

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 NW
⁴ API Number 30-045-38236	⁵ Pool Name Betonnies Tsoie Wash; Mancos (Oil)	⁶ Pool Code 98175
⁷ Property Code 325179	⁸ Property Name Betonnies Tsoie Wash Unit	⁹ Well Number 213H

II. 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
A	35	23N	08W		663'	North	835'	East	San Juan

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	26	23N	08W		524'	North	1358'	West	San Juan
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 03/01/23	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

IV. Well Completion Data

²¹ Spud Date 01/04/22	²² Ready Date 02/04/23	²³ TD 11,040' MD 5,131' TVD	²⁴ PBTD 10,991' MD 5,131' TVD	²⁵ Perforations 6,174' - 10,941' MD 5,121' - 5,165' TVD FracSleeve @ 10,969'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12.25"	9.625" 36# J55	355'	109		
8.75"	7" 26# J55	5,292'	580		
6.125"	4.5" 11.6# P110	TOL: 5,110' BOL: 11,005'	653		
	2.875" 6.5# L80 Tubing	5,723'			

V. Well Test Data

³¹ Date New Oil 02/06/23	³² Gas Delivery Date 03/01/2023	³³ Test Date 02/08/2023	³⁴ Test Length 24	³⁵ Tbg. Pressure 595	³⁶ Csg. Pressure 979
³⁷ Choke Size 36/64	³⁸ Oil 571	³⁹ Water 773	⁴⁰ Gas 2523		⁴¹ Test Method F

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>8/7/2023</i>
E-mail Address: sford@djrlc.com	
Date: 04/23/2023	Phone: 505-716-3297

DISTRICT I1625 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) 476-3462State of New Mexico
Energy, Minerals & Natural Resources DepartmentForm C-102
Revised August 1, 2011OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505Submit one copy to appropriate
District Office☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38236	² Pool Code 98175	³ Pool Name BETONNIE TSOSIE WASH UNIT MANCOS OIL POOL
⁴ Property Code 325179	⁵ Property Name BETONNIE TSOSIE WASH UNIT	⁶ Well Number 213H
⁷ GRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6974'

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
A	35	23N	8W		663'	NORTH	835'	EAST	SAN JUAN

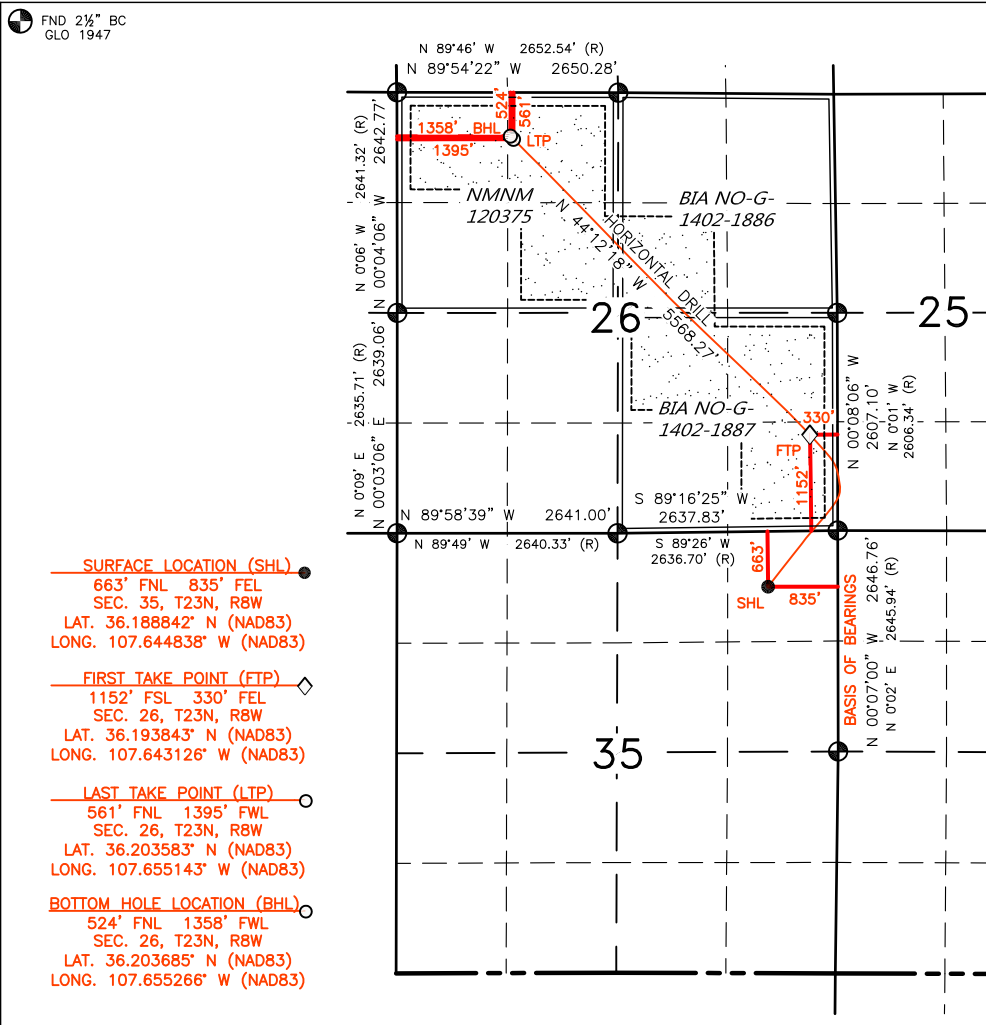
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	26	23N	8W		524'	NORTH	1358'	WEST	SAN JUAN

¹² Dedicated Acres SEC 26: SE/SE, NE/SE, NW/SE, SE/NW, NE/NW & NW/NW (320 AC.) = 280 ACRES TOTAL	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13930 R-13930A
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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 01/26/23
Signature Date

Shaw-Marie Ford
Printed Name

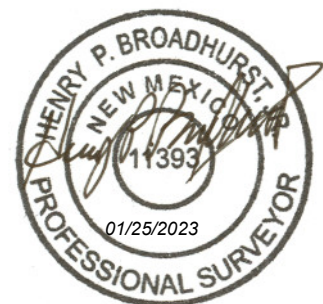
sford@djrlc.com
E-mail Address

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 24, 2023

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 Operating
Well Name & No.	Betonnies Tsosie Wash A35 2308 213H
County & State	San Juan, NM
SDI Job No.	OP.033838
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 450 feet to a measured depth of 11,040 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

5-May-22

Date

Janie Collins

Colorado District Well Planner
Scientific Drilling International



DJR

Betonne Tsose Wash Unit

A35 2308

213H

End of Well Report



www.scientificdrilling.com



WELL DETAILS: # 213H

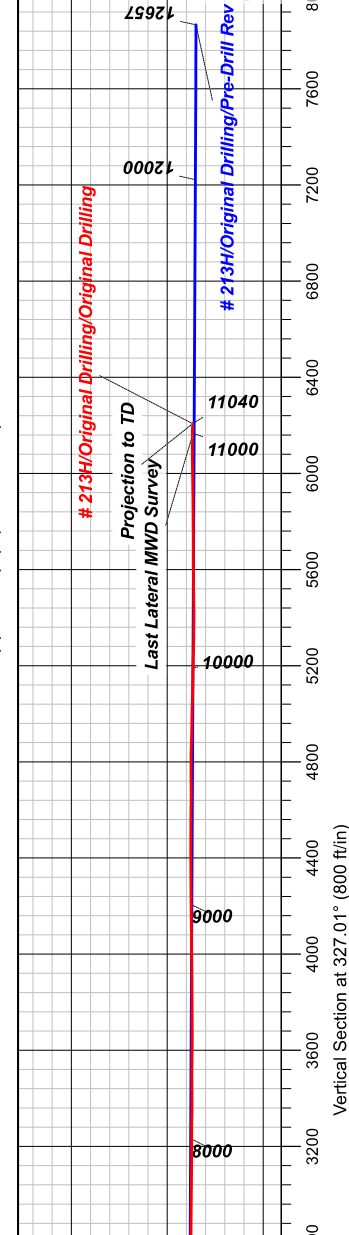
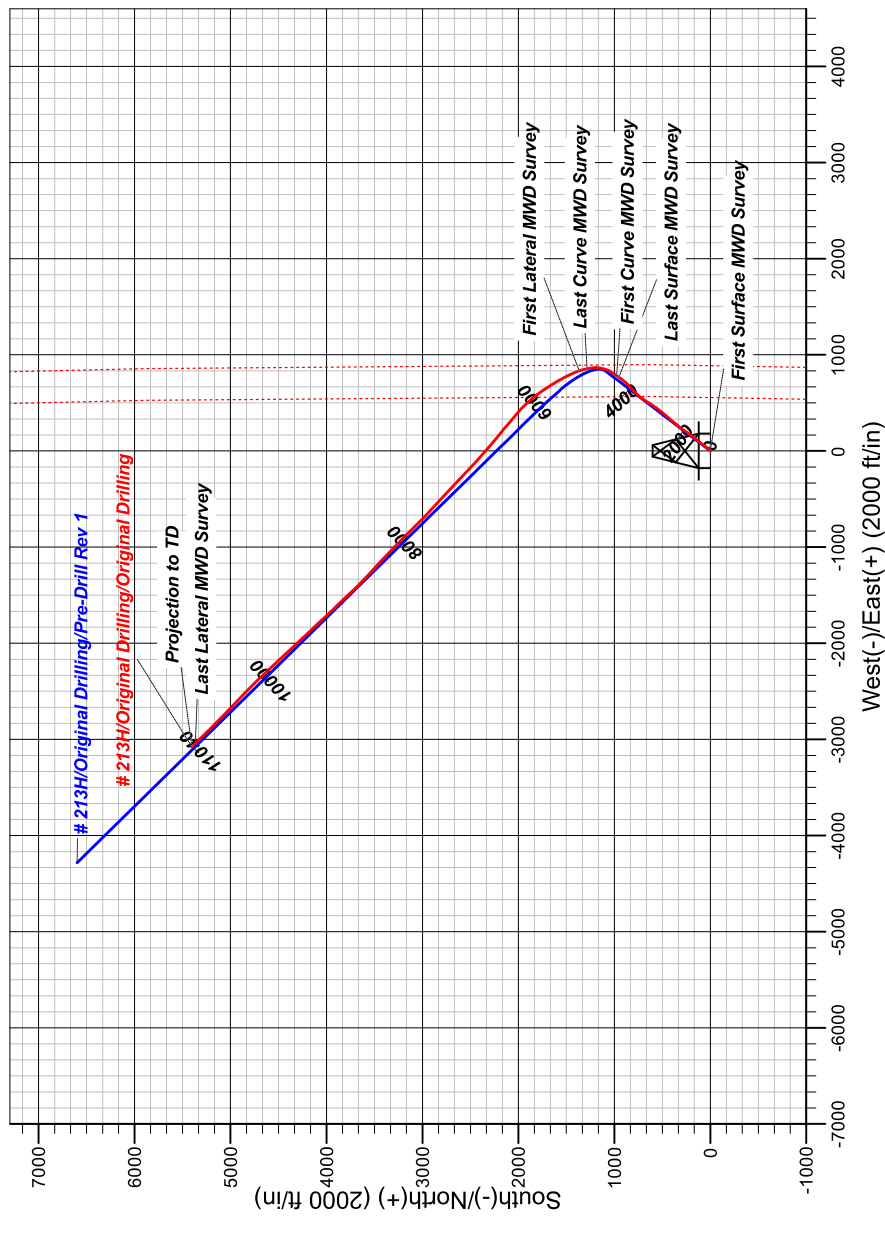
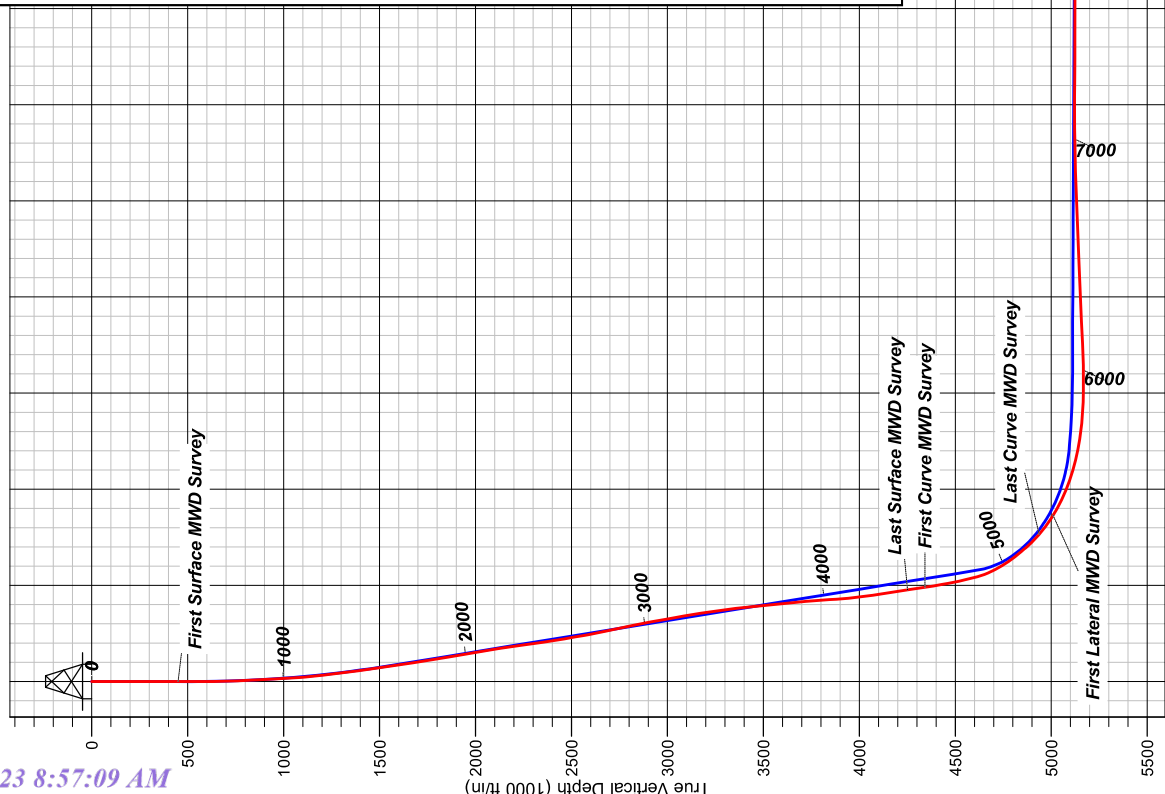
GL 6974' & RKB 26' @ 7000ft (H&P 443)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0	0	1888089.74	2778713.01	36.18884200	-107.64483800

Company: DJR Operating
Project: Bettonnie Tsosie Unit
Site: A35 2308 Pad
Well: # 213H
Wellbore: Original Drilling
Design: Original Drilling

PROJECT DETAILS: Bettonnie Tsosie 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

Design: Original Drilling (# 213H/Original Drilling)
Created By: Janie Collins Date: 11:49, May 04 2022





DJR Operating

Betonne Tsoie Unit

A35 2308 Pad

213H - Slot 3

Original Drilling

Design: Original Drilling

Standard Survey Report

04 May, 2022



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 213H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Site:	A35 2308 Pad	MD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Well:	# 213H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Project	Betonne Tsoie 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	A35 2308 Pad		
Site Position:		Northing:	1,888,089.74 usft
From:	Lat/Long	Easting:	2,778,713.01 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.18884200
		Longitude:	-107.64483800
		Grid Convergence:	0.11 °

Well	# 213H - Slot 3		
Well Position	+N/-S	0 ft	Northing:
	+E/-W	0 ft	Easting:
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.18884200
		Longitude:	-107.64483800
		Ground Level:	6974 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	4/21/2022	8.52	62.67	49,082.50000000

Design	Original Drilling			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0	0	0	327.01

Survey Program	Date	5/3/2022		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
450	4467	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
4562	5250	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
5361	11,040	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	
450	0.07	278.39	450	0	0	0	0.02	0.02	0.00	
542	1.46	59.57	542	1	1	0	1.65	1.51	153.46	
634	2.65	50.06	634	3	3	0	1.34	1.29	-10.34	
726	4.65	37.02	726	7	7	2	2.34	2.17	-14.17	
815	6.61	35.94	814	14	12	5	2.21	2.20	-1.21	
905	8.78	40.84	903	23	20	9	2.52	2.41	5.44	
997	10.99	46.01	994	35	31	12	2.59	2.40	5.62	
1088	12.76	41.39	1083	48	44	17	2.21	1.95	-5.08	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 213H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Site:	A35 2308 Pad	MD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Well:	# 213H	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	14.57	36.11	1173	65	57	24	2.39	1.97	-5.74
1272	15.34	36.73	1261	84	71	32	0.85	0.84	0.67
1362	16.34	36.34	1348	104	86	41	1.12	1.11	-0.43
1452	19.08	37.48	1434	126	102	50	3.07	3.04	1.27
1543	20.64	39.39	1519	150	122	60	1.86	1.71	2.10
1633	19.87	38.35	1604	174	141	69	0.94	-0.86	-1.16
1724	20.35	37.53	1689	199	160	80	0.61	0.53	-0.90
1814	21.06	37.36	1773	224	180	90	0.79	0.79	-0.19
1906	20.51	35.43	1859	251	199	102	0.95	-0.60	-2.10
2000	19.95	34.62	1948	277	218	114	0.67	-0.60	-0.86
2095	21.55	37.05	2036	305	238	126	1.91	1.68	2.56
2190	19.24	35.65	2126	331	257	138	2.49	-2.43	-1.47
2285	21.10	41.22	2215	357	278	148	2.81	1.96	5.86
2379	23.35	41.14	2302	384	301	158	2.39	2.39	-0.09
2474	23.64	40.63	2389	412	326	168	0.37	0.31	-0.54
2569	24.70	40.01	2475	442	351	180	1.15	1.12	-0.65
2664	25.80	40.08	2561	473	377	191	1.16	1.16	0.07
2759	28.38	38.99	2646	506	405	204	2.77	2.72	-1.15
2854	25.39	36.18	2731	540	431	219	3.42	-3.15	-2.96
2949	24.60	36.15	2817	573	454	233	0.83	-0.83	-0.03
3044	21.45	33.96	2904	603	476	247	3.44	-3.32	-2.31
3139	19.04	33.38	2993	630	494	260	2.55	-2.54	-0.61
3234	17.31	31.37	3084	655	510	272	1.94	-1.82	-2.12
3329	16.69	32.46	3174	679	525	284	0.73	-0.65	1.15
3423	16.26	32.72	3265	701	539	295	0.46	-0.46	0.28
3518	16.77	40.32	3356	723	555	304	2.33	0.54	8.00
3614	15.99	40.22	3448	744	573	312	0.81	-0.81	-0.10
3709	17.60	43.08	3539	764	591	319	1.90	1.69	3.01
3804	20.28	45.06	3629	786	612	326	2.90	2.82	2.08
3899	19.41	44.29	3718	809	635	333	0.96	-0.92	-0.81
3993	17.23	47.30	3807	830	656	339	2.53	-2.32	3.20
4088	21.25	48.33	3897	851	679	344	4.25	4.23	1.08
4183	22.35	44.22	3985	875	705	350	1.98	1.16	-4.33
4278	20.76	40.49	4073	901	728	359	2.21	-1.67	-3.93
4372	20.69	35.64	4161	927	749	370	1.83	-0.07	-5.16
4467	17.68	35.62	4251	953	767	381	3.17	-3.17	-0.02
4562	18.03	34.17	4342	976	784	392	0.60	0.37	-1.53
4657	19.93	34.90	4431	1002	801	404	2.02	2.00	0.77
4752	22.62	31.45	4520	1031	820	418	3.12	2.83	-3.63
4831	20.56	28.28	4593	1056	834	431	3.00	-2.61	-4.01
4926	29.77	16.02	4679	1093	849	455	11.09	9.69	-12.91
5021	36.29	12.69	4759	1144	862	490	7.12	6.86	-3.51
5116	38.40	0.82	4834	1201	868	534	7.89	2.22	-12.49



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 213H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Site:	A35 2308 Pad	MD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Well:	# 213H	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)
5211	40.14	347.15	4908	1260	862	588	9.28	1.83	-14.39
5250	45.28	348.04	4937	1286	856	612	13.27	13.18	2.28
5361	53.24	342.05	5009	1367	834	692	8.25	7.17	-5.40
5455	59.61	335.02	5061	1440	805	769	9.20	6.78	-7.48
5548	67.83	332.18	5102	1514	768	852	9.25	8.84	-3.05
5643	75.24	329.71	5132	1593	725	942	8.18	7.80	-2.60
5737	80.53	327.50	5152	1671	677	1033	6.08	5.63	-2.35
5832	86.11	326.54	5163	1750	625	1128	5.96	5.87	-1.01
5926	89.70	322.71	5167	1827	571	1222	5.58	3.82	-4.07
6021	90.20	317.29	5167	1900	510	1316	5.73	0.53	-5.71
6114	94.83	312.69	5163	1965	444	1407	7.01	4.98	-4.95
6209	92.25	310.26	5157	2028	373	1498	3.73	-2.72	-2.56
6303	92.48	310.49	5153	2089	302	1588	0.35	0.24	0.24
6397	93.23	310.52	5148	2150	230	1678	0.80	0.80	0.03
6491	93.05	310.47	5143	2211	159	1768	0.20	-0.19	-0.05
6585	92.83	310.38	5138	2272	87	1858	0.25	-0.23	-0.10
6679	92.82	310.11	5134	2333	16	1948	0.29	-0.01	-0.29
6773	92.38	310.03	5129	2393	-56	2038	0.48	-0.47	-0.09
6868	91.61	311.29	5126	2455	-128	2129	1.55	-0.81	1.33
6962	91.98	315.04	5123	2519	-197	2220	4.01	0.39	3.99
7056	90.44	314.47	5121	2585	-263	2312	1.75	-1.64	-0.61
7151	89.13	313.15	5121	2651	-332	2404	1.96	-1.38	-1.39
7245	90.10	313.22	5122	2715	-400	2496	1.03	1.03	0.07
7340	89.19	312.24	5123	2780	-470	2588	1.41	-0.96	-1.03
7434	90.81	314.01	5123	2844	-539	2679	2.55	1.72	1.88
7528	88.46	312.20	5123	2908	-607	2770	3.16	-2.50	-1.93
7622	89.26	313.45	5125	2972	-676	2861	1.58	0.85	1.33
7715	90.74	315.86	5125	3038	-743	2952	3.04	1.59	2.59
7810	88.56	314.35	5126	3105	-810	3045	2.79	-2.29	-1.59
7909	89.73	314.56	5127	3174	-880	3142	1.20	1.18	0.21
7999	90.44	315.36	5127	3238	-944	3230	1.19	0.79	0.89
8091	88.49	313.62	5128	3302	-1010	3319	2.84	-2.12	-1.89
8182	90.57	313.51	5129	3365	-1075	3408	2.29	2.29	-0.12
8273	90.30	313.75	5128	3428	-1141	3496	0.40	-0.30	0.26
8363	89.40	312.87	5128	3489	-1207	3584	1.40	-1.00	-0.98
8452	88.59	312.40	5130	3550	-1272	3670	1.05	-0.91	-0.53
8543	89.50	313.06	5131	3611	-1339	3758	1.24	1.00	0.73
8634	91.55	316.64	5131	3676	-1404	3847	4.53	2.25	3.93
8724	91.24	316.27	5128	3741	-1466	3936	0.54	-0.34	-0.41
8815	91.17	316.47	5126	3807	-1528	4025	0.23	-0.08	0.22
8906	91.21	315.93	5125	3872	-1591	4114	0.59	0.04	-0.59
8997	91.24	315.86	5123	3938	-1655	4204	0.08	0.03	-0.08
9088	89.43	317.86	5122	4004	-1717	4293	2.96	-1.99	2.20



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 213H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Site:	A35 2308 Pad	MD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Well:	# 213H	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)
9178	89.40	317.01	5123	4070	-1778	4382	0.94	-0.03	-0.94
9269	89.30	316.88	5124	4137	-1840	4472	0.18	-0.11	-0.14
9360	89.73	316.87	5125	4203	-1902	4561	0.47	0.47	-0.01
9451	90.47	317.24	5125	4270	-1964	4651	0.91	0.81	0.41
9541	90.77	316.67	5124	4336	-2025	4739	0.72	0.33	-0.63
9632	88.79	316.70	5124	4402	-2088	4829	2.18	-2.18	0.03
9723	88.16	317.00	5126	4468	-2150	4918	0.77	-0.69	0.33
9814	88.55	317.19	5129	4535	-2212	5008	0.48	0.43	0.21
9905	88.39	317.05	5131	4601	-2274	5098	0.23	-0.18	-0.15
9996	88.02	316.88	5134	4668	-2336	5187	0.45	-0.41	-0.19
10,087	88.32	315.48	5137	4734	-2399	5277	1.57	0.33	-1.54
10,178	89.60	314.31	5139	4798	-2463	5366	1.91	1.41	-1.29
10,267	91.24	314.39	5138	4860	-2527	5452	1.84	1.84	0.09
10,358	90.87	314.31	5137	4924	-2592	5541	0.42	-0.41	-0.09
10,450	89.80	312.72	5136	4987	-2659	5631	2.08	-1.16	-1.73
10,541	90.57	314.04	5136	5049	-2725	5719	1.68	0.85	1.45
10,632	90.70	314.90	5135	5113	-2790	5808	0.96	0.14	0.95
10,723	90.44	314.50	5134	5177	-2855	5897	0.52	-0.29	-0.44
10,814	91.81	315.72	5132	5242	-2919	5986	2.02	1.51	1.34
10,905	89.77	315.62	5131	5307	-2982	6075	2.24	-2.24	-0.11
10,988	89.36	315.75	5131	5366	-3040	6156	0.52	-0.49	0.16
11,040	89.36	315.75	5132	5403	-3077	6207	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
7" Casing @ 4970' TVD	0.00	0.00	4970	1320	804	1,889,411.75	2,779,514.12	36.19246939	-107.64211431
- hit/miss target									
- Shape									
- actual wellpath misses target center by 43ft at 5307ft MD (4976 TVD, 1327 N, 846 E)									
- Point									
213H 85° Tangent	0.00	0.00	5095	1577	623	1,889,667.52	2,779,333.12	36.19317297	-107.64272604
- actual wellpath misses target center by 106ft at 5673ft MD (5140 TVD, 1618 N, 710 E)									
- Point									
213H Heel	0.00	0.00	5110	1756	474	1,889,846.33	2,779,183.30	36.19366500	-107.64323260
- actual wellpath misses target center by 133ft at 5934ft MD (5167 TVD, 1833 N, 566 E)									
- Circle (radius 100)									
213H Toe	0.00	0.00	5150	6598	-4283	1,894,679.88	2,774,416.99	36.20696775	-107.65935670
- actual wellpath misses target center by 1698ft at 11040ft MD (5132 TVD, 5403 N, -3077 E)									
- Circle (radius 100)									



Scientific Drilling
Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 213H - Slot 3
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Site:	A35 2308 Pad	MD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Well:	# 213H	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)	
450	450	0	0	First Surface MWD Survey
4467	4251	953	767	Last Surface MWD Survey
4562	4341	976	784	First Curve MWD Survey
5250	4937	1286	856	Last Curve MWD Survey
5361	5009	1367	834	First Lateral MWD Survey
10,988	5131	5366	-3040	Last Lateral MWD Survey
11,040	5132	5403	-3077	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

Well Name: BETONNIE TSOSIE WASH UNIT	Well Location: T23N / R8W / SEC 35 / NENE / 36.18884 / -107.64483	County or Parish/State: SAN JUAN / NM
Well Number: 213H	Type of Well: OIL WELL	Allottee or Tribe Name: NAVAJO NATION
Lease Number: NOG14021887	Unit or CA Name:	Unit or CA Number: NMNM135219A
US Well Number: 3004538236	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Subsequent Report

Sundry ID: 2714497

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 02/07/2023	Time Sundry Submitted: 12:52
Date Operation Actually Began: 01/17/2023	

Actual Procedure: Completion Sundry 12/18/22: PT 4.5" x 7" casing 2k (30min). Full function PT L400 H9600, all tests good & recorded on chart. Open well increase pressure, AlphaSleeve opened at 8845 psi. 1/17/23: Perf, Plug & Frac 16 stages: 3 spf, .35" diameter, from 6174' to 10941' MD (5121' to 5165' TVD). Total of 560 open holes. As pumped: 29,097 bbls of fluid. 4,900,370 lbs of proppant. 47,659,956 scf of N2. 1/31/23: MIRU rig AWS 812. NU BOPE. Full function PT L500 H5000 (30min), tests good & recorded on chart. 2/1/23: TIH. Drill out plugs. 2/4/23: Change over tubing tools. PT 2k (10min) test good & recorded on chart. RIH with production string. Land 174 jts of 2.875" 6.5# L80 STC. EOT: 5723'. Five GLVs set at 1961' – 2686' – 3411' – 4135' – 4826'. TOH. NU BOPE. NU production tree & PT L400 H5000 (30min) test good & recorded on chart. Turn well over to production. Rig AWS 812 released on 2/4/23.

Well Name: BETONNIE TSOSIE WASH UNIT	Well Location: T23N / R8W / SEC 35 / NENE / 36.18884 / -107.64483	County or Parish/State: SAN JUAN / NM
Well Number: 213H	Type of Well: OIL WELL	Allottee or Tribe Name: NAVAJO NATION
Lease Number: NOG14021887	Unit or CA Name:	Unit or CA Number: NMNM135219A
US Well Number: 3004538236	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHAW-MARIE FORD	Signed on: FEB 07, 2023 12:52 PM
Name: DJR OPERATING LLC	
Title: Regulatory Specialist	
Street Address: 1 Road 3263	
City: Aztec	State: NM
Phone: (505) 632-3476	
Email address: sford@djrlc.com	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 02/22/2023
Signature: Kenneth Rennick	



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print

04/26/2023

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 213H	US Well Number 3004538236
SHL NENE Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) NOG14021887
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM135219A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name BETONNIE TSOSIE WASH UNIT	Well Pad Number 213H, 214H, 501H	ID 10400062046

Section 1 - General

Well Completion Report Id: 87950**Submission Date:** 04-25-2023**BLM Office:** Farmington Field Office**User:** SHAW-MARIE FORD**Title:** Regulatory Specialist**Federal/Indian:** INDIAN**Lease Number:** NOG14021887**Lease Acres:****Agreement in place?:** YES**Federal or Indian Agreement:****Agreement Number:****Agreement Name:****Keep this Well Completion Report confidential?:****APD Operator:** DJR OPERATING LLC

Section 2 - Well

Field/Pool or Exploratory:**Pool Name:** BETONNIE TSOSIE**Field Name:** BASIN MANCOS**Well Type:** OIL WELL**Spud Date:** 01-04-2022**Date Total Measured Depth Reached:** 04-29-2022**Drill & Abandon or Ready To Produce:** READY TO**Well Class:** HORIZONTAL

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
OJO ALAMAO	SANDSTONE		0	821	823	USEABLE WATER	
KIRTLAND	SHALE		-953	953	956	NONE	

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 213H	US Well Number 3004538236
SHL NENE Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) N0G14021887
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM135219A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name BETONNIE TSOSIE WASH UNIT	Well Pad Number 213H, 214H, 501H	ID 10400062046

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
FRUITLAND	COAL		-1227	1227	1239	NATURAL GAS	
PICTURED CLIFFS	SANDSTONE		-1500	1500	1529	USEABLE WATER	
LEWIS	SHALE		-1648	1648	1687	NONE	
CHACRA	SANDSTONE		-2197	2197	2276	NONE	
MENEFEE	COAL, SANDSTONE		-2939	2939	3071	NATURAL GAS	
POINT LOOKOUT	SANDSTONE		-3869	3869	4067	NONE	
MANCOS	SHALE		-4025	4025	4234	NONE	
MANCOS	SILTSTONE		-4302	4302	4531	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4805	4805	5742	NATURAL GAS, OIL	

Completion and Completed

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM135219A	N0G14021887	NEW		POW	02-04-2023	02-06-2023	GALLUP	6174	10941	Y	.35	560	OPEN

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 213H	US Well Number 3004538236
SHL NENE Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) NOG14021887
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM135219A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name BETONNIE TSOSIE WASH UNIT	Well Pad Number 213H, 214H, 501H	ID 10400062046

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	29097	4900370	Chemical Disclosure uploaded to FracFocus on 02/07/23.

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1			GAS LIFT		SOLD	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	S1	1	02/08/2023	24	571	2523	773	4418	36/64	595		979

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 213H	US Well Number 3004538236
SHL NENE Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) N0G14021887
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM135219A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name BETONNIE TSOSIE WASH UNIT	Well Pad Number 213H, 214H, 501H	ID 10400062046

Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: GL

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Acqueduct
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.18884	-107.64483	6974	N/A	N/A	FEDERAL	NMNM76842				663	FNL	835	FEL	23N	8W	35	NE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.18884	-107.64483	6624	350	350	FEDERAL	NMNM76842				663	FNL	835	FEL	23N	8W	35	NE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.200087	-107.650907	1809	10941	5165	FEDERAL	NMNM120375				1829	FNL	2645	FWL	23N	8W	26	SE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.19786	-107.648205	1809	10941	5165	INDIAN	N0G14021836				2632	FNL	1827	FEL	23N	8W	26	SW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.193843	-107.643126	1853	6174	5121	INDIAN	N0G14021887				1152	FSL	330	FEL	23N	8W	26	SE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.203583	-107.655143	1809	10941	5165	FEDERAL	NMNM120375				561	FNL	1395	FWL	23N	8W	26	NE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.203685	-107.655266	1843	11040	5131	FEDERAL	NMNM120375	5131	10991		524	FNL	1358	FWL	23N	8W	26	NE

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 213H	US Well Number 3004538236
SHL NENE Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) NOG14021887
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM135219A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name BETONNIE TSOSIE WASH UNIT	Well Pad Number 213H, 214H, 501H	ID 10400062046

Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	12.25	0	355	9.625	36	J-55		ST&C		
00	INTERMEDIATE	8.75	0	5292	7.0	26	J-55		LT&C		
00	LINER	6.125	5110	11005	4.5	11.6	P-110		BUTT		

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield (cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		I-ii	109	1.61	0					31.3
00	INTERMEDIATE		G	469	2.34	0	Poz/G	111	1.51	4236	225.3
00	LINER		Poz/G	653	1.52	5110					176.8

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 213H	US Well Number 3004538236
SHL NENE Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) NOG14021887
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM135219A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name BETONNIE TSOSIE WASH UNIT	Well Pad Number 213H, 214H, 501H	ID 10400062046

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	2.875		5723	5131	6	L-80		ST&C	

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
00	YES	NO	NO	NO	NO	YES

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 213H	US Well Number 3004538236
SHL NENE Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) NOG14021887
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM135219A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name BETONNIE TSOSIE WASH UNIT	Well Pad Number 213H, 214H, 501H	ID 10400062046

Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: DJR OPERATING LLC

Signed By: SHAW-MARIE FORD

Title: Regulatory Specialist

Signed on: 04/25/2023

Street Address: 1 Road 3263

City: Aztec

State: NM

Zip: 87410

Phone: (505)632-3476

Email address: sford@djrlc.com

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Extension:

Email address:

Attachments

213H_Certified_EOWR_20230425082451.pdf

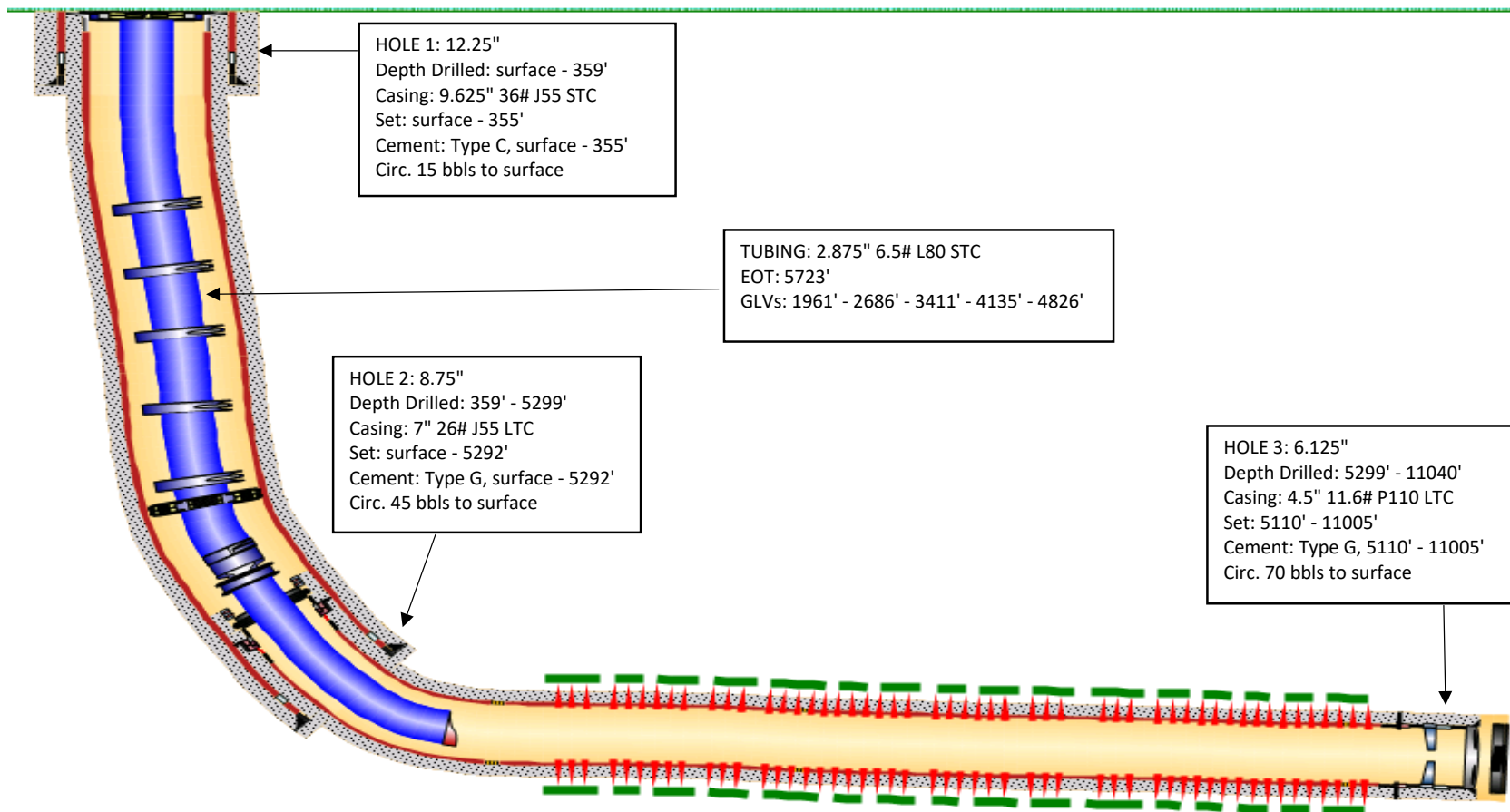
BTWU_213H_AsDrilled_Plat___WBD_20230425082636.pdf

BETONNIE TSOSIE WASH UNIT 213H

API: 30-045-38236
 SHL: NENE A-35-23N-08W
 663' FNL x 835' FEL

Page 21 of 23
 Elevation: 6974' GL
 Spud Date: 01/04/2022
 Completed Date: 02/04/2023

FORMATION	MD	TVD
Ojo Alamo	823'	821'
Kirtland	956'	953'
Fruitland	1239'	1227'
Pictured Cliffs	1529'	1500'
Lewis	1687'	1648'
Chacra	2276'	2197'
Menefee	3071'	2939'
Point Lookout	4067'	3869'
Mancos	4234'	4025'
KOP~	4829'	4591'
Gallup	5085'	4805'
Target	5742'	5098'



Perf:	16 Stages	Frac:	16 Stages
Depth:	6174' - 10941' MD	29,097	bbls of fluid
	5121' - 5165' TVD	4,900,370	lbs of proppant
		47,659,956	scf of N2
Total of 560 Open Holes			

(NAD83)	LAT.	LONG.
SHL:	36.188842	-107.644838
FTP:	36.193843	-107.643126
LTP:	36.203583	-107.655143
BHL:	36.203685	-107.655266

BHL: NENW C-26-23N-08W
 524' FNL x 1358' FWL

11,040'	TD
5,131'	TVD
10,991'	PBTD
10,969'	FracSleeve

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 243247

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 243247
	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.

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

CONDITIONS

Action 243247

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 243247
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	8/7/2023