

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 30-045-38197	⁵ Pool Name Nageezi Unit; Mancos (Oil)		⁶ Pool Code 98080
⁷ Property Code 325268	⁸ Property Name Nageezi Unit		⁹ Well Number 316H

II. ¹⁰ Surface Location

Ul or lot no. M	Section 35	Township 24N	Range 09W	Lot Idn	Feet from the 50'	North/South Line South	Feet from the 271'	East/West line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. M	Section 01	Township 23N	Range 09W	Lot Idn	Feet from the 377'	North/South line South	Feet from the 1178'	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 11/05/21	²² Ready Date 06/12/22	²³ TD 13,405' MD 5,079' TVD	²⁴ PBTD 13,386' MD 5,079' TVD	²⁵ Perforations 6,002'-13,335' MD 5,186'- 5,079' TVD Frac Sleeve @ 13,364'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12.25		9.625" 36# J55		351'	109
8.75		7" 26# J55		5,692'	667
6.125		4.5" 11.6# P110		TOL: 5,438' BOL: 13,400'	720

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) 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

Submit one copy to appropriate
District Office

☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38197	² Pool Code 98080	³ Pool Name NAGEEZI UNIT MANCOS OIL POOL
⁴ Property Code 325268	⁵ Property Name NAGEEZI UNIT	⁶ Well Number 316H
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		50'	SOUTH	271'	WEST	SAN JUAN

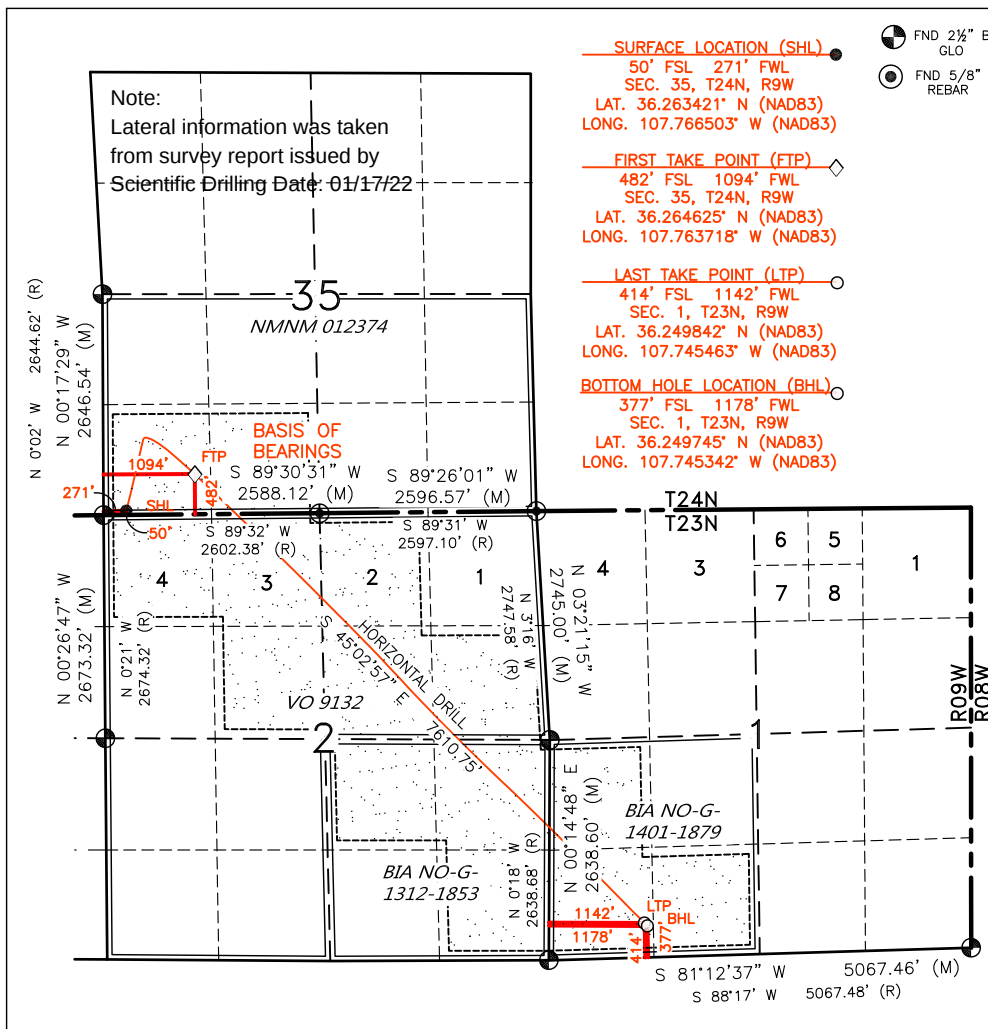
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	1	23N	9W		377'	SOUTH	1178'	WEST	SAN JUAN

¹² Dedicated Acres SEC 35: SW/SW & SE/SW (80 AC); SEC 2: NW/NW, NE/NW, SE/NW, NW/NE, SW/NE, SE/NE, NW/SE, NE/SE & SE/SE (362.85 AC); SEC 1: NW/SW, SW/SW & SE/SW (120 AC) = 562.85 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 02/25/22
Signature Date

Shaw-Marie Ford
Printed Name

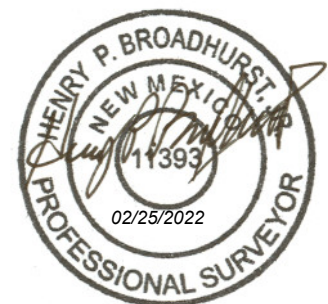
sford@djrlc.com
E-mail Address

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 316H
County & State	San Juan, NM
SDI Job No.	OP.031885
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 13,405 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
#316H**

End of Well Report



www.scientificdrilling.com

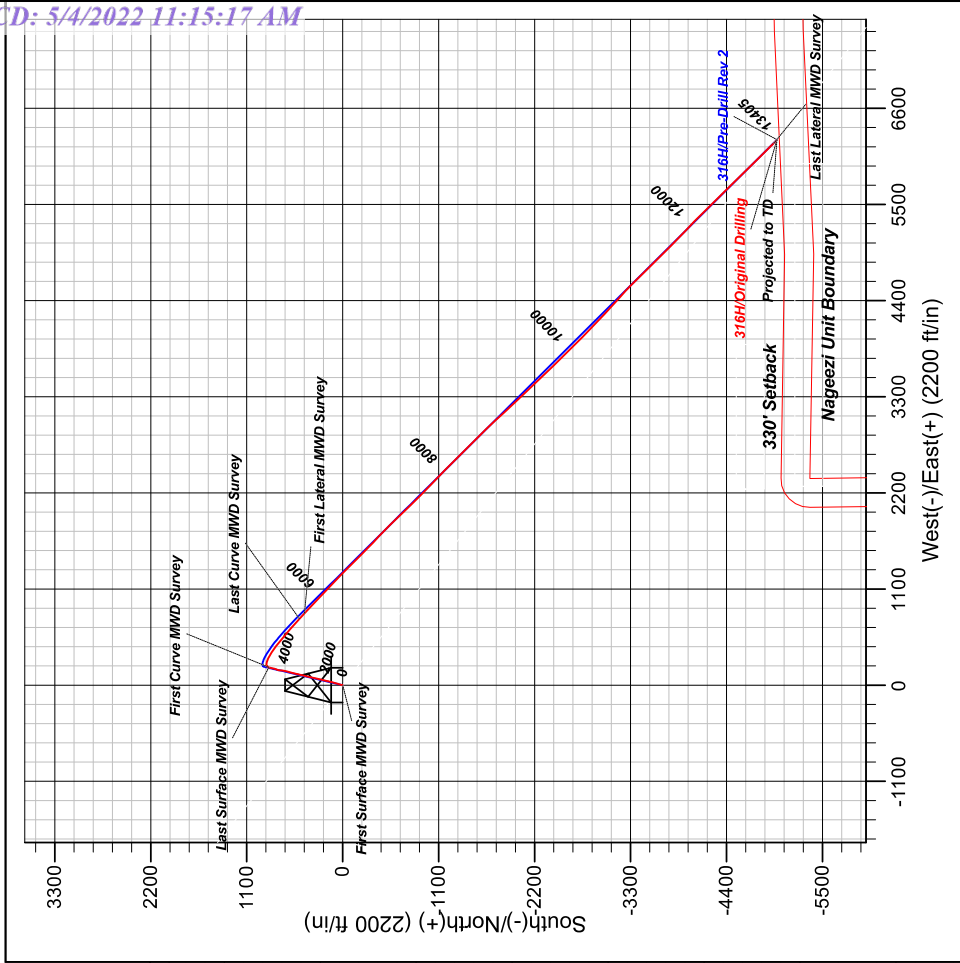
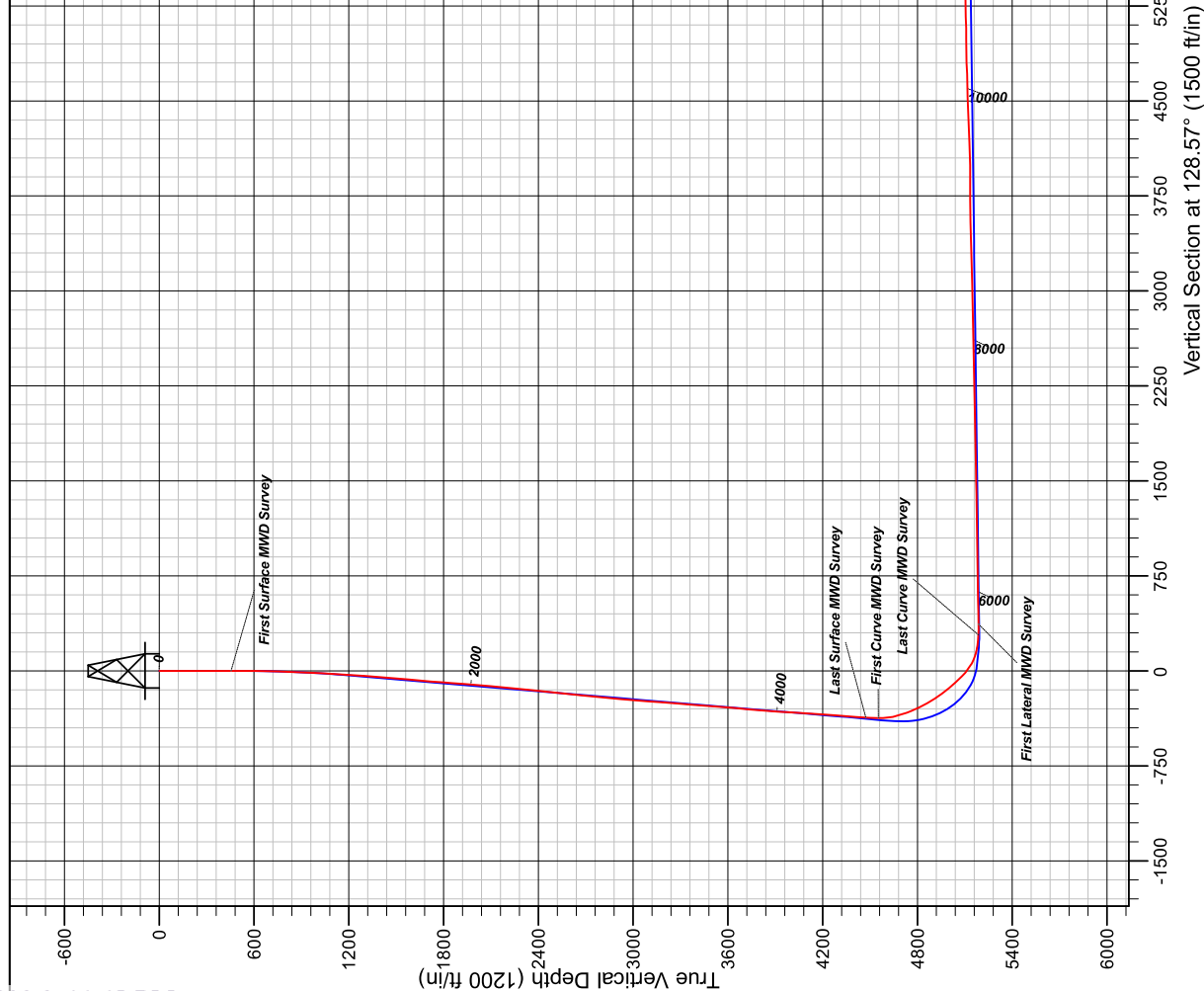


Company Name: DJR Operating
Project: Nageezi Unit
Site: M35 2409
Well: 316H
Wellbore: Original Drilling

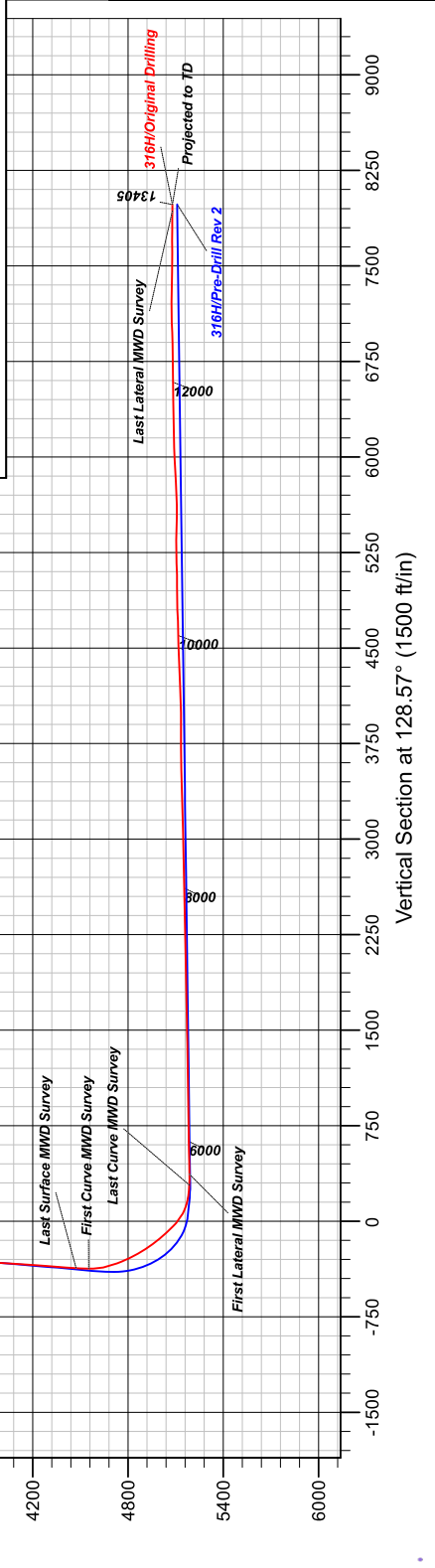


WELL DETAILS: 316H

GL 6865 & RKB 26' @ 689 ft (H&P 443) 6865			
+N/-S	+E/-W	Northing	Longitude
0	0	1915190.87	-107.76650299
4			



Design: Original Drilling (316H/Original Drilling)	PROJECT DETAILS: Nageezi Unit
Created By: Janie Collins	Date: 15:44, January 17 2022
Geodetic System: US State Plane 1983	
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

316H - Slot 4

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 316H - Slot 4
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:	316H	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	316H - Slot 4					
Well Position	+N/-S	0 ft	Northing:	1,915,190.87 usft	Latitude:	36.26342101
	+E/-W	0 ft	Easting:	2,742,793.29 usft	Longitude:	-107.76650300
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	1/12/2022	8.62	62.73	49,201.50000000

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	128.57	

Survey Program	Date	1/17/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
455	4576	Survey #1 - Surface MWD Survey (Origin	MWD+HDGM	OWSG MWD + HDGM	
4657	5657	Survey #2 - Curve MWD Survey (Original	MWD+HDGM	OWSG MWD + HDGM	
5741	13,405	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	0.40	206.47	455	-1	-1	0	0.09	0.09	0.00	
547	0.67	6.58	547	-1	-1	0	1.15	0.29	174.03	
638	3.09	15.86	638	2	0	-1	2.67	2.66	10.20	
729	4.77	12.50	729	8	1	-4	1.86	1.85	-3.69	
822	6.68	15.22	821	17	4	-8	2.07	2.05	2.92	
913	8.11	16.81	911	28	7	-12	1.59	1.57	1.75	
1006	9.06	16.42	1003	41	11	-17	1.02	1.02	-0.42	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 316H - Slot 4
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:	316H	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)	
1096	10.60	16.72	1092	56	15	-23	1.71	1.71	0.33	
1188	11.79	16.39	1182	73	20	-30	1.30	1.29	-0.36	
1279	12.58	15.43	1271	92	26	-37	0.90	0.87	-1.05	
1371	13.12	13.12	1361	111	31	-46	0.81	0.59	-2.51	
1461	14.37	14.81	1448	132	36	-54	1.46	1.39	1.88	
1553	14.66	13.87	1538	155	42	-64	0.41	0.32	-1.02	
1644	13.79	10.46	1626	176	46	-74	1.33	-0.96	-3.75	
1736	12.52	13.71	1715	197	51	-83	1.60	-1.38	3.53	
1827	12.42	15.58	1804	216	56	-91	0.46	-0.11	2.05	
1918	14.18	14.75	1893	236	61	-99	1.95	1.93	-0.91	
2012	14.81	14.22	1984	259	67	-109	0.68	0.67	-0.56	
2108	14.61	13.25	2077	283	73	-119	0.33	-0.21	-1.01	
2203	14.36	12.96	2169	306	78	-130	0.27	-0.26	-0.31	
2297	14.59	10.66	2260	329	83	-140	0.66	0.24	-2.45	
2392	15.17	9.97	2351	353	87	-152	0.64	0.61	-0.73	
2487	15.94	14.47	2443	378	93	-163	1.51	0.81	4.74	
2582	17.38	13.69	2534	404	99	-174	1.53	1.52	-0.82	
2676	17.53	14.58	2624	431	106	-186	0.33	0.16	0.95	
2723	17.95	14.17	2668	445	110	-192	0.93	0.89	-0.87	
2866	16.28	13.04	2805	486	120	-209	1.19	-1.17	-0.79	
2962	14.33	11.63	2898	511	125	-221	2.07	-2.03	-1.47	
3057	12.37	11.72	2990	532	130	-231	2.06	-2.06	0.09	
3151	12.34	13.51	3082	552	134	-239	0.41	-0.03	1.90	
3246	14.50	17.17	3174	573	140	-248	2.44	2.27	3.85	
3341	13.54	16.46	3266	595	146	-257	1.03	-1.01	-0.75	
3436	12.70	11.98	3359	616	152	-265	1.39	-0.88	-4.72	
3531	13.04	13.39	3452	637	156	-275	0.49	0.36	1.48	
3626	12.83	13.38	3544	657	161	-284	0.22	-0.22	-0.01	
3721	12.44	10.62	3637	678	166	-293	0.76	-0.41	-2.91	
3816	11.30	3.70	3730	697	168	-303	1.92	-1.20	-7.28	
3911	10.02	3.09	3823	715	169	-313	1.35	-1.35	-0.64	
4006	10.28	13.81	3917	731	172	-322	2.00	0.27	11.28	
4101	12.53	17.67	4010	749	177	-329	2.50	2.37	4.06	
4196	12.77	19.88	4103	769	184	-336	0.57	0.25	2.33	
4291	13.11	14.63	4195	789	190	-344	1.29	0.36	-5.53	
4386	12.10	13.16	4288	809	195	-352	1.12	-1.06	-1.55	
4481	11.65	13.55	4381	828	199	-361	0.48	-0.47	0.41	
4576	11.21	12.59	4474	847	204	-369	0.50	-0.46	-1.01	
4657	13.50	37.04	4553	862	211	-372	6.98	2.83	30.19	
4688	15.93	52.72	4583	867	217	-371	14.98	7.84	50.58	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 316H - Slot 4
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:	316H	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)
4752	19.92	78.76	4644	875	234	-362	13.83	6.23	40.69
4847	27.03	107.74	4731	871	271	-331	14.07	7.48	30.51
4942	32.48	120.71	4814	852	313	-286	8.85	5.74	13.65
5037	36.53	122.04	4892	824	359	-233	4.34	4.26	1.40
5132	44.74	125.06	4964	789	411	-171	8.88	8.64	3.18
5227	47.71	126.99	5030	749	466	-102	3.45	3.13	2.03
5322	52.27	129.75	5091	704	523	-30	5.29	4.80	2.91
5416	65.36	131.56	5140	652	584	50	14.02	13.93	1.93
5511	77.90	131.86	5169	592	651	140	13.20	13.20	0.32
5606	85.67	131.66	5183	529	721	234	8.18	8.18	-0.21
5657	88.56	131.89	5186	495	759	285	5.68	5.67	0.45
5741	90.54	133.45	5186	438	821	369	3.00	2.36	1.86
5836	90.74	132.92	5185	373	890	463	0.60	0.21	-0.56
5929	90.60	132.35	5184	310	959	556	0.63	-0.15	-0.61
6023	91.07	132.90	5183	247	1028	650	0.77	0.50	0.59
6117	90.34	134.44	5182	182	1096	744	1.81	-0.78	1.64
6211	91.21	135.02	5180	116	1163	837	1.11	0.93	0.62
6305	90.84	134.02	5179	50	1230	930	1.13	-0.39	-1.06
6399	90.37	133.59	5178	-15	1298	1024	0.68	-0.50	-0.46
6492	91.11	135.97	5176	-81	1364	1117	2.68	0.80	2.56
6586	90.47	134.77	5175	-148	1430	1210	1.45	-0.68	-1.28
6681	90.44	134.17	5174	-214	1497	1304	0.63	-0.03	-0.63
6775	91.31	135.14	5173	-280	1564	1398	1.39	0.93	1.03
6869	90.54	133.58	5171	-346	1631	1491	1.85	-0.82	-1.66
6964	90.07	132.84	5171	-411	1701	1586	0.92	-0.49	-0.78
7058	91.01	135.05	5170	-476	1768	1680	2.55	1.00	2.35
7153	91.11	136.31	5168	-544	1835	1774	1.33	0.11	1.33
7246	91.11	136.42	5167	-612	1899	1866	0.12	0.00	0.12
7341	90.64	135.81	5165	-680	1965	1960	0.81	-0.49	-0.64
7436	91.11	135.81	5164	-748	2031	2054	0.49	0.49	0.00
7530	91.31	135.95	5162	-816	2096	2148	0.26	0.21	0.15
7623	90.81	134.75	5160	-882	2162	2240	1.40	-0.54	-1.29
7718	91.01	134.36	5158	-948	2229	2334	0.46	0.21	-0.41
7812	91.11	134.20	5157	-1014	2297	2428	0.20	0.11	-0.17
7907	90.70	133.71	5155	-1080	2365	2522	0.67	-0.43	-0.52
8001	91.14	133.68	5154	-1145	2433	2616	0.47	0.47	-0.03
8094	90.44	135.40	5152	-1210	2499	2709	2.00	-0.75	1.85
8189	91.21	135.81	5151	-1278	2566	2803	0.92	0.81	0.43
8284	91.21	135.16	5149	-1346	2632	2897	0.68	0.00	-0.68
8377	91.24	135.07	5147	-1412	2698	2989	0.10	0.03	-0.10



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 316H - Slot 4
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:	316H	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)	
8472	91.07	134.53	5145	-1479	2765	3084	0.60	-0.18	-0.57	
8566	90.67	134.41	5144	-1544	2832	3177	0.44	-0.43	-0.13	
8661	90.44	135.79	5143	-1612	2899	3272	1.47	-0.24	1.45	
8755	91.68	136.82	5141	-1680	2964	3365	1.71	1.32	1.10	
8846	92.22	138.05	5138	-1747	3026	3455	1.48	0.59	1.35	
8937	91.04	137.70	5135	-1814	3087	3545	1.35	-1.30	-0.38	
9028	90.23	136.97	5134	-1881	3149	3634	1.20	-0.89	-0.80	
9118	90.84	137.58	5133	-1947	3210	3723	0.96	0.68	0.68	
9208	89.50	136.54	5133	-2013	3271	3812	1.88	-1.49	-1.16	
9298	89.90	136.30	5134	-2078	3333	3902	0.52	0.44	-0.27	
9389	89.63	135.52	5134	-2144	3396	3992	0.91	-0.30	-0.86	
9480	92.49	136.97	5132	-2209	3459	4082	3.52	3.14	1.59	
9572	91.91	136.16	5129	-2276	3522	4173	1.08	-0.63	-0.88	
9672	92.28	136.08	5125	-2348	3592	4272	0.38	0.37	-0.08	
9755	92.22	136.23	5122	-2408	3649	4354	0.19	-0.07	0.18	
9846	90.54	135.72	5120	-2473	3712	4444	1.93	-1.85	-0.56	
9936	91.07	135.62	5118	-2538	3775	4534	0.60	0.59	-0.11	
10,027	91.48	135.56	5116	-2603	3839	4624	0.46	0.45	-0.07	
10,117	91.75	135.40	5114	-2667	3902	4713	0.35	0.30	-0.18	
10,208	92.08	135.38	5111	-2732	3966	4804	0.36	0.36	-0.02	
10,300	89.97	133.68	5109	-2796	4031	4895	2.95	-2.29	-1.85	
10,390	90.50	133.34	5109	-2858	4097	4985	0.70	0.59	-0.38	
10,480	90.77	133.26	5108	-2920	4162	5075	0.31	0.30	-0.09	
10,571	91.14	132.96	5106	-2982	4229	5165	0.52	0.41	-0.33	
10,662	91.58	132.86	5104	-3044	4295	5256	0.50	0.48	-0.11	
10,753	88.72	132.62	5104	-3106	4362	5347	3.15	-3.14	-0.26	
10,846	88.93	132.27	5106	-3168	4431	5439	0.44	0.23	-0.38	
10,937	89.16	132.20	5107	-3230	4498	5530	0.26	0.25	-0.08	
11,026	91.11	135.69	5107	-3291	4562	5619	4.49	2.19	3.92	
11,118	91.98	135.64	5105	-3357	4626	5710	0.95	0.95	-0.05	
11,209	92.08	135.24	5101	-3422	4690	5800	0.45	0.11	-0.44	
11,301	92.41	135.27	5098	-3487	4755	5892	0.36	0.36	0.03	
11,391	93.09	135.70	5094	-3551	4818	5981	0.89	0.76	0.48	
11,482	91.27	135.46	5090	-3616	4882	6071	2.02	-2.00	-0.26	
11,571	90.91	135.15	5088	-3679	4944	6160	0.53	-0.40	-0.35	
11,663	90.30	134.46	5087	-3744	5009	6251	1.00	-0.66	-0.75	
11,754	90.20	133.93	5087	-3808	5075	6342	0.59	-0.11	-0.58	
11,845	91.04	134.79	5086	-3871	5140	6432	1.32	0.92	0.95	
11,936	90.91	134.00	5084	-3935	5205	6523	0.88	-0.14	-0.87	
12,028	90.84	133.54	5083	-3999	5271	6614	0.51	-0.08	-0.50	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 316H - Slot 4
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:	316H	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)	
12,120	90.10	135.26	5082	-4063	5337	6706	2.04	-0.80	1.87	
12,212	90.37	135.30	5082	-4128	5402	6797	0.30	0.29	0.04	
12,303	91.44	135.52	5080	-4193	5465	6887	1.20	1.18	0.24	
12,394	91.27	134.94	5078	-4258	5530	6978	0.66	-0.19	-0.64	
12,484	91.95	135.16	5076	-4321	5593	7067	0.79	0.76	0.24	
12,576	89.90	135.39	5074	-4387	5658	7159	2.24	-2.23	0.25	
12,667	90.17	135.28	5074	-4451	5722	7249	0.32	0.30	-0.12	
12,757	89.16	136.45	5075	-4516	5784	7338	1.72	-1.12	1.30	
12,847	88.49	135.22	5077	-4581	5847	7427	1.56	-0.74	-1.37	
12,938	89.53	135.60	5078	-4645	5911	7518	1.22	1.14	0.42	
13,028	90.57	136.18	5078	-4710	5974	7607	1.32	1.16	0.64	
13,120	90.20	135.95	5078	-4776	6038	7698	0.47	-0.40	-0.25	
13,210	89.33	135.12	5078	-4840	6101	7788	1.34	-0.97	-0.92	
13,300	89.50	134.56	5079	-4904	6164	7877	0.65	0.19	-0.62	
13,355	89.83	134.47	5079	-4943	6204	7932	0.62	0.60	-0.16	
13,405	89.83	134.47	5079	-4978	6239	7982	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	
316H Toe Rev 1	0.00	0.00	5109	-4978	6241	1,910,217.40	2,749,038.06	36.24974480	-107.74533530	
- hit/miss target										
- Shape										
- actual wellpath misses target center by 30ft at 13405ft MD (5079 TVD, -4978 N, 6239 E)										
- Circle (radius 100)										
316H Heel Rev 1	0.00	0.00	5191	537	764	1,915,728.34	2,743,557.26	36.26489600	-107.76391020	
- actual wellpath misses target center by 35ft at 5633ft MD (5185 TVD, 511 N, 742 E)										
- Circle (radius 50)										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
455	455	-1	-1	First Surface MWD Survey	
4576	4474	847	204	Last Surface MWD Survey	
4657	4553	862	211	First Curve MWD Survey	
5657	5186	495	759	Last Curve MWD Survey	
5741	5186	438	821	First Lateral MWD Survey	
13,355	5079	-4943	6204	Last Lateral MWD Survey	
13,405	5079	-4978	6239	Projected 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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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 103993

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 103993
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 103993

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 103993
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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