

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 30-045-38242	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 509H

II. ¹⁰ Surface Location

Ul or lot no. G	Section 34	Township 23N	Range 08W	Lot Idn	Feet from the 1486'	North/South Line North	Feet from the 2367'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. J	Section 28	Township 23N	Range 08W	Lot Idn	Feet from the 2399'	North/South line South	Feet from the 1478'	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 07/13/21	²² Ready Date 05/04/22	²³ TD 10,586' MD 4,868' TVD	²⁴ PBDT 10,568' MD 4,868' TVD	²⁵ Perforations 5,435'-10,511' MD 4,869'- 4,874' TVD Frac Sleeve @ 10,546'	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		5,136'	615
6.125		4.5" 11.6# P110		TOL: 4,943' BOL: 10,582'	477
		2.875" 6.5# L80 Tubing		5,085'	

V. Well Test Data

³¹ Date New Oil 05/06/22	³² Gas Delivery Date 05/19/22	³³ Test Date 05/07/22	³⁴ Test Length 24	³⁵ Tbg. Pressure 545	³⁶ Csg. Pressure 1100
³⁷ Choke Size 48/64	³⁸ Oil 325	³⁹ Water 1342	⁴⁰ Gas 1273		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>1/25/2023</i>	
E-mail Address: sford@djrlle.com			
Date: 05/31/22	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, 2011Submit one copy to appropriate
District OfficeOIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505☒ AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38242	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 509H
⁷ GRID 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		1486'	NORTH	2367'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

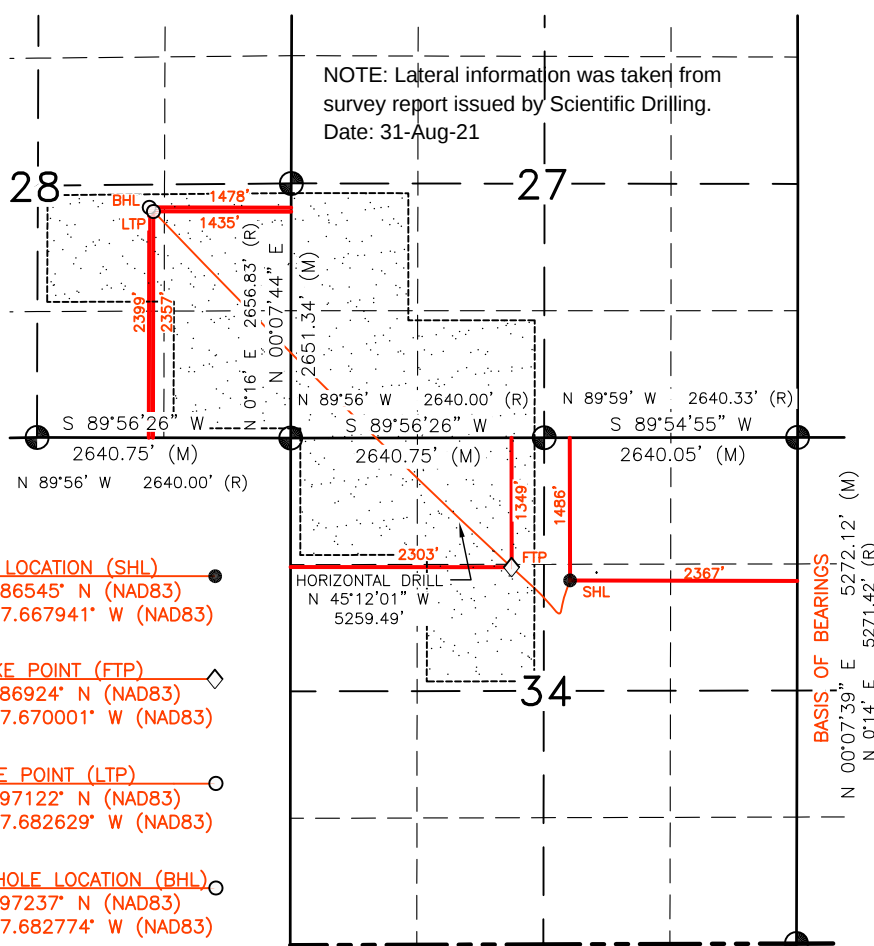
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	28	23N	8W		2399'	SOUTH	1478'	EAST	SAN JUAN

¹² Dedicated Acres
PENETRATED SPACING UNIT;
SEC 34: SE/NW, NE/NW & NW/NW (120 AC.);
SEC 27: SE/SW, SW/SW & NW/SW (120 AC.);
SE/SE, NE/SE & NW/SE (120 AC.) = 360 ACRES¹³ 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

FND 2 1/2" BC
GLO 1947

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.

AUGUST 31, 2021

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

11393



DJR

Betonne Tsoie Unit

G34 2308 Pad

#509H

End of Well Report



www.scientificdrilling.com

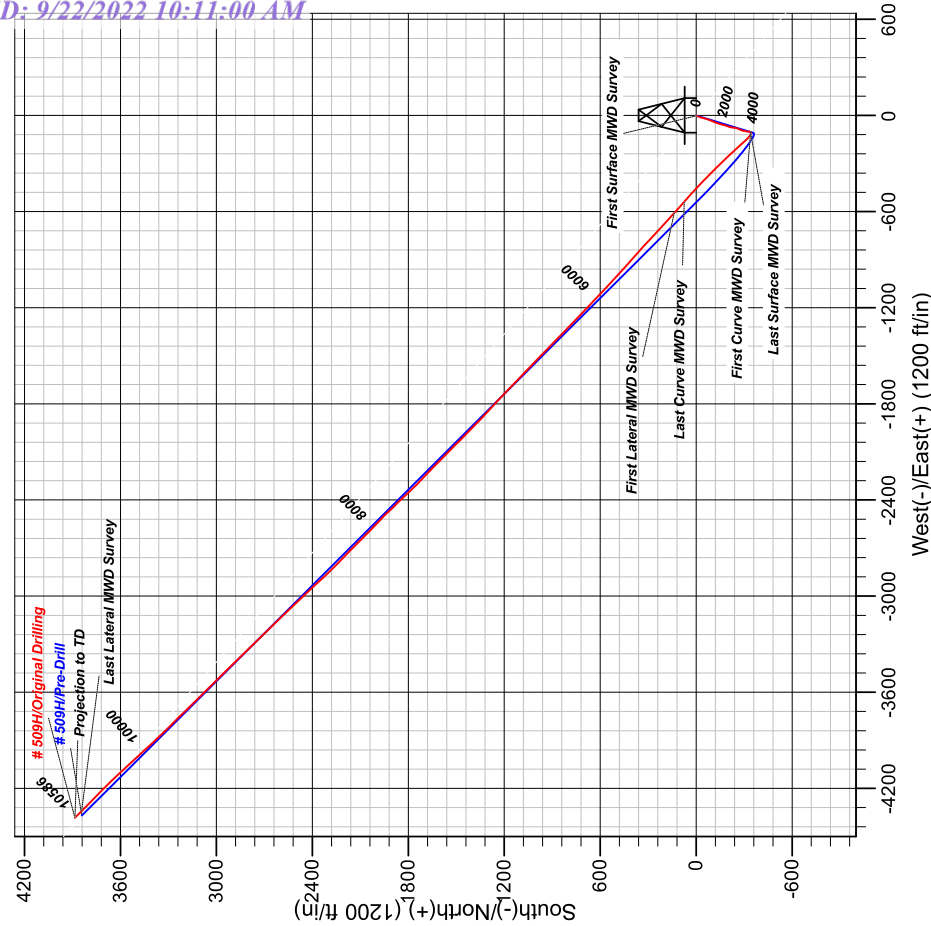
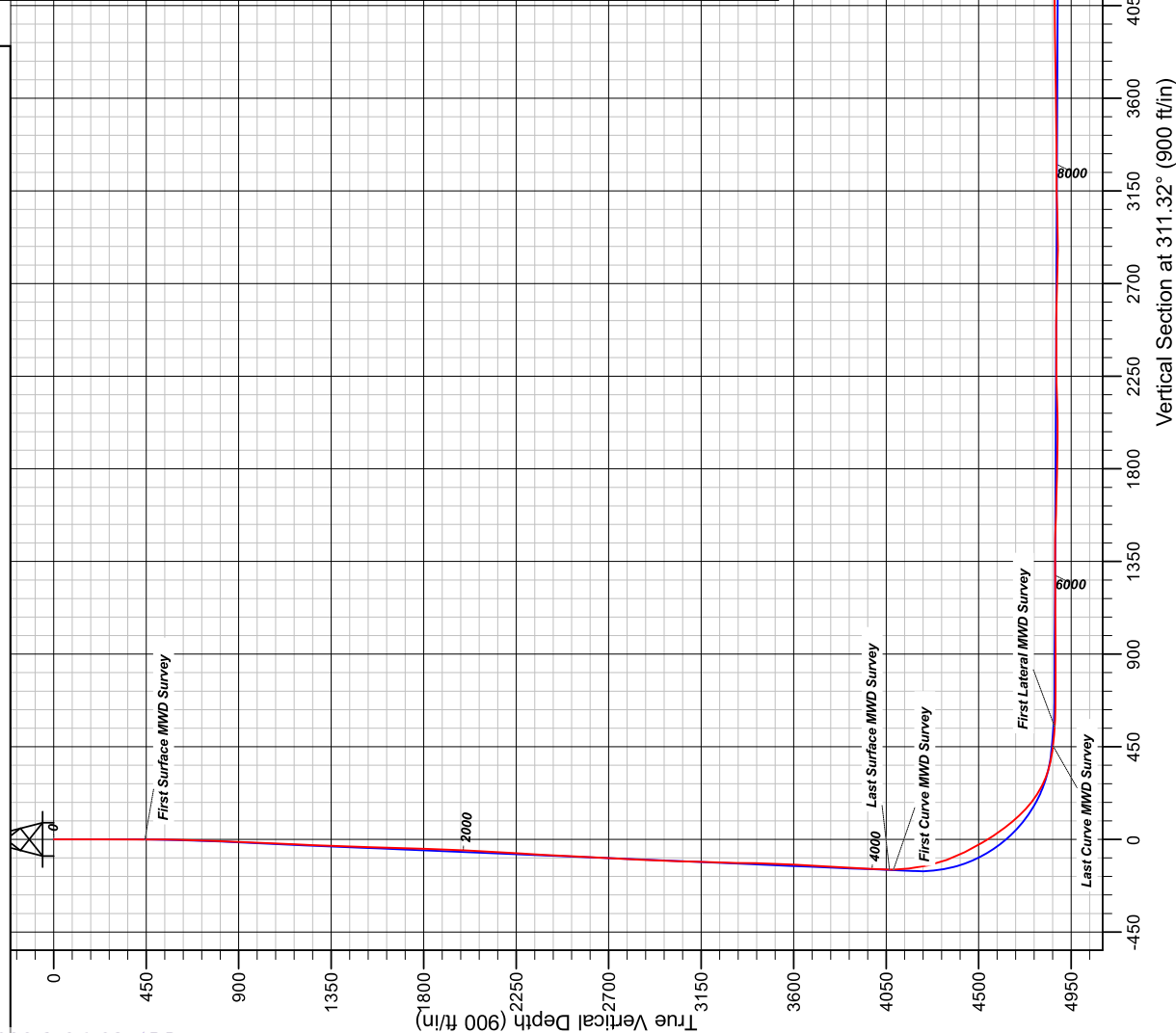


Company Name: DJR Operating
Project: Bettonnie Tsosie Unit
Site: G34.2308 Pad
Well: # 509H
Wellbore: Original Drilling



WELL DETAILS: # 509H

GL 6834 & RKB 26' @ 6860ft (H&P 443) 6834			
+N/-S	+E/-W	Northing	Longitude
0	0	1887241.15	-107.66794100
2			



Design: Original Drilling (# 509H/Original Drilling)
Created By: Janie Collins Date: 11:18, August 31 2021
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



DJR Operating

Betonne Tsoie Unit

G34 2308 Pad

509H - Slot 2

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 # 509H - Slot 2
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Well:	# 509H	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	# 509H - Slot 2		
Well Position	+N/-S	0 ft	Northing:
	+E/-W	0 ft	Easting:
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.18654500
		Longitude:	-107.66794100
		Ground Level:	6834 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	8/8/2021	8.57	62.68	49,158.60000000

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	311.32	

Survey Program	Date	8/31/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
444	4084	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4104	5171	Survey #2 - Cure MWD Survey (Original D	MWD+HDGM	OWSG MWD + HDGM	
5264	10,586	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	
444	1.18	211.25	444	-4	-2	-1	0.27	0.27	0.00	
536	2.02	212.81	536	-6	-4	-1	0.91	0.91	1.70	
628	3.68	198.56	628	-10	-6	-3	1.95	1.80	-15.49	
721	5.23	198.47	721	-17	-8	-5	1.67	1.67	-0.10	
813	5.85	199.92	812	-25	-11	-9	0.69	0.67	1.58	
904	5.45	194.08	903	-34	-13	-12	0.77	-0.44	-6.42	
998	5.65	197.64	996	-43	-16	-16	0.42	0.21	3.79	
1088	5.81	198.01	1086	-51	-19	-20	0.18	0.18	0.41	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 509H - Slot 2
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Well:	# 509H	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)	
1178	5.75	193.25	1175	-60	-21	-24	0.54	-0.07	-5.29	
1273	5.83	193.55	1270	-69	-23	-28	0.09	0.08	0.32	
1360	5.90	201.83	1356	-78	-26	-32	0.97	0.08	9.52	
1455	5.22	201.52	1451	-86	-29	-35	0.72	-0.72	-0.33	
1545	5.81	202.39	1541	-94	-33	-38	0.66	0.66	0.97	
1636	5.77	202.44	1631	-103	-36	-41	0.04	-0.04	0.05	
1725	5.16	205.93	1720	-111	-40	-43	0.78	-0.69	3.92	
1818	6.18	203.37	1812	-119	-43	-46	1.13	1.10	-2.75	
1912	5.75	200.51	1906	-128	-47	-49	0.56	-0.46	-3.04	
2006	6.97	193.01	1999	-138	-50	-54	1.57	1.30	-7.98	
2101	7.06	198.12	2093	-149	-53	-59	0.66	0.09	5.38	
2196	7.50	197.58	2188	-161	-57	-63	0.47	0.46	-0.57	
2291	8.35	194.43	2282	-173	-60	-69	1.00	0.89	-3.32	
2386	7.01	196.20	2376	-185	-64	-75	1.43	-1.41	1.86	
2481	7.31	200.97	2470	-197	-68	-79	0.70	0.32	5.02	
2576	6.32	192.95	2564	-207	-71	-84	1.44	-1.04	-8.44	
2671	7.05	192.87	2659	-218	-73	-89	0.77	0.77	-0.08	
2766	4.69	187.62	2753	-228	-75	-94	2.55	-2.48	-5.53	
2861	4.70	189.03	2848	-235	-76	-98	0.12	0.01	1.48	
2956	4.90	183.31	2943	-243	-77	-103	0.55	0.21	-6.02	
3051	4.72	201.99	3037	-251	-79	-107	1.65	-0.19	19.66	
3146	4.65	200.97	3132	-258	-82	-109	0.11	-0.07	-1.07	
3241	5.05	205.18	3227	-266	-85	-112	0.56	0.42	4.43	
3336	5.01	198.88	3321	-273	-88	-114	0.58	-0.04	-6.63	
3431	4.17	207.72	3416	-280	-91	-117	1.15	-0.88	9.31	
3526	4.64	197.17	3511	-287	-94	-119	0.98	0.49	-11.11	
3621	4.48	192.49	3605	-294	-96	-123	0.43	-0.17	-4.93	
3716	6.20	187.95	3700	-303	-97	-127	1.86	1.81	-4.78	
3811	6.33	188.29	3794	-313	-99	-133	0.14	0.14	0.36	
3906	6.53	185.56	3889	-324	-100	-139	0.38	0.21	-2.87	
4001	5.19	183.47	3983	-333	-101	-145	1.43	-1.41	-2.20	
4084	4.59	223.24	4066	-340	-103	-147	4.06	-0.72	47.92	
4104	5.54	244.70	4086	-341	-105	-146	10.51	4.75	107.26	
4179	7.18	274.29	4161	-342	-112	-141	4.81	2.19	39.45	
4274	12.11	304.42	4254	-336	-127	-127	7.26	5.19	31.72	
4369	20.42	315.89	4345	-318	-146	-100	9.34	8.75	12.07	
4465	26.94	319.01	4433	-290	-172	-62	6.91	6.79	3.25	
4560	30.69	316.81	4516	-256	-203	-16	4.10	3.95	-2.32	
4655	34.49	315.32	4596	-219	-239	35	4.09	4.00	-1.57	
4750	40.98	319.26	4672	-176	-278	92	7.28	6.83	4.15	
4845	48.50	315.54	4739	-127	-323	159	8.38	7.92	-3.92	
4892	54.00	313.70	4768	-101	-349	195	12.09	11.70	-3.91	
4940	59.53	313.59	4795	-74	-378	235	11.52	11.52	-0.23	



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 509H - Slot 2
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Well:	# 509H	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)	
4985	65.43	313.70	4816	-46	-407	275	13.11	13.11	0.24	
5035	71.12	313.74	4834	-14	-441	322	11.38	11.38	0.08	
5090	77.52	312.49	4849	22	-479	375	11.84	11.64	-2.27	
5171	83.67	310.91	4862	75	-539	455	7.83	7.59	-1.95	
5264	86.57	312.58	4870	137	-608	547	3.60	3.12	1.80	
5358	89.17	312.76	4874	201	-677	641	2.77	2.77	0.19	
5452	89.47	312.50	4875	264	-746	735	0.42	0.32	-0.28	
5547	90.09	312.58	4875	328	-816	830	0.66	0.65	0.08	
5641	90.18	312.06	4875	392	-886	924	0.56	0.10	-0.55	
5735	90.57	312.06	4874	455	-956	1018	0.41	0.41	0.00	
5829	90.57	311.97	4873	518	-1026	1112	0.10	0.00	-0.10	
5923	90.26	314.17	4873	582	-1094	1206	2.36	-0.33	2.34	
6017	90.26	313.11	4872	647	-1162	1300	1.13	0.00	-1.13	
6110	90.09	312.85	4872	710	-1230	1393	0.33	-0.18	-0.28	
6202	88.20	314.34	4873	774	-1297	1485	2.62	-2.05	1.62	
6294	88.20	314.00	4876	838	-1363	1577	0.37	0.00	-0.37	
6386	88.77	314.61	4879	902	-1429	1668	0.91	0.62	0.66	
6479	88.60	313.55	4881	966	-1495	1761	1.15	-0.18	-1.14	
6567	88.99	314.78	4883	1028	-1559	1849	1.47	0.44	1.40	
6660	88.59	314.25	4884	1093	-1625	1942	0.71	-0.43	-0.57	
6752	91.76	314.61	4884	1157	-1691	2034	3.47	3.45	0.39	
6845	91.58	313.20	4881	1222	-1758	2127	1.53	-0.19	-1.52	
6938	91.49	311.97	4879	1285	-1826	2220	1.33	-0.10	-1.32	
7030	89.69	313.11	4878	1347	-1894	2312	2.32	-1.96	1.24	
7122	90.40	314.96	4878	1411	-1960	2403	2.15	0.77	2.01	
7215	89.87	314.08	4878	1476	-2026	2496	1.10	-0.57	-0.95	
7307	88.86	315.40	4879	1541	-2092	2588	1.81	-1.10	1.43	
7399	88.68	314.78	4881	1606	-2156	2680	0.70	-0.20	-0.67	
7490	87.89	313.46	4883	1669	-2222	2771	1.69	-0.87	-1.45	
7582	89.56	313.99	4886	1733	-2288	2863	1.90	1.82	0.58	
7674	91.19	317.07	4885	1799	-2353	2954	3.79	1.77	3.35	
7765	91.67	316.45	4883	1865	-2415	3045	0.86	0.53	-0.68	
7857	91.27	315.40	4880	1931	-2479	3137	1.22	-0.43	-1.14	
7949	90.00	313.11	4879	1995	-2545	3229	2.85	-1.38	-2.49	
8041	90.79	315.66	4879	2059	-2611	3320	2.90	0.86	2.77	
8133	90.48	314.96	4878	2125	-2675	3412	0.83	-0.34	-0.76	
8225	89.47	312.94	4878	2189	-2742	3504	2.45	-1.10	-2.20	
8318	91.19	315.40	4877	2253	-2808	3597	3.23	1.85	2.65	
8409	91.19	317.15	4875	2319	-2871	3688	1.92	0.00	1.92	
8501	91.10	316.54	4873	2386	-2934	3779	0.67	-0.10	-0.66	
8593	91.36	316.28	4871	2453	-2997	3871	0.40	0.28	-0.28	
8686	89.87	317.24	4870	2521	-3061	3963	1.91	-1.60	1.03	
8778	90.00	316.36	4871	2588	-3124	4055	0.97	0.14	-0.96	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 509H - Slot 2
Project:	Betonnie Tsosie Unit	TVD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Well:	# 509H	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)	
8871	90.09	316.36	4870	2655	-3188	4148	0.10	0.10	0.00	
8962	90.26	315.84	4870	2721	-3251	4238	0.60	0.19	-0.57	
9054	90.57	315.48	4870	2786	-3316	4330	0.52	0.34	-0.39	
9147	89.56	315.83	4869	2853	-3381	4423	1.15	-1.09	0.38	
9239	89.67	315.31	4870	2919	-3445	4514	0.58	0.12	-0.57	
9332	90.26	315.05	4870	2985	-3511	4607	0.69	0.63	-0.28	
9424	89.30	316.01	4870	3050	-3575	4699	1.48	-1.04	1.04	
9515	89.69	315.75	4871	3116	-3638	4790	0.52	0.43	-0.29	
9608	90.26	315.40	4871	3182	-3704	4882	0.72	0.61	-0.38	
9699	90.57	314.96	4871	3246	-3768	4973	0.59	0.34	-0.48	
9791	90.00	316.45	4870	3312	-3832	5065	1.73	-0.62	1.62	
9884	90.79	315.75	4870	3379	-3896	5158	1.13	0.85	-0.75	
9976	89.47	317.86	4869	3446	-3959	5249	2.71	-1.43	2.29	
10,068	90.09	318.03	4870	3515	-4021	5341	0.70	0.67	0.18	
10,161	90.57	317.15	4869	3583	-4084	5433	1.08	0.52	-0.95	
10,252	89.08	315.75	4869	3649	-4146	5524	2.25	-1.64	-1.54	
10,344	89.56	315.05	4870	3715	-4211	5615	0.92	0.52	-0.76	
10,437	90.40	314.78	4871	3781	-4277	5708	0.95	0.90	-0.29	
10,526	91.10	314.08	4869	3843	-4340	5797	1.11	0.79	-0.79	
10,586	91.10	314.08	4868	3885	-4383	5857	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
444	444	-4	-2	First Surface MWD Survey	
4084	4066	-340	-103	Last Surface MWD Survey	
4104	4086	-341	-105	First Curve MWD Survey	
5171	4862	75	-539	Last Curve MWD Survey	
5264	4870	137	-608	First Lateral MWD Survey	
10,526	4869	3843	-4340	Last Lateral MWD Survey	
10,586	4868	3885	-4383	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.	Betonnies Tsosie Unit G34 2308 509H
County & State	San Juan, NM
SDI Job No.	OP.030128
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 444 feet to a measured depth of 5,171 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: 509H	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: 3004538242	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Subsequent Report

Sundry ID: 2670686

Type of Submission: Subsequent Report

Date Sundry Submitted: 05/09/2022

Date Operation Actually Began: 04/12/2022

Type of Action: Hydraulic Fracturing

Time Sundry Submitted: 09:20

Actual Procedure: Completion Sundry 3/25/22: PT 4.5" x 7" casing 2000 psi (5 min) bleed down 7" to 1000 psi, pressure up 4.5" to 7050 psi & hold (15 min). Pressure up to 7500 psi & hold (15 min). All test good & recorded on chart. Pressure up 4.5", Alpha sleeve shifted at 8523 psi. 4/12/22 to 4/15/22: Plug & Perf 17 stages. 3 spf with .35" diameter from 10511' to 5435' MD (4869' to 4874' TVD). Total of 595 open holes. Frac 17 stages with 28,084 bbls of fluid. 5,244,110 lbs of proppant. 44,705,023 scf of N2. Plugs set from 10233' to 5714'. Kill plug at 5228'. 5/2/22 to 5/3/22: MIRU AWS 812. NU BOP. PT pipe rams, flowback, blind rams high 4750 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. 5/4/22: PT BOP high 2000 psi, low 500 psi (30 min). Test good & recorded on chart. RIH with production string. Land 155 jts of 2.875" 6.5# L80 STC tubing. EOT: 5085'. 3 GLVs set at 4013' – 2904' – 1595'. TOH. 5/5/22: PT 2.875" tubing hanger, production tree high 5000 psi (30 min). Test good & recorded on chart. Turn well over to production. Rig AWS 812 released on 5/5/22.

Well Name: BETONNIE TSOSIE WASH UNIT	Well Location: T23N / R8W / SEC 34 / SWNE /	County or Parish/State:
Well Number: 509H	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: 3004538242	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 09:20 AM
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 509H	US Well Number 3004538242
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 10400061939

Section 1 - General

Well Completion Report Id:	Submission Date: 06-09-2022	
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: 07-13-2021		
Date Total Measured Depth Reached: 08-28-2021		
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		6834	599	599	USEABLE WATER	
KIRTLAND	SHALE		-750	750	751	NONE	

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 509H	US Well Number 3004538242
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 10400061939

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
FRUITLAND	COAL		-953	953	955	NATURAL GAS	
PICTURED CLIFFS	SANDSTONE		-1218	1218	1221	USEABLE WATER	
LEWIS	SHALE		-1370	1370	1373	NONE	
CHACRA	SANDSTONE		-1935	1935	1941	NONE	
MENEFEE	COAL, SANDSTONE		-2680	2680	2689	NATURAL GAS	
POINT LOOKOUT	SANDSTONE		-3640	3640	3642	NONE	
MANCOS	SHALE		-3784	3784	3797	NONE	
MANCOS	SILTSTONE		-4061	4061	4075	NATURAL GAS, OIL	
GALLUP	SILTSTONE		-4566	4566	4602	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4619	4619	4667	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4725	4725	4819	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4857	4857	5235	NATURAL GAS, OIL	

Completion and Completed

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 509H	US Well Number 3004538242
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 10400061939

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	05-04-2022	05-06-2022	GALLUP	5435	10511	Y	.35	595	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	28084	5244110	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 509H	US Well Number 3004538242
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 10400061939

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	05/07/2022	24	325	1273	1342	3916	48/64	545		1100

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	36.186545	-107.667941	6834	FEDERAL	NMNM50999				1486	FNL	2367	FEL	23N	8W	34	SWNE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.186545	-107.667941	6484	FEDERAL	NMNM50999				1486	FNL	2367	FEL	23N	8W	34	SWNE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.19305	-107.6777	1966	INDIAN	N0G14021905				0	FNL	0	FWL	23N	8W	28	SESE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.19063	-107.6748	1966	INDIAN	N0G14031951				0	FNL	0	FWL	23N	8W	27	SWSW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.187056	-107.670426	1979	FEDERAL	NMNM50999				1349	FNL	2303	FWL	23N	8W	34	NENW

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 509H	US Well Number 3004538242
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 10400061939

	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
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.197122	-107.682629	1966	INDIAN	N0G14021905				2357	FSL	1435	FEL	23N	8W	28	NWSE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.197237	-107.682774	1966	INDIAN	N0G14021905	4868	10568		2399	FSL	1478	FEL	23N	8W	28	NWSE

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		0
00	INTERMEDIATE	8.75	0	5136	7.0	26	J-55		LT&C		0
00	LINER	6.125	4943	10582	4.5	11.6	P-110		BUTT		0

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 509H	US Well Number 3004538242
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 10400061939

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	3710	217.6
00	LINER		G	477	1.56	4943					132.5

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		5085		6	L-80		ST&C	

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 Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 509H	US Well Number 3004538242
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 10400061939

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: 06/09/2022

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

509H_Certified_DD_Survey_20220609100055.pdf

509H_As_Drilled_Plat_WBD_BLM_20220609100129.pdf

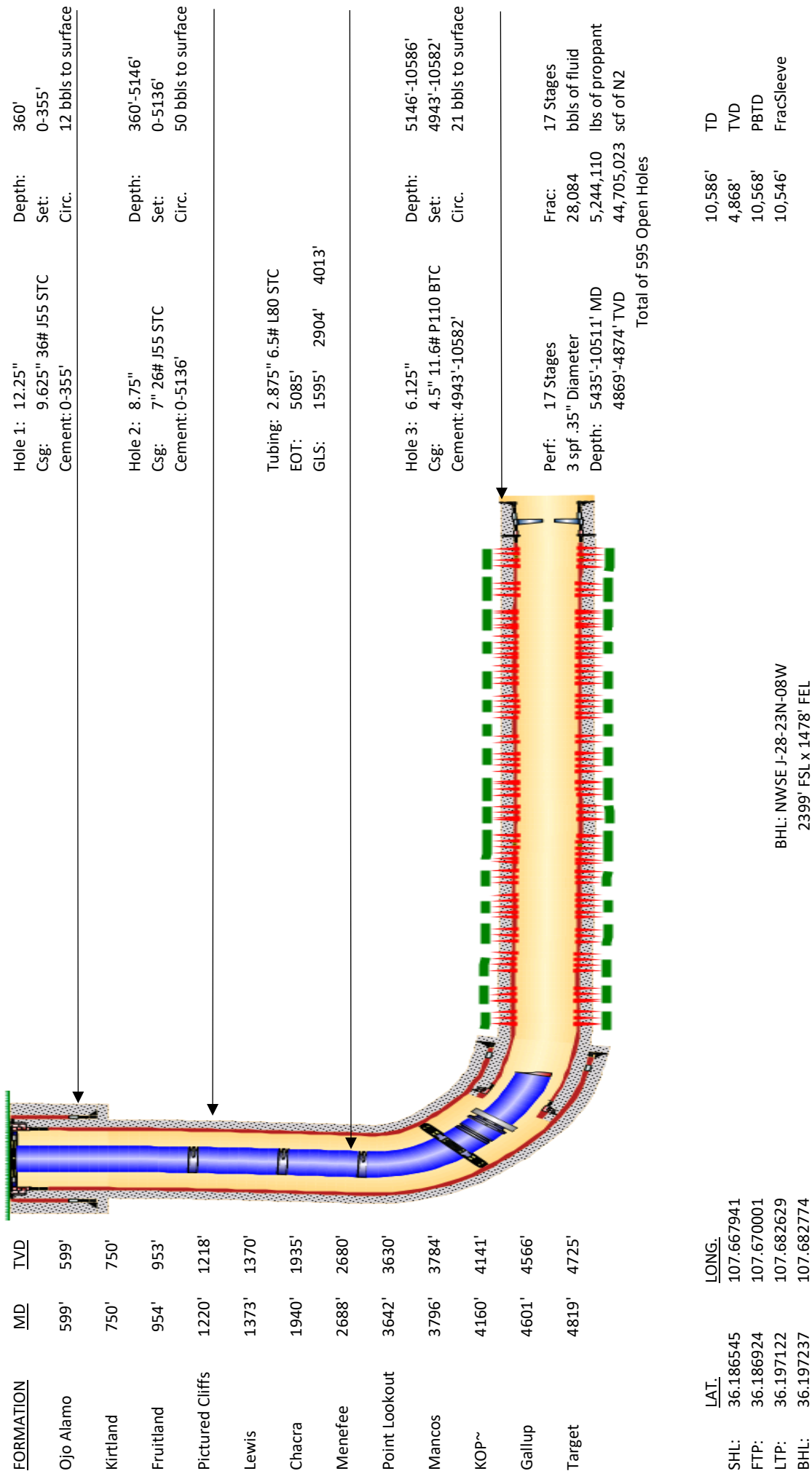


Betonnies Tsosie Wash Unit 509H

API: 30-045-38242
SHL: SWNE G-34-23N-08W
1486' FNL x 2367' FEL

Elevation: 6834' GL
Spud Date: 07/13/2021
Completed Date: 05/04/2022

CURRENT WELLBORE



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 145572

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 145572
	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 145572

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 145572
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/25/2023