

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 30-045-38206	⁵ Pool Name Nageezi Unit; Mancos (Oil)		⁶ Pool Code 98080
⁷ Property Code 325268	⁸ Property Name Nageezi Unit		⁹ Well Number 307H

II. ¹⁰ Surface Location

Ul or lot no. B	Section 02	Township 23N	Range 09W	Lot Idn 2	Feet from the 38'	North/South Line North	Feet from the 1476'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. K	Section 27	Township 24N	Range 09W	Lot Idn	Feet from the 2263'	North/South line South	Feet from the 1924'	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 01/27/22	²² Ready Date 08/01/22	²³ TD 14,895' MD 5,076' TVD	²⁴ PBDT 14,874' MD 5,076' TVD	²⁵ Perforations 5,424'-14,818' MD 4,972'- 5,070' TVD Frac Sleeve @ 14,852'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12.25		9.625" 36# J55		356'	109
8.75		7" 26# J55		5,293'	577
6.125		4.5" 11.6# P110		TOL: 5,002' BOL: 14,890'	860

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 Approved by: <i>[Signature]</i>		
Printed name: Shaw-Marie Ford			Title: Petroleum Engineer		
Title: Regulatory Specialist			Approval Date: 08/22/22		
E-mail Address: sford@djrlc.com			RT expires on 10/30/22		
Date: 06/07/22		Phone: 505-716-3297			

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) 334-8178 Fax: (505) 334-8170

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 30-045-38206	² Pool Code 98080	³ Pool Name NAGEEZI UNIT MANCOS OIL POOL
⁴ Property Code 325268	⁵ Property Name NAGEEZI UNIT	⁶ Well Number 307H
⁷ GRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6982'

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
B	2	23N	9W	2	38'	NORTH	1476'	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
K	27	24N	9W		2263'	SOUTH	1924'	WEST	SAN JUAN

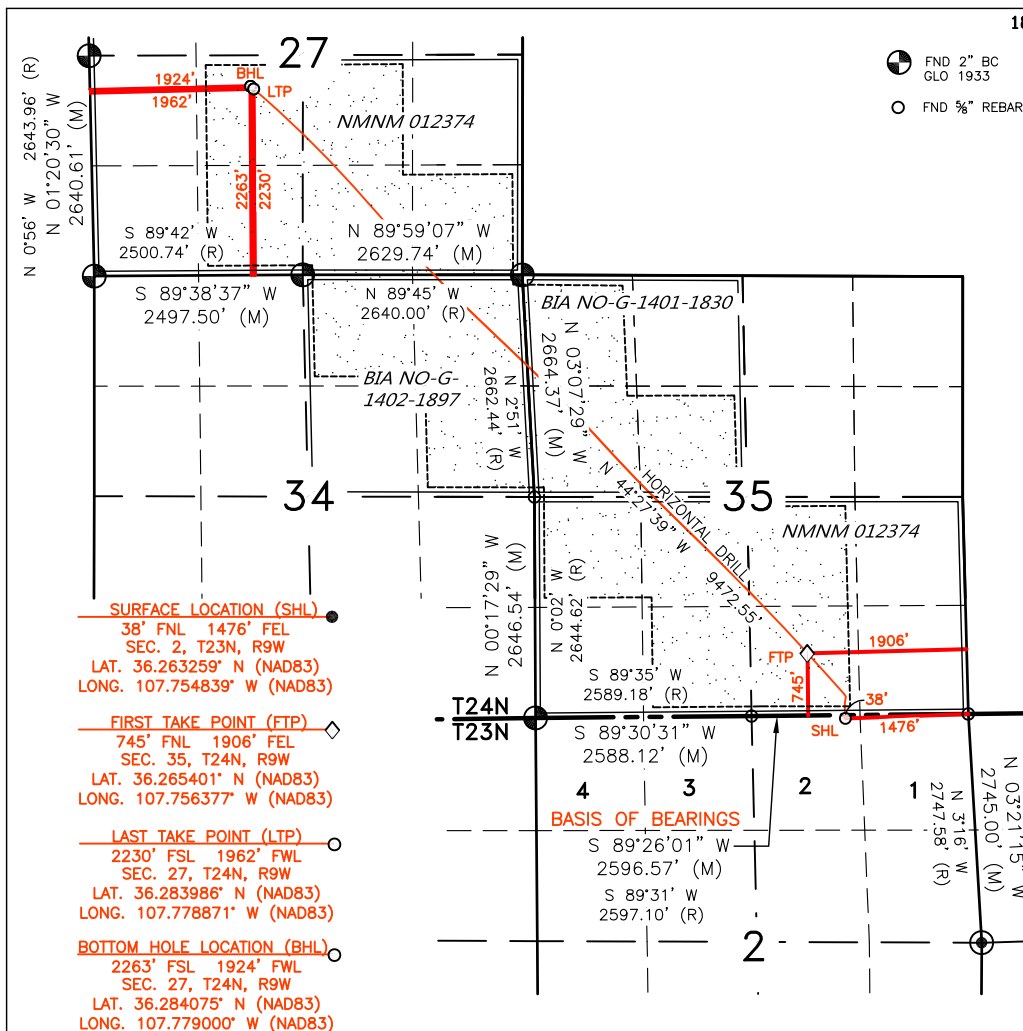
¹² Dedicated Acres PENETRATED SPACING UNIT:
SEC 35: SW/SE, NW/SE, SE/SW, NE/SW, NW/SW, SE/NW,
SW/NW & NW/NW (320 AC.); SEC 34: SE/NE, NE/NE &
NW/NE (120 AC.); SEC 27: SE/SE, SW/SE, NW/SE,
SE/SW & NE/SW (200 AC.) = 640 ACRES TOTAL

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





DJR

Nageezi Unit

B02 2309

307H

End of Well Report



www.scientificdrilling.com



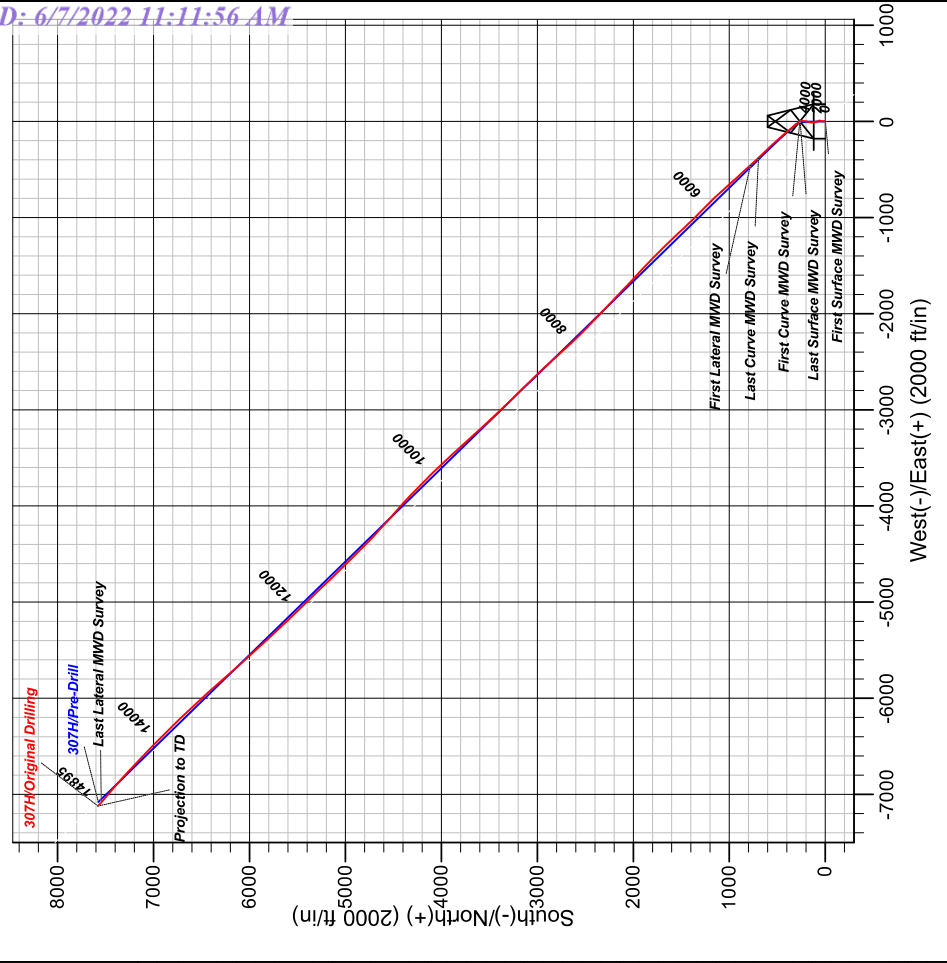
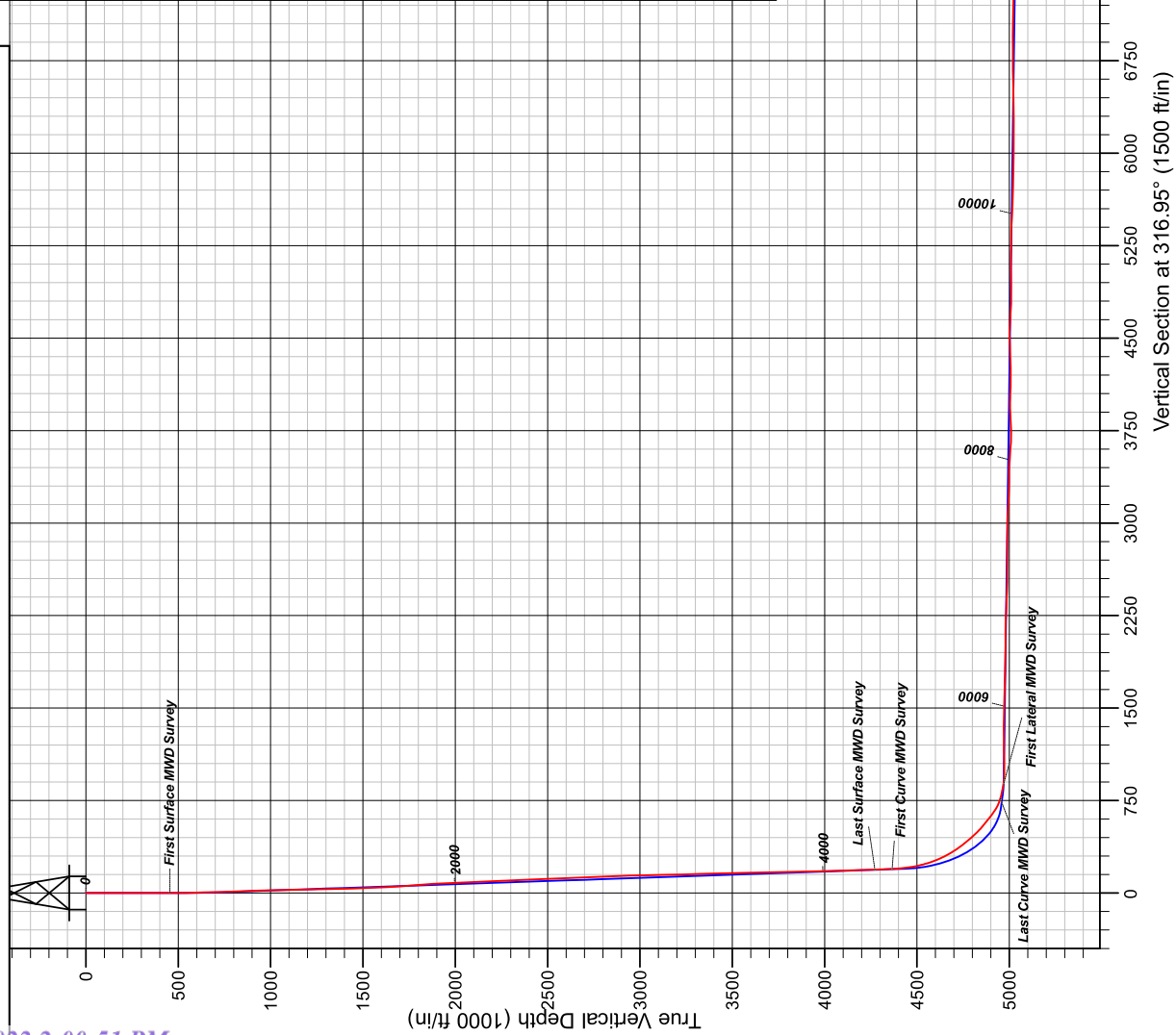


Company Name: DJR Operating
Project: Nageezi Unit
Site: B02 2309
Well: 307H
Wellbore: Original Drilling



WELL DETAILS: 307H

GL 6982 & RKB 26' @ 7008ft (H&P 443) 6982				5
+N/-S	+E/-W	Northing	Longitude	
0	0	1915134.47	-107.75483900	
		Easting	Latitude	



Design: Original Drilling (307H/Original Drilling)

Created By: Janie Collins Date: 10:13, March 07 2022

PROJECT DETAILS: Nageezi Unit

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

B02 2309

307H - Slot 5

Original Drilling

Design: Original Drilling

Standard Survey Report

07 March, 2022



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 307H - Slot 5
Project:	Nageezi Unit	TVD Reference:	GL 6982' & RKB 26' @ 7008ft (H&P 443)
Site:	B02 2309	MD Reference:	GL 6982' & RKB 26' @ 7008ft (H&P 443)
Well:	307H	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		B02 2309			
Site Position:		Northing:	1,915,079.49 usft	Latitude:	36.26310801
From:	Map	Easting:	2,746,207.76 usft	Longitude:	-107.75492101
Position Uncertainty:	0 ft	Slot Radius:	13.20 in	Grid Convergence:	0.05 °

Well	307H - Slot 5					
Well Position	+N/-S	0 ft	Northing:	1,915,134.47 usft	Latitude:	36.26325899
	+E/-W	0 ft	Easting:	2,746,231.89 usft	Longitude:	-107.75483901
Position Uncertainty		0 ft	Wellhead Elevation:	ft	Ground Level:	6982 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	2/16/2022	8.60	62.73	49,190.70000000

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	316.95	

Survey Program	Date	3/1/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
454	4282	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4376	5250	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5364	14,895	Survey #3 - Lateral MWD Survey (Original)	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	
454	0.17	143.86	454	-1	0	-1	0.04	0.04	0.00	
544	3.29	12.84	544	2	1	1	3.78	3.47	-145.58	
636	3.47	1.47	636	7	2	4	0.75	0.20	-12.36	
727	3.74	1.13	727	13	2	8	0.30	0.30	-0.37	
818	3.58	6.77	817	19	2	12	0.43	-0.18	6.20	
908	3.59	4.92	907	24	3	16	0.13	0.01	-2.06	
998	4.00	4.01	997	30	3	20	0.46	0.46	-1.01	
1090	3.97	0.22	1089	37	4	24	0.29	-0.03	-4.12	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 307H - Slot 5
Project:	Nageezi Unit	TVD Reference:	GL 6982' & RKB 26' @ 7008ft (H&P 443)
Site:	B02 2309	MD Reference:	GL 6982' & RKB 26' @ 7008ft (H&P 443)
Well:	307H	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)	
1180	3.79	10.67	1179	43	4	28	0.81	-0.20	11.61	
1271	3.83	16.20	1269	49	5	32	0.41	0.04	6.08	
1361	3.56	26.65	1359	54	8	34	0.80	-0.30	11.61	
1453	2.96	0.08	1451	59	9	37	1.75	-0.65	-28.88	
1545	2.97	346.36	1543	64	8	41	0.77	0.01	-14.91	
1635	5.83	341.88	1633	70	6	47	3.20	3.18	-4.98	
1726	6.97	334.75	1723	80	3	56	1.52	1.25	-7.84	
1816	6.72	330.99	1812	89	-2	67	0.57	-0.28	-4.18	
1908	5.11	351.94	1904	98	-6	75	2.90	-1.75	22.77	
2003	4.44	358.77	1999	106	-6	82	0.92	-0.71	7.19	
2098	5.16	359.16	2093	114	-6	87	0.76	0.76	0.41	
2193	5.25	350.50	2188	122	-7	94	0.83	0.09	-9.12	
2287	4.27	343.39	2282	130	-9	101	1.21	-1.04	-7.56	
2382	4.93	359.27	2376	137	-10	107	1.50	0.69	16.72	
2478	4.61	355.08	2472	145	-10	113	0.49	-0.33	-4.36	
2573	5.97	14.76	2567	154	-9	119	2.37	1.43	20.72	
2668	6.41	11.05	2661	164	-7	125	0.63	0.46	-3.91	
2763	6.48	12.65	2755	174	-5	131	0.20	0.07	1.68	
2858	5.98	16.41	2850	184	-2	136	0.68	-0.53	3.96	
2953	4.17	18.06	2945	192	0	140	1.91	-1.91	1.74	
3048	3.67	11.06	3039	199	2	144	0.73	-0.53	-7.37	
3142	3.42	8.83	3133	204	3	147	0.30	-0.27	-2.37	
3237	3.31	10.53	3228	210	4	151	0.16	-0.12	1.79	
3332	3.27	4.44	3323	215	4	154	0.37	-0.04	-6.41	
3427	2.73	2.71	3418	220	5	158	0.58	-0.57	-1.82	
3522	2.85	5.15	3513	225	5	161	0.18	0.13	2.57	
3617	2.75	356.49	3607	229	5	164	0.46	-0.11	-9.12	
3712	2.41	359.17	3702	234	5	167	0.38	-0.36	2.82	
3807	2.51	354.41	3797	238	5	170	0.24	0.11	-5.01	
3902	2.26	354.69	3892	242	4	174	0.26	-0.26	0.29	
3997	3.41	3.91	3987	246	4	177	1.30	1.21	9.71	
4092	3.10	1.17	4082	252	5	181	0.37	-0.33	-2.88	
4186	3.31	356.19	4176	257	5	185	0.37	0.22	-5.30	
4282	2.96	356.09	4272	262	4	189	0.36	-0.36	-0.10	
4376	4.99	321.29	4365	268	1	195	3.26	2.16	-37.02	
4457	10.53	320.95	4446	276	-5	206	6.84	6.84	-0.42	
4552	22.96	322.45	4536	298	-22	233	13.09	13.08	1.58	
4647	32.58	318.42	4620	332	-51	277	10.31	10.13	-4.24	
4742	43.97	321.14	4695	377	-88	336	12.12	11.99	2.86	
4836	50.57	320.13	4759	430	-132	404	7.07	7.02	-1.07	
4931	54.49	317.30	4816	487	-182	480	4.76	4.13	-2.98	
5026	62.38	316.36	4866	546	-237	561	8.35	8.31	-0.99	
5121	62.60	316.96	4910	607	-295	645	0.61	0.23	0.63	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 307H - Slot 5
Project:	Nageezi Unit	TVD Reference:	GL 6982' & RKB 26' @ 7008ft (H&P 443)
Site:	B02 2309	MD Reference:	GL 6982' & RKB 26' @ 7008ft (H&P 443)
Well:	307H	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)	
5216	75.15	317.78	4944	672	-355	733	13.23	13.21	0.86	
5250	79.78	318.19	4951	697	-377	767	13.67	13.62	1.21	
5364	83.71	316.83	4968	780	-453	879	3.64	3.45	-1.19	
5459	90.77	317.76	4972	849	-518	974	7.50	7.43	0.98	
5553	90.20	318.31	4972	919	-581	1068	0.84	-0.61	0.59	
5647	90.34	317.94	4971	989	-643	1162	0.42	0.15	-0.39	
5741	90.27	317.81	4971	1059	-706	1256	0.16	-0.07	-0.14	
5835	90.47	317.92	4970	1129	-769	1350	0.24	0.21	0.12	
5929	88.96	315.21	4971	1197	-834	1444	3.30	-1.61	-2.88	
6023	89.09	314.82	4972	1264	-900	1538	0.44	0.14	-0.41	
6118	87.88	313.93	4975	1330	-968	1633	1.58	-1.27	-0.94	
6212	89.90	316.12	4976	1396	-1035	1727	3.17	2.15	2.33	
6307	89.56	317.16	4977	1465	-1100	1822	1.15	-0.36	1.09	
6401	89.50	316.94	4978	1534	-1164	1916	0.24	-0.06	-0.23	
6495	90.10	316.52	4978	1603	-1228	2010	0.78	0.64	-0.45	
6590	89.23	315.55	4979	1671	-1294	2105	1.37	-0.92	-1.02	
6684	88.49	314.82	4980	1738	-1361	2199	1.11	-0.79	-0.78	
6779	88.86	314.53	4983	1805	-1428	2294	0.49	0.39	-0.31	
6873	88.29	313.36	4985	1870	-1496	2387	1.38	-0.61	-1.24	
6967	88.32	312.84	4988	1934	-1564	2481	0.55	0.03	-0.55	
7060	89.66	313.47	4989	1998	-1632	2574	1.59	1.44	0.68	
7154	90.54	312.49	4989	2062	-1701	2668	1.40	0.94	-1.04	
7248	90.10	314.64	4989	2126	-1769	2762	2.33	-0.47	2.29	
7342	89.40	312.77	4989	2191	-1837	2855	2.12	-0.74	-1.99	
7436	89.90	313.14	4990	2255	-1906	2949	0.66	0.53	0.39	
7530	89.09	314.19	4991	2320	-1974	3043	1.41	-0.86	1.12	
7624	87.85	314.18	4993	2386	-2041	3137	1.32	-1.32	-0.01	
7717	87.72	312.70	4997	2450	-2109	3230	1.60	-0.14	-1.59	
7811	89.80	315.50	4999	2515	-2176	3324	3.71	2.21	2.98	
7905	89.33	315.59	4999	2582	-2242	3417	0.51	-0.50	0.10	
8000	87.81	316.74	5002	2651	-2308	3512	2.01	-1.60	1.21	
8093	86.95	318.39	5006	2719	-2371	3605	2.00	-0.92	1.77	
8187	88.72	318.16	5010	2789	-2433	3699	1.90	1.88	-0.24	
8281	92.32	317.28	5009	2859	-2496	3793	3.94	3.83	-0.94	
8376	91.88	316.87	5005	2928	-2561	3888	0.63	-0.46	-0.43	
8470	89.43	316.96	5004	2997	-2625	3982	2.61	-2.61	0.10	
8564	88.25	315.04	5006	3065	-2690	4076	2.40	-1.26	-2.04	
8659	90.23	315.99	5007	3132	-2757	4171	2.31	2.08	1.00	
8752	90.64	315.30	5007	3199	-2822	4264	0.86	0.44	-0.74	
8845	91.14	314.73	5005	3265	-2888	4357	0.82	0.54	-0.61	
8939	91.85	316.41	5003	3332	-2954	4451	1.94	0.76	1.79	
9033	89.70	316.93	5001	3400	-3018	4545	2.35	-2.29	0.55	
9128	87.41	317.90	5004	3470	-3082	4640	2.62	-2.41	1.02	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 307H - Slot 5
Project:	Nageezi Unit	TVD Reference:	GL 6982' & RKB 26' @ 7008ft (H&P 443)
Site:	B02 2309	MD Reference:	GL 6982' & RKB 26' @ 7008ft (H&P 443)
Well:	307H	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)
9222	87.14	317.78	5008	3540	-3145	4734	0.31	-0.29	-0.13
9317	90.30	317.18	5010	3610	-3209	4829	3.39	3.33	-0.63
9410	90.47	316.30	5010	3677	-3273	4922	0.96	0.18	-0.95
9504	90.54	318.77	5009	3747	-3337	5016	2.63	0.07	2.63
9598	90.24	318.02	5008	3817	-3399	5110	0.86	-0.32	-0.80
9693	88.76	317.09	5009	3887	-3463	5205	1.84	-1.56	-0.98
9787	90.50	318.41	5010	3957	-3526	5299	2.32	1.85	1.40
9882	88.36	316.26	5011	4027	-3591	5394	3.19	-2.25	-2.26
9977	87.99	314.91	5014	4094	-3657	5488	1.47	-0.39	-1.42
10,071	88.15	314.40	5017	4160	-3724	5582	0.57	0.17	-0.54
10,162	89.23	315.09	5019	4224	-3789	5673	1.41	1.19	0.76
10,253	89.26	313.63	5020	4288	-3854	5764	1.60	0.03	-1.60
10,343	88.99	312.91	5022	4350	-3919	5854	0.85	-0.30	-0.80
10,434	90.07	313.20	5022	4412	-3986	5945	1.23	1.19	0.32
10,525	89.13	310.83	5023	4473	-4053	6035	2.80	-1.03	-2.60
10,615	89.73	311.75	5024	4532	-4121	6125	1.22	0.67	1.02
10,706	89.93	312.47	5024	4593	-4188	6216	0.82	0.22	0.79
10,797	89.90	311.82	5024	4654	-4256	6306	0.72	-0.03	-0.71
10,888	91.01	313.40	5024	4716	-4323	6397	2.12	1.22	1.74
10,979	91.88	316.04	5021	4780	-4388	6488	3.05	0.96	2.90
11,070	90.24	315.42	5020	4845	-4451	6579	1.93	-1.80	-0.68
11,161	90.64	314.51	5019	4909	-4515	6670	1.09	0.44	-1.00
11,251	89.40	314.34	5019	4972	-4580	6760	1.39	-1.38	-0.19
11,342	90.10	314.78	5019	5036	-4645	6851	0.91	0.77	0.48
11,432	89.06	316.10	5020	5100	-4708	6941	1.87	-1.16	1.47
11,524	90.30	317.63	5020	5167	-4771	7033	2.14	1.35	1.66
11,615	90.23	317.05	5020	5234	-4832	7124	0.64	-0.08	-0.64
11,705	88.12	314.61	5021	5299	-4895	7214	3.58	-2.34	-2.71
11,797	88.05	316.15	5024	5364	-4959	7306	1.67	-0.08	1.67
11,888	89.70	316.89	5026	5430	-5022	7396	1.99	1.81	0.81
11,979	90.47	315.90	5026	5496	-5085	7487	1.38	0.85	-1.09
12,070	90.40	314.78	5025	5561	-5149	7578	1.23	-0.08	-1.23
12,160	90.03	316.23	5025	5625	-5212	7668	1.66	-0.41	1.61
12,251	91.64	316.61	5024	5691	-5275	7759	1.82	1.77	0.42
12,341	89.76	317.79	5023	5757	-5336	7849	2.47	-2.09	1.31
12,433	88.32	318.54	5024	5826	-5397	7941	1.76	-1.57	0.82
12,524	88.22	318.00	5027	5893	-5458	8032	0.60	-0.11	-0.59
12,614	88.52	317.80	5029	5960	-5518	8122	0.40	0.33	-0.22
12,704	88.73	317.30	5032	6027	-5579	8212	0.60	0.23	-0.56
12,795	89.33	317.28	5033	6093	-5640	8303	0.66	0.66	-0.02
12,885	90.00	318.71	5034	6160	-5701	8393	1.75	0.74	1.59
12,976	87.85	319.04	5035	6229	-5760	8484	2.39	-2.36	0.36
13,067	88.25	318.99	5038	6298	-5820	8575	0.44	0.44	-0.05
13,158	88.15	318.22	5041	6366	-5880	8666	0.85	-0.11	-0.85



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 307H - Slot 5
Project:	Nageezi Unit	TVD Reference:	GL 6982' & RKB 26' @ 7008ft (H&P 443)
Site:	B02 2309	MD Reference:	GL 6982' & RKB 26' @ 7008ft (H&P 443)
Well:	307H	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)	
13,248	87.45	317.47	5045	6432	-5941	8756	1.14	-0.78	-0.83	
13,338	88.56	317.15	5048	6499	-6002	8846	1.28	1.23	-0.36	
13,429	89.40	317.59	5049	6565	-6063	8937	1.04	0.92	0.48	
13,521	90.57	317.48	5049	6633	-6125	9029	1.28	1.27	-0.12	
13,611	89.03	316.11	5050	6699	-6187	9119	2.29	-1.71	-1.52	
13,702	90.13	316.48	5050	6765	-6250	9210	1.28	1.21	0.41	
13,792	88.82	314.76	5051	6829	-6313	9300	2.40	-1.46	-1.91	
13,882	89.29	314.68	5053	6892	-6377	9390	0.53	0.52	-0.09	
13,973	89.40	314.17	5054	6956	-6442	9481	0.57	0.12	-0.56	
14,065	90.44	314.22	5054	7020	-6508	9572	1.13	1.13	0.05	
14,157	90.84	314.25	5053	7084	-6574	9664	0.44	0.43	0.03	
14,247	90.44	314.00	5052	7147	-6638	9754	0.52	-0.44	-0.28	
14,347	89.43	313.23	5052	7216	-6711	9854	1.27	-1.01	-0.77	
14,438	88.76	312.86	5053	7278	-6777	9945	0.84	-0.74	-0.41	
14,527	87.75	311.74	5056	7338	-6843	10,033	1.69	-1.13	-1.26	
14,618	87.21	311.07	5060	7398	-6911	10,124	0.95	-0.59	-0.74	
14,709	87.08	310.93	5065	7458	-6980	10,214	0.21	-0.14	-0.15	
14,800	86.51	310.50	5070	7517	-7048	10,305	0.78	-0.63	-0.47	
14,845	86.17	310.21	5073	7546	-7083	10,349	0.99	-0.76	-0.64	
14,895	86.17	310.21	5076	7578	-7121	10,399	0.00	0.00	0.00	

Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
307H 85° Casing - actual wellpath misses target center by 24ft at 5184ft MD (4935 TVD, 649 N, -334 E) - Point	0.00	0.00	4955	637	-336	1,915,770.90	2,745,895.13	36.26500806	-107.75597962	
307H Heel Rev 1 - actual wellpath misses target center by 14ft at 5403ft MD (4971 TVD, 808 N, -480 E) - Circle (radius 50)	0.00	0.00	4970	798	-490	1,915,932.42	2,745,740.97	36.26545210	-107.75650210	
307H Toe Rev 1 - actual wellpath misses target center by 35ft at 14845ft MD (5073 TVD, 7546 N, -7083 E) - Circle (radius 100)	0.00	0.00	5058	7577	-7079	1,922,706.09	2,739,146.62	36.28407210	-107.77885860	



Scientific Drilling
Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well 307H - Slot 5
Project:	Nageezi Unit	TVD Reference:	GL 6982' & RKB 26' @ 7008ft (H&P 443)
Site:	B02 2309	MD Reference:	GL 6982' & RKB 26' @ 7008ft (H&P 443)
Well:	307H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
454	454	-1	0	First Surface MWD Survey
4282	4272	262	4	Last Surface MWD Survey
4376	4365	268	1	First Curve MWD Survey
5250	4951	697	-377	Last Curve MWD Survey
5364	4968	780	-453	First Lateral MWD Survey
14,845	5073	7546	-7083	Last Lateral MWD Survey
14,895	5076	7578	-7121	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 B02 2309 307H
County & State	San Juan, NM
SDI Job No.	OP.032829
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 454 feet to a measured depth of 14,895 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

7-Mar-22

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 114471

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 114471
	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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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 114471

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 114471
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CONDITIONS

Created By	Condition	Condition Date
llowe	RT expires on 10/30/22	8/22/2022