	1.13	-0.79	4.42	
1919	10.62	21.84	1899	208	95	107	0.46	0.40	-1.20	
2013	11.04	23.19	1991	224	102	116	0.52	0.45	1.44	
2108	10.83	20.86	2084	241	108	125	0.52	-0.22	-2.45	
2203	10.56	19.03	2178	257	114	135	0.46	-0.28	-1.93	
2297	11.37	21.36	2270	274	120	144	0.98	0.86	2.48	
2392	11.61	23.06	2363	292	128	154	0.44	0.25	1.79	
2487	11.72	24.09	2456	309	135	163	0.25	0.12	1.08	
2582	11.70	22.44	2549	327	143	173	0.35	-0.02	-1.74	
2677	11.96	23.36	2642	345	150	182	0.34	0.27	0.97	
2772	11.89	23.33	2735	363	158	192	0.07	-0.07	-0.03	
2867	10.58	21.29	2828	380	165	201	1.44	-1.38	-2.15	
2962	11.25	21.90	2921	397	172	211	0.72	0.71	0.64	
3057	11.59	23.79	3015	414	179	220	0.53	0.36	1.99	
3152	11.64	23.22	3108	432	187	229	0.13	0.05	-0.60	
3247	10.82	21.67	3201	449	194	238	0.92	-0.86	-1.63	
3341	10.30	18.25	3293	465	200	248	0.87	-0.55	-3.64	
3437	11.15	21.29	3388	482	206	257	1.06	0.89	3.17	
3532	11.05	24.75	3481	499	213	266	0.71	-0.11	3.64	
3627	10.71	22.60	3574	515	220	275	0.56	-0.36	-2.26	
3722	12.02	23.69	3667	532	228	284	1.40	1.38	1.15	
3817	10.53	21.04	3760	549	235	293	1.66	-1.57	-2.79	
3911	10.70	22.33	3853	566	241	302	0.31	0.18	1.37	
4007	11.61	24.10	3947	583	248	311	1.01	0.95	1.84	
4102	13.71	23.71	4040	602	257	321	2.21	2.21	-0.41	
4197	12.85	21.13	4132	622	265	332	1.10	-0.91	-2.72	
4291	11.14	17.23	4224	640	272	343	2.01	-1.82	-4.15	
4386	10.54	17.73	4317	657	277	353	0.64	-0.63	0.53	
4482	11.03	17.97	4412	674	283	364	0.51	0.51	0.25	
4577	10.73	12.63	4505	692	287	374	1.11	-0.32	-5.62	
4701	10.68	11.75	4627	714	292	389	0.14	-0.04	-0.71	
4751	9.80	10.48	4676	723	294	395	1.82	-1.76	-2.54	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 315H - Slot 3
Project:	Nageezi Unit	TVD Reference:	GL 6865' & RKB 26' @ 6891ft (H&P 443)
Site:	M35 2409	MD Reference:	GL 6865' & RKB 26' @ 6891ft (H&P 443)
Well:	315H	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)	
4846	19.95	350.76	4768	747	293	415	11.79	10.68	-20.76	
4941	27.24	338.71	4855	783	282	450	9.17	7.67	-12.68	
5036	34.99	331.03	4936	827	261	498	9.15	8.16	-8.08	
5131	41.80	326.33	5010	878	230	557	7.79	7.17	-4.95	
5226	53.55	323.11	5074	935	190	627	12.62	12.37	-3.39	
5321	62.92	321.09	5124	998	140	707	10.03	9.86	-2.13	
5415	71.71	317.53	5161	1064	83	794	9.98	9.35	-3.79	
5506	83.62	319.77	5180	1131	25	882	13.31	13.09	2.46	
5552	85.58	320.44	5184	1166	-4	928	4.50	4.26	1.46	
5647	88.03	317.52	5190	1237	-67	1023	4.01	2.58	-3.07	
5741	87.96	317.08	5193	1306	-130	1116	0.47	-0.07	-0.47	
5836	88.09	316.49	5196	1376	-195	1211	0.64	0.14	-0.62	
5929	87.66	316.24	5200	1443	-260	1303	0.53	-0.46	-0.27	
6023	90.13	316.35	5201	1511	-325	1397	2.63	2.63	0.12	
6117	90.90	317.17	5201	1579	-389	1490	1.20	0.82	0.87	
6211	90.87	317.05	5199	1648	-453	1584	0.13	-0.03	-0.13	
6305	89.46	318.18	5199	1718	-516	1677	1.92	-1.50	1.20	
6399	88.93	317.57	5200	1787	-579	1771	0.86	-0.56	-0.65	
6492	88.56	317.33	5202	1856	-642	1864	0.47	-0.40	-0.26	
6586	88.59	317.11	5204	1925	-706	1957	0.24	0.03	-0.23	
6681	88.39	316.85	5207	1994	-771	2052	0.35	-0.21	-0.27	
6775	87.99	316.56	5210	2062	-835	2145	0.53	-0.43	-0.31	
6869	90.64	316.69	5211	2131	-900	2239	2.82	2.82	0.14	
6964	89.23	317.38	5211	2200	-964	2333	1.65	-1.48	0.73	
7058	89.06	316.77	5213	2269	-1028	2427	0.67	-0.18	-0.65	
7153	88.73	316.70	5214	2338	-1094	2521	0.36	-0.35	-0.07	
7244	88.80	317.08	5216	2405	-1156	2612	0.42	0.08	0.42	
7334	89.60	317.48	5218	2471	-1217	2701	0.99	0.89	0.44	
7426	89.56	317.03	5218	2538	-1279	2793	0.49	-0.04	-0.49	
7516	88.96	316.16	5219	2604	-1341	2883	1.17	-0.67	-0.97	
7606	89.10	316.00	5221	2669	-1404	2972	0.24	0.16	-0.18	
7696	89.20	315.48	5222	2733	-1466	3061	0.59	0.11	-0.58	
7786	88.63	316.69	5224	2798	-1529	3151	1.49	-0.63	1.34	
7878	89.93	317.69	5225	2865	-1591	3242	1.78	1.41	1.09	
7969	88.22	319.12	5227	2933	-1652	3333	2.45	-1.88	1.57	
8061	90.27	321.11	5228	3004	-1711	3425	3.11	2.23	2.16	
8152	87.62	320.88	5230	3075	-1768	3516	2.92	-2.91	-0.25	
8243	88.19	320.66	5233	3145	-1825	3607	0.67	0.63	-0.24	
8334	86.22	316.83	5237	3213	-1885	3697	4.73	-2.16	-4.21	
8424	86.08	315.94	5243	3278	-1947	3787	1.00	-0.16	-0.99	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 315H - Slot 3
Project:	Nageezi Unit	TVD Reference:	GL 6865' & RKB 26' @ 6891ft (H&P 443)
Site:	M35 2409	MD Reference:	GL 6865' & RKB 26' @ 6891ft (H&P 443)
Well:	315H	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	88.13	315.74	5248	3344	-2011	3877	2.26	2.25	-0.22	
8606	88.49	315.72	5251	3409	-2074	3967	0.40	0.40	-0.02	
8697	89.47	315.65	5252	3474	-2138	4058	1.08	1.08	-0.08	
8788	89.16	314.90	5253	3539	-2202	4148	0.89	-0.34	-0.82	
8878	89.06	313.69	5255	3601	-2266	4237	1.35	-0.11	-1.34	
8969	89.56	314.64	5256	3665	-2331	4327	1.18	0.55	1.04	
9059	90.74	317.06	5256	3729	-2394	4416	2.99	1.31	2.69	
9151	91.14	317.34	5254	3797	-2457	4508	0.53	0.43	0.30	
9243	89.33	318.25	5254	3865	-2518	4600	2.20	-1.97	0.99	
9334	89.77	318.23	5254	3933	-2579	4690	0.48	0.48	-0.02	
9424	88.26	318.62	5256	4000	-2639	4780	1.73	-1.68	0.43	
9515	88.46	318.92	5259	4069	-2699	4871	0.40	0.22	0.33	
9607	88.90	318.80	5261	4138	-2759	4963	0.50	0.48	-0.13	
9698	90.13	319.37	5261	4207	-2819	5054	1.49	1.35	0.63	
9788	87.72	317.88	5263	4274	-2878	5143	3.15	-2.68	-1.66	
9879	86.95	316.99	5267	4341	-2940	5234	1.29	-0.85	-0.98	
9969	88.49	315.60	5271	4406	-3002	5323	2.30	1.71	-1.54	
10,061	89.33	314.73	5273	4471	-3067	5414	1.31	0.91	-0.95	
10,152	89.40	314.12	5274	4535	-3132	5505	0.67	0.08	-0.67	
10,242	91.24	315.40	5273	4598	-3196	5594	2.49	2.04	1.42	
10,334	90.94	314.53	5271	4663	-3261	5685	1.00	-0.33	-0.95	
10,425	91.51	314.77	5270	4727	-3325	5775	0.68	0.63	0.26	
10,517	91.37	317.00	5267	4793	-3389	5866	2.43	-0.15	2.42	
10,609	89.30	318.12	5267	4861	-3451	5958	2.56	-2.25	1.22	
10,700	89.46	318.05	5268	4929	-3512	6049	0.19	0.18	-0.08	
10,792	90.33	318.52	5268	4998	-3573	6140	1.07	0.95	0.51	
10,881	90.13	317.74	5267	5064	-3633	6229	0.90	-0.22	-0.88	
10,973	90.97	317.87	5267	5132	-3695	6321	0.92	0.91	0.14	
11,064	88.36	315.72	5267	5198	-3757	6411	3.72	-2.87	-2.36	
11,154	89.33	316.11	5269	5263	-3820	6501	1.16	1.08	0.43	
11,244	90.74	316.68	5269	5328	-3882	6590	1.69	1.57	0.63	
11,335	87.22	316.35	5271	5394	-3944	6681	3.89	-3.87	-0.36	
11,426	87.93	316.16	5274	5460	-4007	6771	0.81	0.78	-0.21	
11,517	87.96	315.92	5278	5525	-4070	6861	0.27	0.03	-0.26	
11,608	88.49	315.84	5280	5591	-4134	6952	0.59	0.58	-0.09	
11,697	88.63	315.54	5283	5654	-4196	7040	0.37	0.16	-0.34	
11,791	90.60	316.25	5283	5722	-4261	7133	2.23	2.10	0.76	
11,886	90.80	315.82	5282	5790	-4327	7228	0.50	0.21	-0.45	
11,980	90.37	316.36	5281	5858	-4392	7321	0.73	-0.46	0.57	
12,074	89.10	316.75	5282	5926	-4457	7415	1.41	-1.35	0.41	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 315H - Slot 3
Project:	Nageezi Unit	TVD Reference:	GL 6865' & RKB 26' @ 6891ft (H&P 443)
Site:	M35 2409	MD Reference:	GL 6865' & RKB 26' @ 6891ft (H&P 443)
Well:	315H	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)	
12,168	89.50	316.41	5283	5994	-4521	7508	0.56	0.43	-0.36	
12,263	89.53	315.90	5284	6063	-4587	7603	0.54	0.03	-0.54	
12,357	89.83	315.66	5284	6130	-4653	7696	0.41	0.32	-0.26	
12,384	90.10	315.55	5284	6150	-4672	7723	1.08	1.00	-0.41	
12,435	90.10	315.55	5284	6186	-4707	7773	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
315H 85° Casing Rev 3	0.00	0.00	5187	1145	14	1,916,315.78	2,742,808.89	36.26651119	-107.76644744	
- hit/miss target										
- Shape										
- actual wellpath misses target center by 5ft at 5524ft MD (5182 TVD, 1144 N, 13 E)										
- Point										
315H Heel Rev 1	0.00	0.00	5202	1314	-134	1,916,485.54	2,742,660.45	36.26697780	-107.76695060	
- actual wellpath misses target center by 9ft at 5750ft MD (5193 TVD, 1313 N, -136 E)										
- Circle (radius 50)										
315H Toe Rev 1	0.00	0.00	5259	6187	-4739	1,921,354.78	2,738,051.99	36.28036160	-107.78257510	
- actual wellpath misses target center by 40ft at 12435ft MD (5284 TVD, 6186 N, -4707 E)										
- Circle (radius 100)										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
455	455	2	-1	First Surface MWD Survey	
4751	4676	723	294	Last Surface MWD Survey	
4846	4768	747	293	First Curve MWD Survey	
5506	5180	1131	25	Last Curve MWD Survey	
5552	5184	1166	-4	First Lateral MWD Survey	
12,384	5284	6150	-4672	Last Lateral MWD Survey	
12,435	5284	6186	-4707	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____

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

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District IV

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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 103984

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 103984
	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 103984

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 103984
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 9/12/2022	6/30/2022