

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 30-045-38231	⁵ Pool Name Bettonnie Tsosie Wash; Mancos (Oil)		⁶ Pool Code 98175
⁷ Property Code 325179	⁸ Property Name Bettonnie Tsosie Wash Unit		⁹ Well Number 507H

II. ¹⁰ Surface Location

Ul or lot no. G	Section 34	Township 23N	Range 08W	Lot Idn	Feet from the 1480'	North/South Line North	Feet from the 2348'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. H	Section 28	Township 23N	Range 08W	Lot Idn	Feet from the 1650'	North/South line North	Feet from the 1136'	East/West line East	County San Juan
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date 05/19/22		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	O
	6500 Townbridge Drive, El Paso, TX 79905	
151618	Enterprise Field Services, LLC	G
	Post Office Box 4503, Houston, TX 77001	

IV. Well Completion Data

²¹ Spud Date 07/14/21	²² Ready Date 05/07/22	²³ TD 11,713' MD 4,899' TVD	²⁴ PBTD 11,693' MD 4,899' TVD	²⁵ Perforations 5,484'- 11,639' MD 4,915'- 4,880' TVD Frac Sleeve @ 11,673'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12.25		9.625" 36# J55		359'	109
8.75		7" 26# J55		5,328'	615
6.125		4.5" 11.6# P110		TOL: 5,050' BOL: 11,709'	563
		2.875" 6.5# L80 Tubing		5,251'	

V. Well Test Data

³¹ Date New Oil 05/08/22	³² Gas Delivery Date 05/19/22	³³ Test Date 05/09/22	³⁴ Test Length 24	³⁵ Tbg. Pressure 335	³⁶ Csg. Pressure 750
³⁷ Choke Size 48/64	³⁸ Oil 537	³⁹ Water 818	⁴⁰ Gas 1250		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>1/12/2023</i>	
E-mail Address: sford@djrlle.com			
Date: 05/31/22	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: (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
☒ ASDRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38231	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 507H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6834'

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
G	34	23N	8W		1480'	NORTH	2348'	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
H	28	23N	8W		1650'	NORTH	1136'	EAST	SAN JUAN

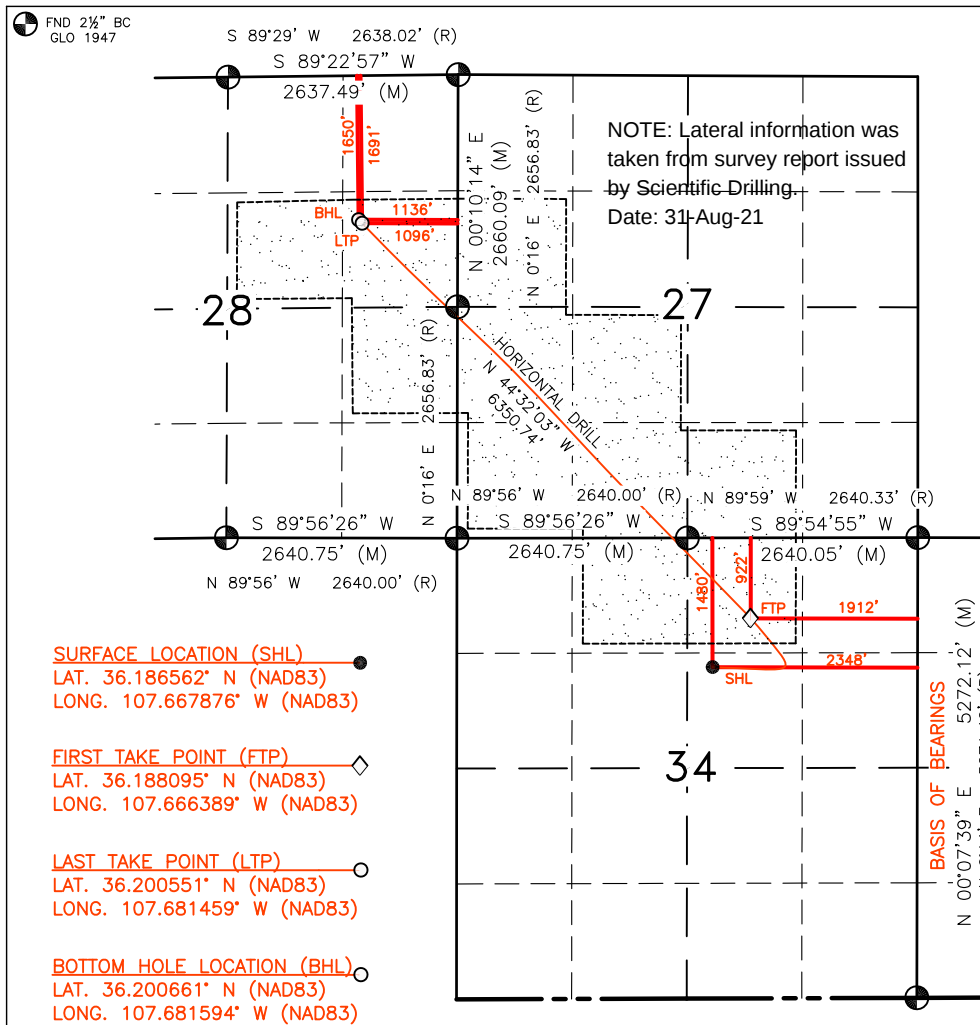
¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC 34: NW/NE & NE/NW (80 AC.); SEC 27:
SW/SE, SW/4 & SW/NW (240 AC.); sec 28:
SE/NE, SW/NE & NE/SE (120 AC.) = 440 ACRES

¹³ Joint or Infill¹⁴ Consolidation Code¹⁵ Order No.

R-13930 R-13930A

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 02/04/22
Signature Date

Shaw-Marie Ford
Printed Name

sford@djrlc.com

E-mail Address

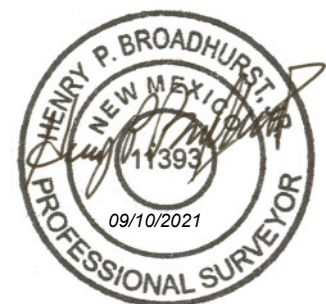
SURVEYOR CERTIFICATION

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.

SEPTEMBER 7, 2021

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

11393



DJR

Betonne Tsoie Unit

G34 2308 Pad

#507H

End of Well Report



www.scientificdrilling.com



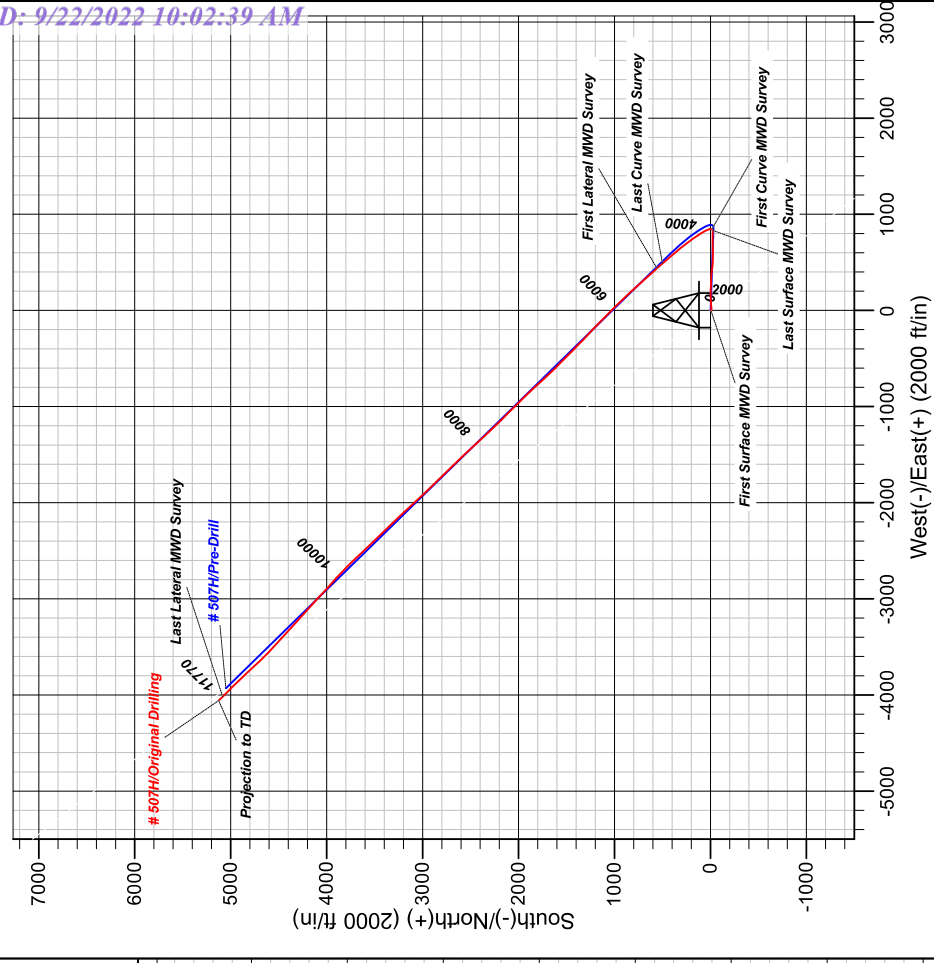
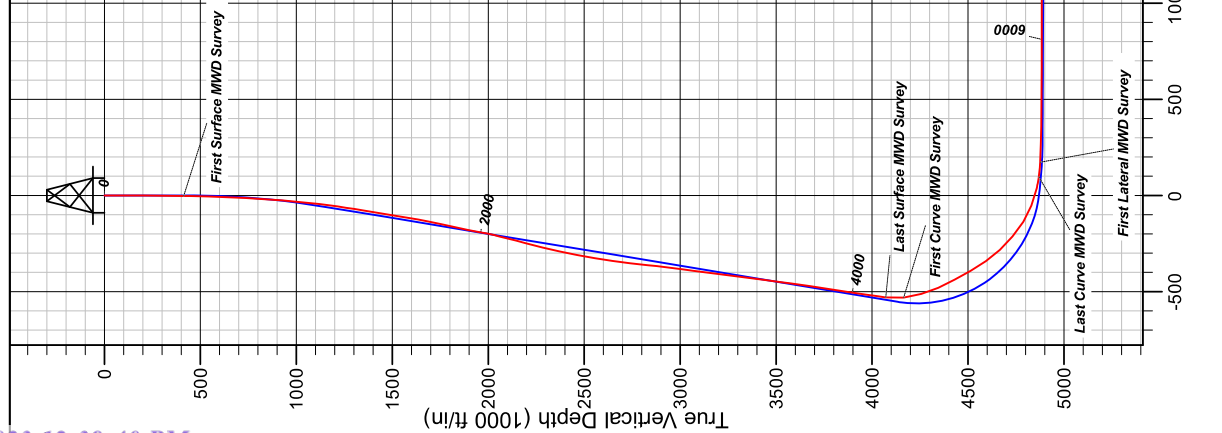


Company Name: DJR Operating
Project: Betonnie Tsosie Unit
Site: G34 2308 Pad
Well: # 507H
Wellbore: Original Drilling



WELL DETAILS: # 507H

GL 6834' & 26' @ 6860ft (H&P 443) 6834			
+N/-S	+E/-W	Northing	Longitude
0	0	1887247.38	-107.66787600
3			



Design: Original Drilling (# 507H/Original Drilling)	
Created By: Janie Collins	Date: 10/25, August 31 2021
PROJECT DETAILS: Betonnie 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	



DJR Operating

**Betonne Tsoie Unit
G34 2308 Pad
507H - Slot 3**

Original Drilling

Design: Original Drilling

Standard Survey Report

31 August, 2021



www.scientificdrilling.com



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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	G34 2308 Pad		
Site Position:		Northing:	1,887,253.23 usft
From:	Lat/Long	Easting:	2,771,935.23 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.18657800
		Longitude:	-107.66781200
		Grid Convergence:	0.10 °

Well	# 507H - Slot 3		
Well Position	+N/-S	0 ft	Northing: 1,887,247.38 usft
	+E/-W	0 ft	Easting: 2,771,916.35 usft
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.18656200
		Longitude:	-107.66787600
		Ground Level:	6834 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	8/11/2021	8.57	62.68	49,157.70000000
	HDGM2021_FILE	8/21/2021	8.57	62.68	49,155.00000000

Design	Original Drilling			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0	0	0	322.11

Survey Program	Date	8/31/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
413	4178	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
4273	5281	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
5358	11,770	Survey #3 - Lateral MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM

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
413	1.38	194.82	413	-5	-1	-3	0.33	0.33	0.00
443	1.60	202.96	443	-6	-2	-3	1.02	0.73	27.13
535	1.73	149.56	535	-8	-1	-5	1.63	0.14	-58.04
628	3.30	99.13	628	-10	2	-9	2.76	1.69	-54.23
720	4.78	90.89	720	-10	8	-13	1.72	1.61	-8.96
812	6.64	85.26	811	-10	18	-18	2.11	2.02	-6.12
904	8.37	81.75	902	-8	30	-25	1.94	1.88	-3.82



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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)
997	9.63	82.61	994	-6	44	-32	1.36	1.35	0.92
1087	11.24	86.38	1083	-5	60	-41	1.94	1.79	4.19
1178	13.61	86.43	1172	-4	80	-52	2.60	2.60	0.05
1268	14.93	85.77	1259	-2	102	-64	1.48	1.47	-0.73
1360	16.87	86.11	1347	0	127	-78	2.11	2.11	0.37
1453	14.28	93.44	1437	0	152	-93	3.49	-2.78	7.88
1544	14.11	92.39	1525	-1	174	-108	0.34	-0.19	-1.15
1635	14.36	89.96	1613	-2	197	-122	0.71	0.27	-2.67
1724	17.85	92.74	1699	-2	221	-138	4.01	3.92	3.12
1817	19.32	93.02	1787	-4	251	-157	1.58	1.58	0.30
1911	17.50	90.22	1876	-5	280	-176	2.15	-1.94	-2.98
2006	17.29	89.90	1967	-5	309	-193	0.24	-0.22	-0.34
2101	19.75	95.82	2057	-6	339	-213	3.26	2.59	6.23
2196	20.66	95.21	2146	-9	372	-236	0.98	0.96	-0.64
2290	19.99	94.09	2234	-12	404	-258	0.82	-0.71	-1.19
2385	18.93	98.50	2324	-15	436	-280	1.91	-1.12	4.64
2480	16.88	97.27	2414	-20	465	-301	2.19	-2.16	-1.29
2575	14.60	94.61	2506	-22	490	-319	2.52	-2.40	-2.80
2670	13.26	91.80	2598	-24	513	-334	1.58	-1.41	-2.96
2765	11.08	89.97	2691	-24	533	-346	2.33	-2.29	-1.93
2860	9.74	90.16	2784	-24	550	-357	1.41	-1.41	0.20
2955	11.03	91.65	2878	-24	567	-367	1.39	1.36	1.57
3050	11.28	91.93	2971	-25	586	-379	0.27	0.26	0.29
3145	12.72	89.01	3064	-25	605	-391	1.64	1.52	-3.07
3240	12.01	85.84	3156	-24	626	-403	1.03	-0.75	-3.34
3335	13.01	90.50	3249	-23	646	-415	1.49	1.05	4.91
3430	11.34	88.42	3342	-23	666	-428	1.82	-1.76	-2.19
3525	12.45	87.93	3435	-23	686	-439	1.17	1.17	-0.52
3620	12.15	91.28	3528	-22	706	-451	0.81	-0.32	3.53
3715	13.22	88.80	3620	-22	727	-464	1.26	1.13	-2.61
3810	14.69	88.72	3713	-22	750	-478	1.55	1.55	-0.08
3905	13.55	88.70	3805	-21	773	-492	1.20	-1.20	-0.02
4000	13.56	92.01	3897	-22	795	-505	0.82	0.01	3.48
4076	12.31	95.24	3971	-23	812	-517	1.90	-1.64	4.25
4178	10.95	90.15	4071	-24	833	-530	1.67	-1.33	-4.99
4273	12.44	25.74	4165	-14	846	-531	13.12	1.57	-67.80
4368	18.41	345.93	4256	9	847	-513	12.44	6.28	-41.91
4463	24.04	335.54	4345	42	835	-480	7.11	5.93	-10.94
4558	28.31	327.54	4430	78	815	-439	5.82	4.49	-8.42
4653	30.54	327.94	4513	118	790	-392	2.36	2.35	0.42
4748	34.08	327.54	4593	161	763	-342	3.73	3.73	-0.42
4842	43.39	324.00	4666	209	730	-283	10.18	9.90	-3.77
4938	49.80	321.59	4732	265	688	-214	6.92	6.68	-2.51



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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)
5033	57.97	319.49	4788	324	639	-137	8.78	8.60	-2.21
5127	69.03	319.52	4830	388	585	-53	11.77	11.77	0.03
5222	76.87	320.47	4858	457	526	38	8.31	8.25	1.00
5254	80.06	319.42	4864	481	506	69	10.47	9.97	-3.28
5281	82.02	319.55	4869	501	489	96	7.27	7.26	0.48
5358	87.41	318.47	4876	559	438	172	7.14	7.00	-1.40
5452	88.10	318.12	4879	629	376	266	0.82	0.73	-0.37
5547	88.95	317.77	4882	700	312	361	0.97	0.89	-0.37
5641	89.96	317.86	4883	770	249	454	1.08	1.07	0.10
5735	89.56	317.59	4883	839	186	548	0.51	-0.43	-0.29
5829	90.35	316.80	4883	908	122	642	1.19	0.84	-0.84
5923	89.21	315.48	4884	976	57	735	1.86	-1.21	-1.40
6017	89.87	315.48	4884	1043	-9	829	0.70	0.70	0.00
6112	90.44	314.25	4884	1110	-76	923	1.43	0.60	-1.29
6206	89.08	313.81	4884	1175	-144	1016	1.52	-1.45	-0.47
6300	89.74	313.38	4885	1240	-212	1109	0.84	0.70	-0.46
6394	90.48	312.85	4885	1304	-280	1202	0.97	0.79	-0.56
6487	89.56	314.52	4885	1369	-348	1294	2.05	-0.99	1.80
6582	90.44	314.43	4885	1435	-416	1388	0.93	0.93	-0.09
6677	88.20	315.31	4886	1502	-483	1482	2.53	-2.36	0.93
6771	88.73	315.40	4889	1569	-549	1575	0.57	0.56	0.10
6865	89.69	314.87	4890	1636	-615	1669	1.17	1.02	-0.56
6958	89.87	317.24	4890	1703	-680	1761	2.56	0.19	2.55
7051	89.12	318.03	4891	1771	-742	1854	1.17	-0.81	0.85
7143	89.52	316.80	4892	1839	-805	1945	1.41	0.43	-1.34
7235	90.00	316.45	4893	1906	-868	2037	0.65	0.52	-0.38
7327	90.13	315.84	4893	1972	-932	2129	0.68	0.14	-0.66
7420	90.57	314.52	4892	2038	-997	2221	1.50	0.47	-1.42
7511	89.69	314.96	4892	2102	-1062	2311	1.08	-0.97	0.48
7604	90.09	314.78	4892	2168	-1128	2403	0.47	0.43	-0.19
7697	89.91	316.63	4892	2234	-1193	2496	2.00	-0.19	1.99
7790	91.01	317.59	4891	2303	-1256	2588	1.57	1.18	1.03
7882	89.65	317.07	4891	2370	-1318	2680	1.58	-1.48	-0.57
7975	90.79	316.80	4890	2438	-1382	2773	1.26	1.23	-0.29
8067	89.60	316.72	4890	2505	-1445	2864	1.30	-1.29	-0.09
8159	89.30	316.80	4891	2572	-1508	2956	0.34	-0.33	0.09
8251	89.47	316.54	4892	2639	-1571	3048	0.34	0.18	-0.28
8344	90.18	316.01	4892	2706	-1635	3140	0.95	0.76	-0.57
8436	88.90	316.01	4893	2772	-1699	3231	1.39	-1.39	0.00
8528	89.52	316.36	4894	2839	-1763	3323	0.77	0.67	0.38
8620	90.88	315.84	4894	2905	-1827	3414	1.58	1.48	-0.57
8712	89.21	316.45	4894	2971	-1890	3506	1.93	-1.82	0.66
8803	88.07	316.89	4896	3038	-1953	3597	1.34	-1.25	0.48
8895	88.11	316.63	4899	3105	-2016	3688	0.29	0.04	-0.28



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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)
8987	90.31	318.30	4900	3172	-2078	3780	3.00	2.39	1.82
9079	90.62	316.45	4900	3240	-2140	3871	2.04	0.34	-2.01
9170	91.54	316.01	4898	3306	-2203	3962	1.12	1.01	-0.48
9263	90.09	316.36	4897	3373	-2268	4054	1.60	-1.56	0.38
9355	90.88	315.92	4896	3439	-2331	4146	0.98	0.86	-0.48
9447	89.08	316.28	4896	3506	-2395	4237	2.00	-1.96	0.39
9539	89.82	316.10	4897	3572	-2459	4329	0.83	0.80	-0.20
9630	88.24	316.63	4898	3638	-2522	4419	1.83	-1.74	0.58
9722	89.47	316.63	4900	3705	-2585	4511	1.34	1.34	0.00
9816	89.91	315.13	4901	3772	-2650	4604	1.66	0.47	-1.60
9908	90.79	314.08	4900	3837	-2716	4696	1.49	0.96	-1.14
10,000	87.63	312.76	4901	3900	-2782	4787	3.72	-3.43	-1.43
10,092	88.15	311.71	4905	3962	-2850	4877	1.27	0.57	-1.14
10,184	89.74	312.23	4906	4023	-2919	4968	1.82	1.73	0.57
10,277	89.42	313.46	4907	4086	-2987	5060	1.37	-0.34	1.32
10,369	89.08	312.50	4908	4149	-3054	5150	1.11	-0.37	-1.04
10,462	88.68	311.18	4910	4211	-3124	5242	1.48	-0.43	-1.42
10,553	90.00	311.79	4911	4271	-3192	5331	1.60	1.45	0.67
10,645	90.53	313.38	4911	4334	-3260	5422	1.82	0.58	1.73
10,738	90.66	312.14	4910	4397	-3328	5514	1.34	0.14	-1.33
10,829	87.93	312.94	4911	4458	-3395	5603	3.13	-3.00	0.88
10,921	88.29	311.71	4914	4520	-3463	5694	1.39	0.39	-1.34
11,014	89.12	314.17	4916	4584	-3531	5786	2.79	0.89	2.65
11,106	90.26	313.81	4917	4648	-3597	5877	1.30	1.24	-0.39
11,198	89.17	317.24	4917	4713	-3662	5968	3.91	-1.18	3.73
11,290	90.70	317.86	4917	4781	-3724	6060	1.79	1.66	0.67
11,382	91.10	316.36	4916	4848	-3786	6152	1.69	0.43	-1.63
11,474	91.76	315.92	4913	4915	-3850	6243	0.86	0.72	-0.48
11,566	93.21	315.92	4909	4981	-3914	6334	1.58	1.58	0.00
11,656	94.44	315.57	4903	5045	-3977	6424	1.42	1.37	-0.39
11,713	94.44	315.57	4899	5086	-4016	6480	0.00	0.00	0.00
11,770	94.44	315.57	4895	5126	-4056	6537	0.00	0.00	0.00



Scientific Drilling
Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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)	
413	413	-5	-1	First Surface MWD Survey
4178	4071	-24	833	Last Surface MWD Survey
4273	4165	-14	846	First Curve MWD Survey
5281	4869	501	489	Last Curve MWD Survey
5358	4876	559	438	First Lateral MWD Survey
11,713	4899	5086	-4016	Last Lateral MWD Survey
11,770	4895	5126	-4056	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.	Betonne Tsosie Unit G34 2308 507H
County & State	San Juan, NM
SDI Job No.	OP.030168
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 413 feet to a measured depth of 5,281 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

31-Aug-21

Date

Janie Collins
Contract Well Planner
Scientific Drilling International

Well Name: BETONNIE TSOSIE WASH UNIT	Well Location: T23N / R8W / SEC 34 / SWNE /	County or Parish/State:
Well Number: 507H	Type of Well: OIL WELL	Allottee or Tribe Name: NAVAJO NATION
Lease Number: NMNM50999	Unit or CA Name:	Unit or CA Number: NMNM135219A
US Well Number: 3004538231	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Subsequent Report

Sundry ID: 2670797

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 05/09/2022	Time Sundry Submitted: 03:06
Date Operation Actually Began: 04/12/2022	

Actual Procedure: Completion Sundry 4/8/22: PT 4.5" x 7" casing 2000 psi (5 min). Bleed down 7" to 1000 psi, pressure up 4.5" to 7050 psi & hold for (15 min) Pressure up to 7500 psi & hold (15 min). All tests good & recorded on chart. Pressure up 4.5", Alpha Sleeve shifted at 8612 psi. 4/12/22 to 4/16/22: Plug & Perf 21 stages. 3 spf with .35" diameter from 11639' to 5484' MD (4915' to 4880' TVD). Total of 735 open holes. Plugs set from 11361' to 5764'. Kill plug at 5268'. Frac 21 stages with 35,227 bbls of fluid. 6,478,307 lbs of proppant. 57,722,578 scf of N2. 5/5/22 to 5/6/22: MIRU AWS 812. NU BOP. PT pipe rams, flowback, blind rams high 470 psi (10 min) low 300 psi (5 min). Annular high 2550 psi (10 min) low 300 psi (5 min). All test good & recorded on chart. TIH. Drill out plugs. TOH. 5/7/22: PT BOP high 2000 psi, low 500 psi (30 min). Test good & recorded on chart. RIH with production string. Land 160 jts of 2.875" 6.5# L80 STC tubing. EOT: 5251'. 3 GLVs set at 4115' – 2969' – 1629'. TOH. PT 2.8575" tubing hanger, production tree 5000 psi (30 min). Test good & recorded on chart. Turn well over to production. Rig AWS 812 released on 5/8/22.

Well Name: BETONNIE TSOSIE WASH UNIT	Well Location: T23N / R8W / SEC 34 / SWNE /	County or Parish/State:
Well Number: 507H	Type of Well: OIL WELL	Allottee or Tribe Name: NAVAJO NATION
Lease Number: NMNM50999	Unit or CA Name:	Unit or CA Number: NMNM135219A
US Well Number: 3004538231	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: MAY 09, 2022 03:06 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: 05/13/2022
Signature: Kenneth Rennick	



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

Well Completion Print

09/22/2022

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 507H	US Well Number 3004538231
SHL SWNE Sec 34 23N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM50999
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 506H, 507H, 508H, 509H	ID 10400061755

Section 1 - General

Well Completion Report Id:	Submission Date: 06-08-2022	
BLM Office: Farmington Field Office	User: SHAW-MARIE FORD	Title: Regulatory Specialist
Federal/Indian: INDIAN	Lease Number: NMNM50999	Lease Acres:
Agreement in place?: YES	Federal or Indian Agreement:	
Agreement Number:	Agreement Name:	
Keep this Well Completion Report confidential?: NO		
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: 07-14-2021		
Date Total Measured Depth Reached: 08-24-2021		
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	618	618	USEABLE WATER	
KIRTLAND	SHALE		-769	769	770	NONE	

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 507H	US Well Number 3004538231
SHL SWNE Sec 34 23N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM50999
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 506H, 507H, 508H, 509H	ID 10400061755

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
FRUITLAND	COAL		-972	972	975	NATURAL GAS	
PICTURED CLIFFS	SANDSTONE		-1237	1237	1246	USEABLE WATER	
LEWIS	SHALE		-1389	1389	1402	NONE	
CHACRA	SANDSTONE		-1954	1954	1980	NONE	
MENEFEE	COAL, SANDSTONE		-2699	2699	2742	NATURAL GAS	
POINT LOOKOUT	SANDSTONE		-3649	3649	3714	NONE	
MANCOS	SHALE		-3803	3803	3872	NONE	
MANCOS	SILTSTONE		-4080	4080	4155	NATURAL GAS, OIL	
GALLUP	SILTSTONE		-4585	4585	4688	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4638	4638	4754	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4744	4744	4907	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4876	4876	5324	NATURAL GAS, OIL	

Completion and Completed

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 507H	US Well Number 3004538231
SHL SWNE Sec 34 23N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM50999
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 506H, 507H, 508H, 509H	ID 10400061755

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	NMNM50999	NEW		POW	05-07-2022	05-08-2022	GALLUP	5484	11639	Y	.35	735	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	35227	6478307	Chemical Disclosure uploaded to FracFocus

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 (bbbls)	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)

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 507H	US Well Number 3004538231
SHL SWNE Sec 34 23N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM50999
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 506H, 507H, 508H, 509H	ID 10400061755

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	05/09/2022	24	537	1250	818	2327	48/64	335		750

Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: GL

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.186562	-107.667876	6834	FEDERAL	NMNM50999				1480	FNL	2348	FEL	23N	8W	34	SWNE
KOP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.186562	-107.667876	6484	FEDERAL	NMNM50999				1480	FNL	2348	FEL	23N	8W	34	SWNE
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.19062	-107.6693	1935	FEDERAL	NMNM120376				0	FSL	0	FEL	23N	8W	27	SWNW
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.19759	-107.6777	1935	INDIAN	N0G14021905				0	FSL	0	FEL	23N	8W	28	NESE
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.19062	-107.6693	1935	INDIAN	N0G14021951				0	FSL	0	FEL	23N	8W	27	SESW

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 507H	US Well Number 3004538231
SHL SWNE Sec 34 23N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM50999
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 506H, 507H, 508H, 509H	ID 10400061755

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.188095	-107.666389	1960	FEDERAL	NMNM50999				922	FNL	1912	FEL	23N	8W	34	NWNE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.19062	-107.6693	1935	INDIAN	N0G14031901				0	FSL	0	FWL	23N	8W	27	SWSE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.200551	-107.681459	1935	FEDERAL	NMNM50999				1691	FNL	1096	FEL	23N	8W	28	SENE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.200661	-107.681594	1935	FEDERAL	NMNM50999	4899	11693		1650	FNL	1136	FEL	23N	8W	28	SENE

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)
---------------	--------------------	-----------	------------------------	---------------------------	-------------	------------	--------------	-----------------------------	-------	-------------	--------------------

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 507H	US Well Number 3004538231
SHL SWNE Sec 34 23N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM50999
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 506H, 507H, 508H, 509H	ID 10400061755

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	359	9.625	36	J-55		ST&C		0
00	INTERMEDIATE	8.75	0	5328	7.0	26	J-55		LT&C		0
00	LINER	6.125	5050	11709	4.5	11.6	P-110		BUTT		0

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	365	2.32	0	G	250	1.5	3695	217.6
00	LINER		G	563	1.56	5050					156.4

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		5251		6	L-80		ST&C	

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 507H	US Well Number 3004538231
SHL SWNE Sec 34 23N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM50999
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 506H, 507H, 508H, 509H	ID 10400061755

Logs

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

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:** 06/08/2022**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**

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 507H	US Well Number 3004538231
SHL SWNE Sec 34 23N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM50999
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 506H, 507H, 508H, 509H	ID 10400061755

507H_Certified_DD_Survey_20220608122313.pdf

507H_As_Drilled_Plat_WBD_20220608122402.pdf

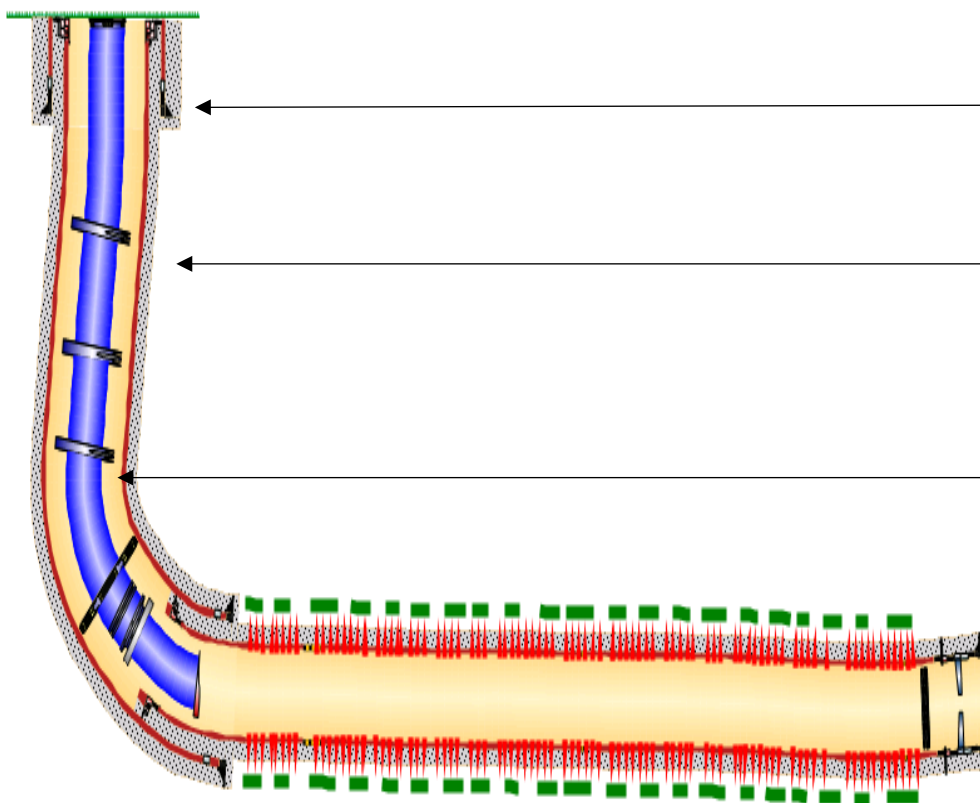
**Betonne Tsoie Wash Unit 507H**

API: 30-045-38231
 SHL: SWNE G-34-23N-08W
 1480' FNL x 2348' FEL

Elevation: 6834' GL
 Spud Date: 07/14/2021
 Completed Date: 05/07/2022

CURRENT WELLBORE

FORMATION	MD	TVD
Ojo Alamo	618'	618'
Kirtland	769'	769'
Fruitland	975'	972'
Pictured Cliffs	1246'	1237'
Lewis	1401'	1389'
Chacra	1979'	1954'
Menefee	2742'	2699'
Point Lookout	3714'	3649'
Mancos	3871'	3803'
KOP~	4139'	4032'
Gallup	4687'	4585'
Target	4906'	4744'



Hole 1:	12.25"	Depth:	364'
Csg:	9.625" 36# J55 STC	Set:	0-335'
Cement:	0-335'	Circ:	12 bbls to surface
Hole 2:	8.75"	Depth:	361'-5338'
Csg:	7" 26# J55 STC	Set:	0-5328'
Cement:	0-5328'	Circ:	52 bbls to surface
Tubing:	2.875" 6.5# L80 STC		
EOT:	5251'		
GLVs:	1629' 2969' 4115'		
Hole 3:	6.125"	Depth:	5338'-11713'
Csg:	4.5" 11.6# P110 BTC	Set:	5050'-11709'
Cement:	5050'-11709'	Circ:	38 bbls to surface
Perf:	21 Stages	Frac:	21 Stages
3 spf .35" Diameter		35,227	bbls of fluid
Depth:	5484'-11639' MD	6,478,307	lbs of proppant
	4915'-4880' TVD	57,722,578	scf of N2
Total of 735 Open Holes			

	LAT.	LONG.
SHL:	36.186562	107.667876
FTP:	36.188095	107.666389
LTP:	36.200551	107.681459
BHL:	36.200661	107.681594

BHL: SENE H-28-23N-08W
 1650' FNL x 1136' FEL

11713' TD
 4899' TVD
 11693' PBTD
 11673' 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 145562

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 145562
	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 145562

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 145562
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/12/2023