

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 30-045-38230	⁵ Pool Name Nageezi Unit; Mancos (Oil)		⁶ Pool Code 98080
⁷ Property Code 325268	⁸ Property Name Nageezi Unit		⁹ Well Number 602H

II. ¹⁰ Surface Location

Ul or lot no. P	Section 09	Township 23N	Range 09W	Lot Idn	Feet from the 1257'	North/South Line South	Feet from the 791'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. G	Section 05	Township 23N	Range 09W	Lot Idn	Feet from the 2019'	North/South line North	Feet from the 2118'	East/West line East	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 09/22/21	²² Ready Date 03/08/22	²³ TD 14,455' MD 4,528' TVD	²⁴ PBTD 14,436' MD 4,528' TVD	²⁵ Perforations 5,011'-14,382' MD 4,442'- 4,527' TVD Frac Sleeve @ 14,411'	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		4,779'	575
6.125		4.5" 11.6# P110		TOL: 4,542' BOL: 14,450'	836

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>PATRICIA MARTINEZ</i>		
Printed name: Shaw-Marie Ford			Title: <i>PETROLEUM SPECIALIST</i>		
Title: Regulatory Specialist			Approval Date: <i>3/4/2022</i>		
E-mail Address: sford@djrlle.com			<i>RT EXPIRES 6/4/2022</i>		
Date: 02/10/22		Phone: 505-716-3297			

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

☒ AS-DRILLED
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38230	² Pool Code 98080	³ Pool Name NAGEEZI UNIT MANCOS OIL POOL
⁴ Property Code 325268	⁵ Property Name NAGEEZI UNIT	⁶ Well Number 602H
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		1257'	SOUTH	791'	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
G	5	23N	9W		2019'	NORTH	2118'	EAST	SAN JUAN

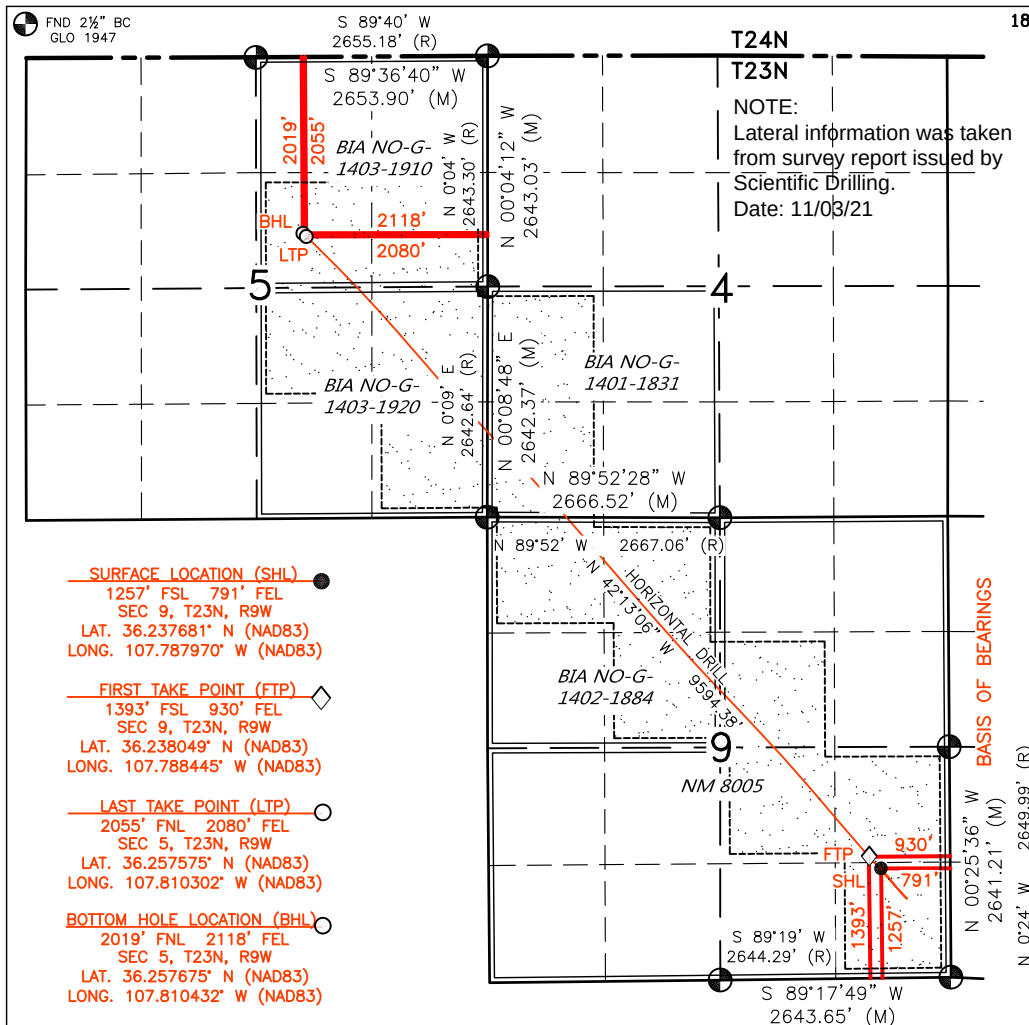
¹² Dedicated Acres
PENETRATED SPACING UNIT;
SEC 9: SE/SE, NE/SE, NW/SE, SW/NE, SE/NW,
NE/NW & NW/NW (280 AC.); SEC 4: SW/SW &
NW/SW (80 AC.); SEC 5: SE/SE, NE/SE, NW/SE,
SE/NE & SW/NE (200 AC.) = 560 ACRES

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

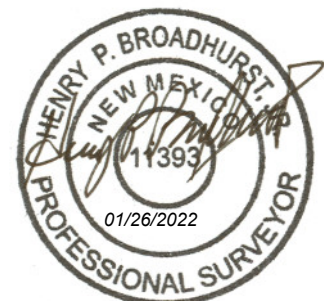
SURVEYOR CERTIFICATION

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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State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

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

☒ AS-DRILLED
☐ AMENDED REPORT

NAGEEZI UNIT #602H

PPP-1 (FIRST TAKE POINT) NM 8005
1393' FSL, 930' FEL

LOCATED IN THE NE/SE OF SECTION 9,
T23N, R9W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
LATITUDE: 36.238049°N LONGITUDE: 107.788445°W

PPP-2 BIA NO-G-1402-1884
1975' FNL, 2664' FWL

LOCATED IN THE SE/NW OF SECTION 9,
T23N, R9W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
LATITUDE: 36.243295°N LONGITUDE: 107.794226°W

PPP-3 BIA NO-G-1401-1831
1' FSL, 911' FWL

LOCATED IN THE SW/SW OF SECTION 4,
T23N, R9W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
LATITUDE: 36.248733°N LONGITUDE: 107.800183°W

PPP-4 BIA NO-G-1403-1920
981' FSL, 1' FEL

LOCATED IN THE SE/SE OF SECTION 5,
T23N, R9W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
LATITUDE: 36.251434°N LONGITUDE: 107.803262°W

PPP-5 BIA NO-G-1403-1910
2643' FNL, 1498' FEL

LOCATED IN THE SW/NE OF SECTION 5,
T23N, R9W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
LATITUDE: 36.255971°N LONGITUDE: 107.808327°W

PPP-6 (LAST TAKE POINT) BIA NO-G-1403-1910
2019' FNL, 2118' FEL

LOCATED IN THE SW/NE OF SECTION 5,
T23N, R9W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
LATITUDE: 36.257675°N LONGITUDE: 107.810432°W



DJR Operating

Nageezi Unit

P09 2309

602H - Slot 4

Original Drilling

Design: Original Drilling

Standard Survey Report

03 November, 2021



www.scientificdrilling.com



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 602H - Slot 4
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:	# 602H	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	# 602H - Slot 4					
Well Position	+N/-S	0 ft	Northing:	1,905,817.25 usft	Latitude:	36.23768100
	+E/-W	0 ft	Easting:	2,736,469.19 usft	Longitude:	-107.78797000
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	10/23/2021	8.65	62.72	49,205.20000000

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	317.76	

Survey Program	Date	11/2/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
449	3703	Survey #1 - Surface MWD Survey (Origin	MWD+HDGM	OWSG MWD + HDGM	
3798	4741	Survey #2 - Curve MWD Survey (Original	MWD+HDGM	OWSG MWD + HDGM	
4799	14,455	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	
449	1.02	225.90	449	-3	-3	0	0.23	0.23	0.00	
540	2.57	168.95	540	-5	-3	-2	2.40	1.70	-62.58	
632	3.60	155.38	632	-10	-1	-6	1.36	1.12	-14.75	
724	5.71	151.00	723	-17	2	-14	2.32	2.29	-4.76	
816	7.06	137.03	815	-25	8	-24	2.23	1.47	-15.18	
909	6.61	137.09	907	-33	16	-35	0.48	-0.48	0.06	
1002	7.96	143.76	1000	-42	23	-47	1.71	1.45	7.17	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 602H - Slot 4
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:	# 602H	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	7.22	143.60	1090	-52	30	-59	0.81	-0.81	-0.18	
1185	8.68	135.66	1181	-61	38	-71	1.98	1.59	-8.63	
1275	8.85	134.55	1270	-71	48	-85	0.27	0.19	-1.23	
1367	7.74	130.25	1361	-80	58	-98	1.38	-1.21	-4.67	
1460	7.15	122.33	1453	-87	68	-110	1.27	-0.63	-8.52	
1549	8.41	137.32	1541	-95	77	-122	2.67	1.42	16.84	
1642	8.59	135.79	1633	-105	86	-135	0.31	0.19	-1.65	
1735	8.33	135.82	1725	-115	96	-149	0.28	-0.28	0.03	
1826	8.01	135.24	1815	-124	105	-162	0.36	-0.35	-0.64	
1918	7.47	130.56	1906	-132	114	-174	0.90	-0.59	-5.09	
2008	10.25	144.99	1995	-143	123	-188	3.93	3.09	16.03	
2103	10.51	148.02	2089	-157	132	-205	0.64	0.27	3.19	
2198	10.71	147.85	2182	-172	142	-222	0.21	0.21	-0.18	
2293	11.21	147.46	2275	-187	151	-240	0.53	0.53	-0.41	
2388	12.34	143.61	2368	-203	162	-259	1.45	1.19	-4.05	
2483	13.17	144.83	2461	-220	174	-280	0.92	0.87	1.28	
2578	10.37	134.02	2554	-235	187	-299	3.74	-2.95	-11.38	
2672	8.32	136.13	2647	-246	198	-315	2.21	-2.18	2.24	
2768	7.92	132.61	2742	-255	207	-328	0.66	-0.42	-3.67	
2862	7.22	134.49	2835	-264	216	-341	0.79	-0.74	2.00	
2957	8.25	132.43	2929	-272	226	-353	1.12	1.08	-2.17	
3052	7.67	132.28	3023	-281	235	-366	0.61	-0.61	-0.16	
3147	9.38	137.53	3117	-291	245	-380	1.98	1.80	5.53	
3242	8.50	139.50	3211	-302	255	-395	0.98	-0.93	2.07	
3337	8.54	140.14	3305	-313	264	-409	0.11	0.04	0.67	
3432	8.56	134.56	3399	-323	274	-423	0.87	0.02	-5.87	
3527	7.10	140.12	3493	-333	282	-436	1.73	-1.54	5.85	
3622	5.61	129.13	3588	-340	290	-447	2.02	-1.57	-11.57	
3703	5.70	133.10	3668	-346	296	-455	0.50	0.11	4.90	
3798	6.45	306.92	3763	-346	295	-454	12.77	0.79	182.97	
3894	17.02	317.05	3857	-332	281	-435	11.18	11.01	10.55	
3988	22.81	313.93	3945	-309	259	-403	6.26	6.16	-3.32	
4083	28.70	314.48	4031	-280	229	-362	6.21	6.20	0.58	
4179	35.59	318.55	4112	-243	194	-311	7.52	7.18	4.24	
4274	41.42	318.45	4186	-199	155	-251	6.14	6.14	-0.11	
4369	47.25	318.70	4254	-149	111	-185	6.14	6.14	0.26	
4464	50.92	319.63	4316	-95	64	-113	3.93	3.86	0.98	
4559	62.07	319.15	4369	-35	12	-34	11.74	11.74	-0.51	
4654	68.36	318.42	4409	30	-44	52	6.66	6.62	-0.77	
4741	82.22	317.85	4431	92	-100	136	15.94	15.93	-0.66	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 602H - Slot 4
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:	# 602H	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)	
4799	85.83	314.81	4437	134	-140	193	8.12	6.22	-5.24	
4893	88.72	314.10	4441	200	-207	287	3.17	3.07	-0.76	
4987	89.63	314.91	4442	266	-274	381	1.30	0.97	0.86	
5080	90.10	318.87	4443	334	-338	474	4.29	0.51	4.26	
5175	89.16	317.02	4443	404	-401	569	2.18	-0.99	-1.95	
5269	90.97	320.63	4443	475	-463	663	4.30	1.93	3.84	
5363	89.80	320.36	4443	547	-523	757	1.28	-1.24	-0.29	
5457	88.36	319.41	4444	619	-584	851	1.84	-1.53	-1.01	
5551	89.90	319.86	4445	691	-644	945	1.71	1.64	0.48	
5645	90.13	319.42	4445	763	-705	1039	0.53	0.24	-0.47	
5740	89.40	319.12	4446	834	-767	1134	0.83	-0.77	-0.32	
5834	89.53	319.93	4447	906	-828	1228	0.87	0.14	0.86	
5928	89.87	320.35	4447	978	-889	1322	0.57	0.36	0.45	
6023	88.89	319.71	4448	1051	-950	1416	1.23	-1.03	-0.67	
6117	89.66	320.53	4449	1123	-1010	1510	1.20	0.82	0.87	
6212	89.30	320.80	4450	1197	-1070	1605	0.47	-0.38	0.28	
6306	89.13	321.41	4452	1270	-1129	1699	0.67	-0.18	0.65	
6400	89.19	320.14	4453	1343	-1189	1793	1.35	0.06	-1.35	
6493	89.66	319.55	4454	1414	-1249	1886	0.81	0.51	-0.63	
6588	89.40	319.87	4455	1486	-1310	1981	0.43	-0.27	0.34	
6682	89.33	319.26	4456	1558	-1371	2075	0.65	-0.07	-0.65	
6775	89.23	318.67	4457	1628	-1432	2168	0.64	-0.11	-0.63	
6869	89.60	319.92	4458	1699	-1493	2262	1.39	0.39	1.33	
6964	89.09	319.17	4459	1771	-1555	2357	0.95	-0.54	-0.79	
7058	87.52	315.83	4462	1841	-1618	2451	3.92	-1.67	-3.55	
7152	89.50	312.34	4464	1906	-1686	2544	4.27	2.11	-3.71	
7246	91.68	312.50	4463	1969	-1755	2638	2.33	2.32	0.17	
7340	91.98	313.45	4460	2033	-1824	2732	1.06	0.32	1.01	
7434	91.11	315.73	4458	2099	-1891	2825	2.60	-0.93	2.43	
7528	89.60	314.85	4457	2166	-1957	2919	1.86	-1.61	-0.94	
7622	90.54	317.00	4457	2234	-2022	3013	2.50	1.00	2.29	
7716	88.39	315.35	4458	2301	-2087	3107	2.88	-2.29	-1.76	
7810	90.87	320.88	4458	2371	-2150	3201	6.45	2.64	5.88	
7905	89.70	319.32	4458	2444	-2211	3296	2.05	-1.23	-1.64	
7999	89.33	319.44	4459	2516	-2272	3390	0.41	-0.39	0.13	
8093	89.33	320.66	4460	2588	-2333	3484	1.30	0.00	1.30	
8187	89.23	320.12	4461	2660	-2393	3578	0.58	-0.11	-0.57	
8281	89.09	320.80	4462	2733	-2452	3672	0.74	-0.15	0.72	
8375	88.99	321.03	4464	2806	-2512	3765	0.27	-0.11	0.24	
8470	88.39	317.76	4466	2878	-2574	3860	3.50	-0.63	-3.44	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 602H - Slot 4
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:	# 602H	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)
8564	88.46	317.60	4469	2947	-2637	3954	0.19	0.07	-0.17
8658	87.82	315.00	4472	3015	-2702	4048	2.85	-0.68	-2.77
8753	88.49	315.82	4475	3083	-2768	4143	1.11	0.71	0.86
8846	89.77	317.96	4476	3151	-2832	4236	2.68	1.38	2.30
8941	87.99	316.57	4478	3220	-2896	4331	2.38	-1.87	-1.46
9035	90.60	318.63	4479	3290	-2960	4425	3.54	2.78	2.19
9129	88.19	315.53	4480	3358	-3024	4519	4.18	-2.56	-3.30
9223	90.34	319.04	4481	3428	-3087	4613	4.38	2.29	3.73
9318	89.19	318.27	4482	3499	-3150	4708	1.46	-1.21	-0.81
9412	90.60	318.85	4482	3569	-3212	4802	1.62	1.50	0.62
9507	90.23	317.79	4481	3640	-3276	4897	1.18	-0.39	-1.12
9600	88.73	316.78	4482	3709	-3339	4990	1.94	-1.61	-1.09
9695	89.63	317.58	4484	3778	-3403	5085	1.27	0.95	0.84
9789	89.46	317.86	4484	3848	-3466	5179	0.35	-0.18	0.30
9883	89.60	318.45	4485	3918	-3529	5273	0.65	0.15	0.63
9978	89.80	319.42	4486	3989	-3592	5368	1.04	0.21	1.02
10,072	89.83	320.34	4486	4061	-3652	5462	0.98	0.03	0.98
10,166	89.19	321.10	4487	4134	-3712	5556	1.06	-0.68	0.81
10,261	89.09	321.37	4488	4208	-3771	5651	0.30	-0.11	0.28
10,353	88.39	319.93	4490	4279	-3829	5742	1.74	-0.76	-1.57
10,445	88.39	317.94	4493	4349	-3890	5834	2.16	0.00	-2.16
10,537	87.52	318.25	4496	4417	-3951	5926	1.00	-0.95	0.34
10,629	87.08	317.83	4500	4485	-4013	6018	0.66	-0.48	-0.46
10,721	88.76	317.24	4504	4553	-4075	6110	1.94	1.83	-0.64
10,812	90.03	316.83	4505	4620	-4137	6201	1.47	1.40	-0.45
10,904	90.13	317.39	4504	4687	-4199	6293	0.62	0.11	0.61
10,996	89.03	316.82	4505	4755	-4262	6385	1.35	-1.20	-0.62
11,088	88.89	316.68	4507	4822	-4325	6477	0.22	-0.15	-0.15
11,179	90.74	317.50	4507	4888	-4387	6568	2.22	2.03	0.90
11,271	89.29	316.87	4507	4956	-4450	6660	1.72	-1.58	-0.68
11,363	88.72	315.86	4509	5022	-4513	6752	1.26	-0.62	-1.10
11,455	89.06	317.01	4510	5089	-4576	6844	1.30	0.37	1.25
11,547	92.25	317.32	4509	5156	-4639	6936	3.48	3.47	0.34
11,639	91.24	316.04	4507	5223	-4702	7028	1.77	-1.10	-1.39
11,731	90.20	315.62	4505	5289	-4766	7120	1.22	-1.13	-0.46
11,824	90.03	315.48	4505	5356	-4831	7213	0.24	-0.18	-0.15
11,916	89.60	316.07	4506	5422	-4895	7305	0.79	-0.47	0.64
12,007	88.62	315.57	4507	5487	-4959	7396	1.21	-1.08	-0.55
12,099	89.16	316.55	4509	5553	-5023	7488	1.22	0.59	1.07
12,191	88.69	316.66	4510	5620	-5086	7580	0.52	-0.51	0.12



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 602H - Slot 4
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:	# 602H	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)	
12,284	88.79	316.66	4513	5688	-5150	7672	0.11	0.11	0.00	
12,375	89.23	316.94	4514	5754	-5212	7763	0.57	0.48	0.31	
12,467	89.60	318.02	4515	5822	-5274	7855	1.24	0.40	1.17	
12,559	90.07	319.12	4515	5891	-5335	7947	1.30	0.51	1.20	
12,651	90.44	320.16	4515	5961	-5395	8039	1.20	0.40	1.13	
12,744	89.03	319.64	4515	6032	-5454	8132	1.62	-1.52	-0.56	
12,836	88.52	319.78	4517	6102	-5514	8224	0.57	-0.55	0.15	
12,928	88.79	319.37	4519	6172	-5574	8316	0.53	0.29	-0.45	
13,020	89.73	319.60	4521	6242	-5633	8408	1.05	1.02	0.25	
13,114	90.07	319.63	4521	6314	-5694	8502	0.36	0.36	0.03	
13,206	89.66	318.55	4521	6383	-5754	8594	1.26	-0.45	-1.17	
13,297	88.82	319.03	4522	6452	-5814	8685	1.06	-0.92	0.53	
13,390	91.28	322.01	4522	6523	-5874	8778	4.15	2.65	3.20	
13,482	90.17	320.07	4521	6595	-5931	8870	2.43	-1.21	-2.11	
13,574	89.16	317.02	4522	6664	-5992	8962	3.49	-1.10	-3.32	
13,666	88.46	316.95	4523	6731	-6055	9054	0.76	-0.76	-0.08	
13,758	88.89	315.75	4526	6798	-6119	9146	1.39	0.47	-1.30	
13,850	90.44	315.36	4526	6863	-6183	9238	1.74	1.68	-0.42	
13,943	89.50	312.51	4526	6928	-6250	9330	3.23	-1.01	-3.06	
14,035	89.60	312.81	4527	6990	-6318	9422	0.34	0.11	0.33	
14,128	89.43	312.39	4528	7053	-6386	9515	0.49	-0.18	-0.45	
14,220	90.13	313.48	4528	7116	-6453	9606	1.41	0.76	1.18	
14,312	90.54	314.86	4527	7180	-6519	9698	1.56	0.45	1.50	
14,402	89.09	313.54	4528	7243	-6584	9788	2.18	-1.61	-1.47	
14,455	89.09	313.54	4529	7279	-6622	9841	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	
602H 85° Casing Rev 1	0.00	0.00	4436	85	-73	1,905,901.96	2,736,396.42	36.23791380	-107.78821663	
- actual wellpath misses target center by 18ft at 4719ft MD (4427 TVD, 76 N, -86 E)										
- Point										
602H Heel Rev 1	0.00	0.00	4451	265	-236	1,906,081.73	2,736,233.00	36.23840784	-107.78877050	
- actual wellpath misses target center by 28ft at 4959ft MD (4442 TVD, 246 N, -254 E)										
- Circle (radius 50)										
602H Toe Rev 1	0.00	0.00	4516	7220	-6555	1,913,034.27	2,729,910.66	36.25751310	-107.81020420	
- actual wellpath misses target center by 12ft at 14366ft MD (4527 TVD, 7217 N, -6558 E)										
- Circle (radius 100)										



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 602H - Slot 4
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:	# 602H	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)		
449	449	-3	-3	First Surface MWD Survey	
3703	3668	-346	296	Last Surface MWD Survey	
3798	3763	-346	295	First Curve MWD Survey	
4741	4431	92	-100	Last Curve MWD Survey	
4799	4437	134	-140	First Lateral MWD Survey	
14,402	4528	7243	-6584	Last Lateral MWD Survey	
14,455	4529	7279	-6622	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 602H
County & State	San Juan, NM
SDI Job No.	OP.031200
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 449 feet to a measured depth of 14,455 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

3-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 80515

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 80515
	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
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Santa Fe, NM 87505

CONDITIONS

Action 80515

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 80515
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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