

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address DJR Operating, LLC 1 Road 3263 Aztec, NM 87410		² OGRID Number 371838	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30-045-38241	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 505H

II. ¹⁰ Surface Location

Ul or lot no. E	Section 35	Township 23N	Range 08W	Lot Idn	Feet from the 1431'	North/South Line North	Feet from the 805'	East/West line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. A	Section 28	Township 23N	Range 08W	Lot Idn	Feet from the 819'	North/South line North	Feet from the 226'	East/West line East	County San Juan
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date 06/20/22		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 07/09/21	²² Ready Date 05/15/22	²³ TD 13,285' MD 4,995' TVD	²⁴ PBTD 13,267' MD 4,995' TVD	²⁵ Perforations 5,603'- 13,211' MD 4,984'- 4,995' TVD Frac Sleeve @ 13,240'	²⁶ DHC, MC	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
12.25		9.625" 36# J55		383'		109
8.75		7" 26# J55		5388'		607
6.125		4.5" 11.6# P110		TOL: 5,010' BOL: 13,281'		695
		2.875" 6.5# L80 Tubing		5,319'		

V. Well Test Data

³¹ Date New Oil 05/16/22	³² Gas Delivery Date 06/20/22	³³ Test Date 05/18/22	³⁴ Test Length 24	³⁵ Tbg. Pressure 594	³⁶ Csg. Pressure 1100
³⁷ Choke Size 36/64	³⁸ Oil 710	³⁹ Water 446	⁴⁰ Gas 1950		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		
Printed name: Shaw-Marie Ford			Approved by: <i>PATRICIA MARTINEZ</i>		
Title: Regulatory Specialist			Title: <i>PETROLEUM SPECIALIST</i>		
E-mail Address: sford@djrlle.com			Approval Date: <i>1/12/2023</i>		
Date: 07/06/22		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) 334-8178 Fax: (505) 334-8170**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 30-045-38241	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 505H
⁷ GRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6920'

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
E	35	23N	8W		1431'	NORTH	805'	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

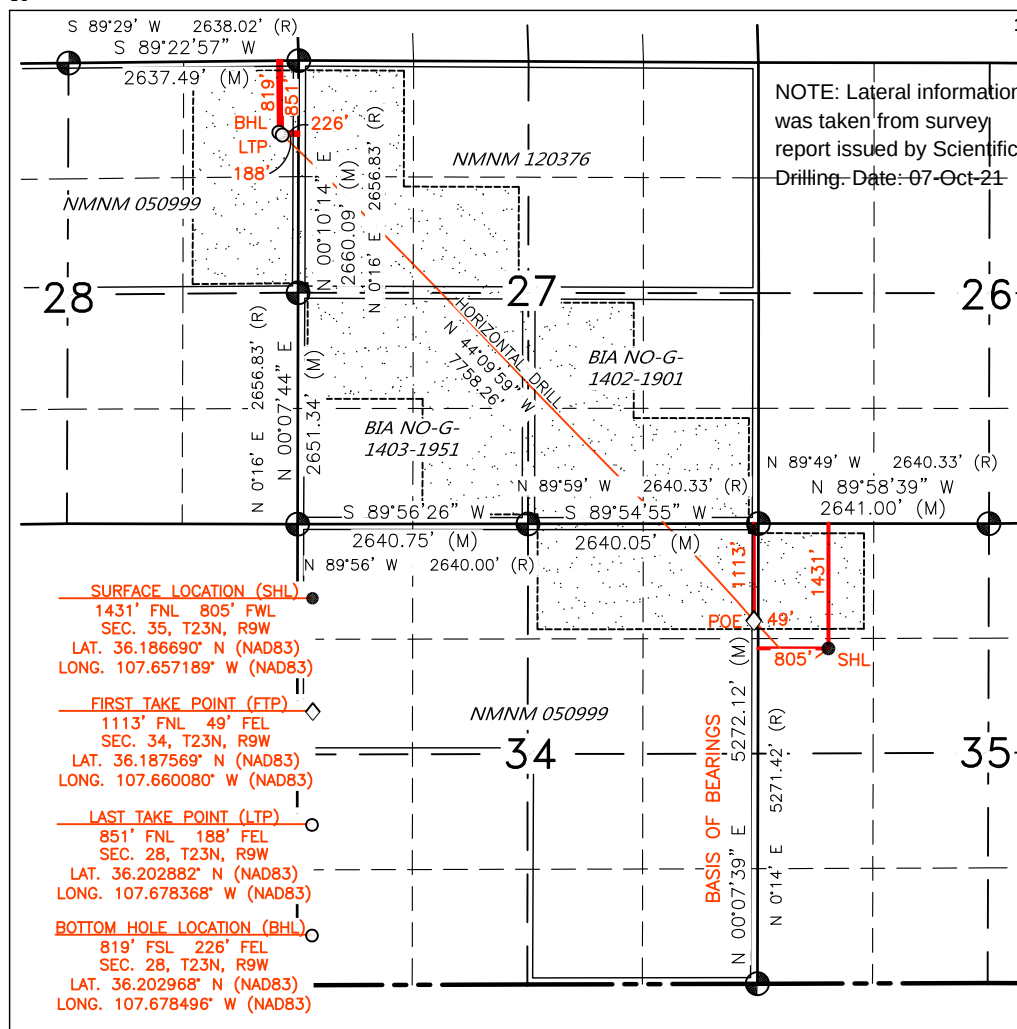
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	28	23N	8W		819'	NORTH	226'	EAST	SAN JUAN

¹² Dedicated Acres
PENETRATED SPACING UNIT;
SEC 35: NW/NW (40 AC.); SEC 34: NE/NE & NW/NE
(80 AC.); SEC 27: SE/SE, SW/SE, NW/SE, SE/SW,
NE/SW, NW/SW, SE/NW, SW/NW & NW/NW (360 AC.);
SEC 28: SE/NE & NE/NE (80 AC.) = 560 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



**Directional Survey Certification**

7237 Barton Drive
Casper, WY 82604
(307) 472-6621

Operator	DJR Energy
Well Name & No.	Betonnies Tsosie E35 2308 505H
County & State	San Juan, NM
SDI Job No.	OP.030513
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 5,473 feet to a measured depth of 13,285 feet is true and correct as determined from all available records.

A handwritten signature in blue ink, appearing to read 'Janie Collins', written over a horizontal line.

Signature

7-Oct-21

Date

Janie Collins

Contract Well Planner
Scientific Drilling International



DJR

Betonne Tsoie Unit

E35 2308 Pad

#505H

End of Well Report



www.scientificdrilling.com

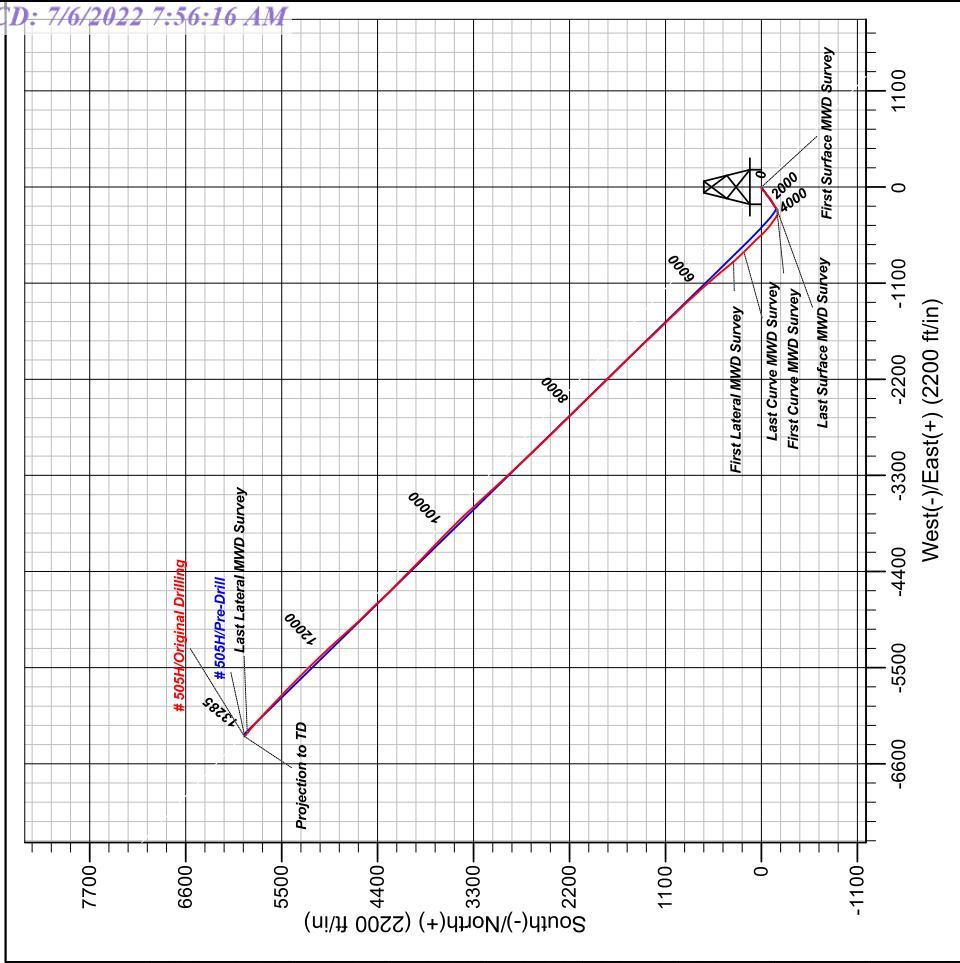
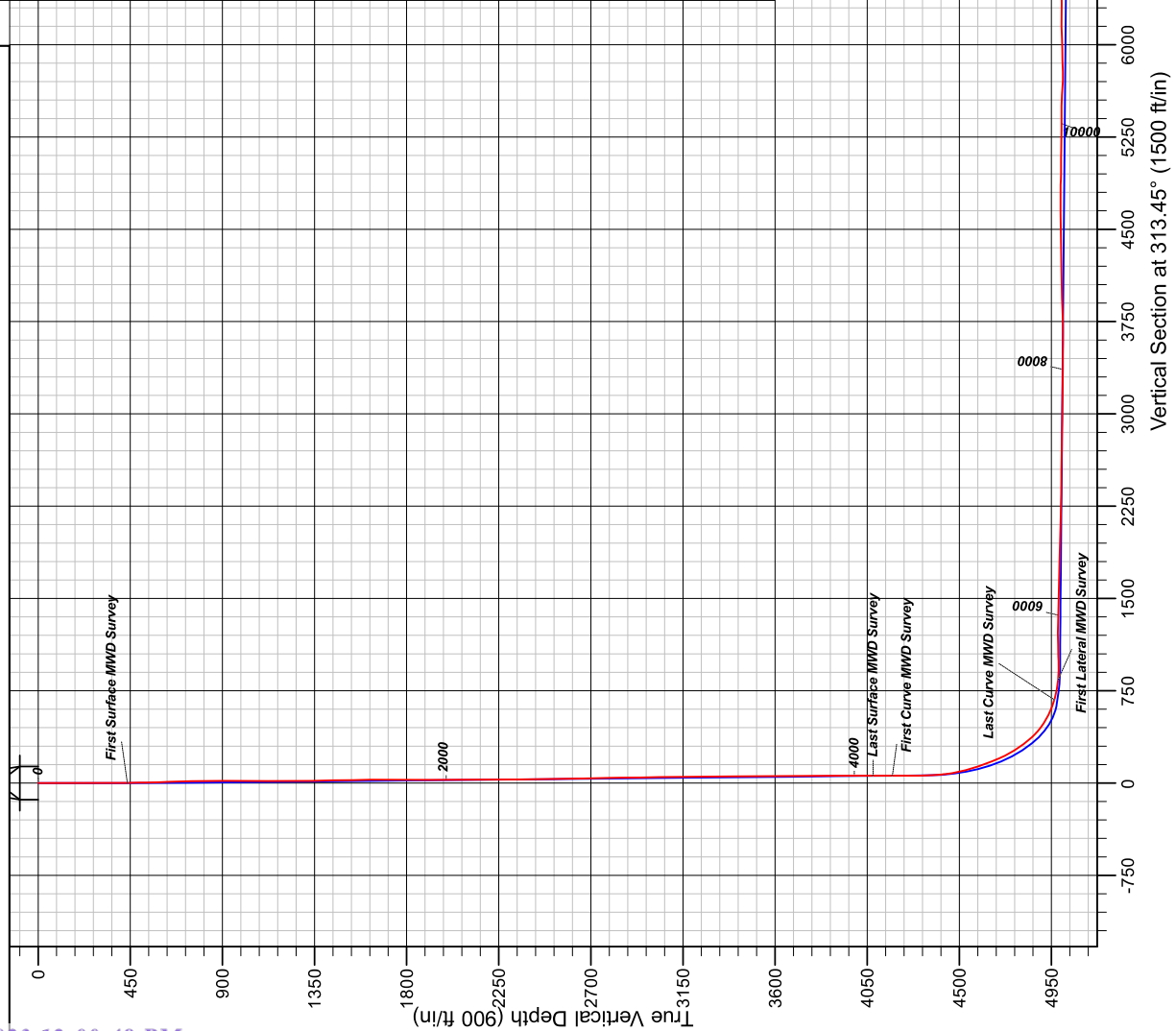


Company Name: DJR Operating
Project: Bettonnie Tsosie Unit
Site: E35 2308 Pad
Well: # 505H
Wellbore: Original Drilling



WELL DETAILS: # 505H

GL 6920 & RKB 26' @ 6946ft (H&P 443) 6920			
+N/-S	+E/-W	Northing	Longitude
0	0	1887299.52	-107.65718900
1			



Design: Original Drilling (# 505H/Original Drilling)
Created By: Janie Collins Date: 11:32, October 07 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
E35 2308 Pad
505H - Slot 1**

Original Drilling

Design: Original Drilling

Standard Survey Report

07 October, 2021



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 505H - Slot 1
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Site:	E35 2308 Pad	MD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Well:	# 505H	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	E35 2308 Pad		
Site Position:		Northing:	1,887,359.24 usft
From:	Lat/Long	Easting:	2,775,078.04 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.18685400
		Longitude:	-107.65716100
		Grid Convergence:	0.10 °

Well	# 505H - Slot 1		
Well Position	+N/-S	0 ft	Northing: 1,887,299.52 usft
	+E/-W	0 ft	Easting: 2,775,069.89 usft
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.18669000
		Longitude:	-107.65718900
		Ground Level:	6920 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	9/5/2021	8.57	62.68	49,147.40000000
	HDGM2021_FILE	10/3/2021	8.55	62.68	49,139.70000000

Design	Original Drilling			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0	0	0	313.45

Survey Program	Date	10/7/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
435	4092	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
4187	5309	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
5473	13,285	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
435	0.44	293.82	435	1	-2	2	0.10	0.10	0.00
496	1.41	281.86	496	1	-2	2	1.61	1.59	-19.61
587	3.96	271.84	587	1	-7	6	2.84	2.80	-11.01
680	6.16	256.38	680	0	-15	11	2.76	2.37	-16.62
772	7.21	244.77	771	-3	-25	16	1.85	1.14	-12.62
865	7.30	228.43	863	-10	-34	18	2.21	0.10	-17.57
957	6.16	215.42	955	-18	-42	18	2.06	-1.24	-14.14



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 505H - Slot 1
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Site:	E35 2308 Pad	MD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Well:	# 505H	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)	
1081	6.33	208.91	1078	-29	-49	15	0.59	0.14	-5.25	
1173	6.77	225.61	1169	-37	-55	14	2.12	0.48	18.15	
1265	5.80	240.03	1261	-44	-63	16	2.01	-1.05	15.67	
1357	5.89	240.20	1352	-48	-71	19	0.10	0.10	0.18	
1449	5.72	241.43	1444	-53	-79	21	0.23	-0.18	1.34	
1542	5.28	241.96	1536	-57	-87	24	0.48	-0.47	0.57	
1631	4.57	231.94	1625	-61	-94	26	1.25	-0.80	-11.26	
1724	4.31	218.93	1718	-66	-99	26	1.12	-0.28	-13.99	
1815	4.40	217.70	1808	-71	-103	26	0.14	0.10	-1.35	
1908	4.57	221.04	1901	-77	-108	25	0.34	0.18	3.59	
2002	5.01	226.14	1995	-83	-113	25	0.65	0.47	5.43	
2097	4.92	227.37	2089	-88	-119	26	0.15	-0.09	1.29	
2287	5.89	231.94	2279	-100	-133	28	0.56	0.51	2.41	
2382	6.24	233.00	2373	-106	-141	29	0.39	0.37	1.12	
2477	6.07	237.92	2468	-112	-149	31	0.58	-0.18	5.18	
2572	6.33	236.69	2562	-117	-158	34	0.31	0.27	-1.29	
2667	5.80	238.62	2656	-123	-166	36	0.60	-0.56	2.03	
2762	5.36	248.29	2751	-127	-174	39	1.09	-0.46	10.18	
2857	4.22	248.11	2846	-130	-182	43	1.20	-1.20	-0.19	
2952	4.48	240.73	2940	-133	-188	45	0.65	0.27	-7.77	
3047	4.04	241.43	3035	-136	-194	47	0.47	-0.46	0.74	
3142	4.22	240.03	3130	-140	-200	49	0.22	0.19	-1.47	
3236	4.40	236.86	3224	-143	-206	51	0.32	0.19	-3.37	
3332	3.43	234.23	3319	-147	-212	53	1.03	-1.01	-2.74	
3426	3.17	237.92	3413	-150	-216	54	0.36	-0.28	3.93	
3521	3.34	238.27	3508	-153	-221	55	0.18	0.18	0.37	
3616	2.81	247.59	3603	-155	-225	57	0.77	-0.56	9.81	
3711	3.17	226.67	3698	-158	-229	58	1.20	0.38	-22.02	
3807	4.04	226.49	3794	-162	-234	58	0.91	0.91	-0.19	
3902	4.22	224.38	3888	-167	-239	58	0.25	0.19	-2.22	
3997	2.81	234.05	3983	-171	-243	59	1.60	-1.48	10.18	
4092	2.11	226.32	4078	-173	-246	59	0.81	-0.74	-8.14	
4187	2.20	210.32	4173	-176	-248	59	0.64	0.09	-16.84	
4264	3.07	230.62	4250	-179	-251	59	1.64	1.13	26.36	
4359	6.59	248.64	4345	-182	-258	62	3.99	3.71	18.97	
4454	20.74	257.61	4437	-188	-279	74	15.02	14.89	9.44	
4549	24.83	291.88	4525	-184	-314	102	14.40	4.31	36.07	
4644	31.29	304.72	4608	-163	-353	145	9.28	6.80	13.52	
4739	34.63	307.70	4688	-132	-395	196	3.91	3.52	3.14	
4834	46.27	306.39	4760	-95	-444	257	12.28	12.25	-1.38	
4929	51.59	312.54	4823	-49	-499	328	7.42	5.60	6.47	
5024	61.30	318.69	4875	7	-554	407	11.55	10.22	6.47	
5119	69.87	315.70	4915	71	-613	494	9.46	9.02	-3.15	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 505H - Slot 1
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Site:	E35 2308 Pad	MD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Well:	# 505H	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)
5214	74.75	314.56	4943	135	-677	584	5.26	5.14	-1.20
5309	80.55	316.05	4964	201	-742	677	6.29	6.11	1.57
5473	86.54	318.17	4982	320	-853	839	3.87	3.65	1.29
5569	90.37	319.62	4985	392	-916	935	4.27	3.99	1.51
5663	91.34	320.11	4983	464	-977	1028	1.16	1.03	0.52
5758	90.57	320.05	4982	537	-1038	1123	0.81	-0.81	-0.06
5852	89.66	319.42	4982	609	-1098	1216	1.18	-0.97	-0.67
5945	89.60	319.22	4982	679	-1159	1309	0.22	-0.06	-0.22
6040	88.93	318.09	4983	751	-1222	1403	1.38	-0.71	-1.19
6135	89.23	317.55	4985	821	-1286	1498	0.65	0.32	-0.57
6229	89.63	316.29	4986	890	-1350	1592	1.41	0.43	-1.34
6324	88.79	314.43	4987	957	-1416	1687	2.15	-0.88	-1.96
6418	88.69	316.94	4989	1024	-1482	1780	2.67	-0.11	2.67
6512	89.29	316.50	4991	1093	-1547	1874	0.79	0.64	-0.47
6605	89.90	316.09	4992	1160	-1611	1967	0.79	0.66	-0.44
6699	88.76	314.83	4993	1227	-1677	2061	1.81	-1.21	-1.34
6793	88.39	317.40	4995	1295	-1742	2155	2.76	-0.39	2.73
6886	89.09	317.12	4997	1363	-1805	2248	0.81	0.75	-0.30
6980	89.77	316.24	4998	1431	-1869	2342	1.18	0.72	-0.94
7074	90.23	315.74	4998	1499	-1935	2436	0.72	0.49	-0.53
7168	89.77	316.06	4998	1567	-2000	2529	0.60	-0.49	0.34
7263	89.03	315.22	4999	1634	-2067	2624	1.18	-0.78	-0.88
7357	90.07	314.44	5000	1701	-2133	2718	1.38	1.11	-0.83
7451	88.79	316.07	5001	1767	-2199	2812	2.20	-1.36	1.73
7546	89.60	316.03	5002	1836	-2265	2907	0.85	0.85	-0.04
7639	89.66	314.70	5003	1902	-2331	3000	1.43	0.06	-1.43
7734	89.50	316.79	5003	1970	-2397	3095	2.21	-0.17	2.20
7828	89.77	315.91	5004	2038	-2462	3189	0.98	0.29	-0.94
7922	89.26	314.68	5005	2105	-2528	3283	1.42	-0.54	-1.31
8016	90.10	316.36	5005	2172	-2594	3377	2.00	0.89	1.79
8111	89.87	314.72	5005	2240	-2660	3472	1.74	-0.24	-1.73
8205	88.99	315.72	5006	2306	-2727	3566	1.42	-0.94	1.06
8298	90.47	315.99	5007	2373	-2791	3659	1.62	1.59	0.29
8392	90.67	315.16	5006	2440	-2857	3752	0.91	0.21	-0.88
8487	92.02	315.80	5003	2508	-2924	3847	1.57	1.42	0.67
8579	90.84	316.33	5001	2574	-2988	3939	1.41	-1.28	0.58
8671	90.17	316.49	5000	2641	-3051	4031	0.75	-0.73	0.17
8764	90.97	315.99	4999	2708	-3115	4124	1.01	0.86	-0.54
8856	90.40	317.22	4998	2775	-3179	4216	1.47	-0.62	1.34
8948	91.61	316.83	4997	2842	-3241	4308	1.38	1.32	-0.42
9041	90.03	317.99	4995	2911	-3304	4400	2.11	-1.70	1.25
9133	90.10	317.96	4995	2979	-3366	4492	0.08	0.08	-0.03
9225	90.60	318.47	4995	3048	-3427	4584	0.78	0.54	0.55
9318	89.53	317.09	4995	3116	-3490	4677	1.88	-1.15	-1.48



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 505H - Slot 1
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Site:	E35 2308 Pad	MD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Well:	# 505H	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)
9409	90.77	317.15	4994	3183	-3551	4767	1.36	1.36	0.07
9501	88.49	316.78	4995	3250	-3614	4859	2.51	-2.48	-0.40
9594	89.50	317.78	4997	3319	-3677	4952	1.53	1.09	1.08
9686	90.27	316.48	4997	3386	-3740	5044	1.64	0.84	-1.41
9778	89.06	316.02	4997	3453	-3804	5136	1.41	-1.32	-0.50
9869	89.26	314.88	4999	3517	-3867	5227	1.27	0.22	-1.25
9960	89.56	314.67	5000	3582	-3932	5318	0.40	0.33	-0.23
10,052	90.92	315.29	4999	3647	-3997	5410	1.62	1.48	0.67
10,144	89.09	313.21	4999	3711	-4063	5502	3.01	-1.99	-2.26
10,237	88.37	312.92	5001	3774	-4131	5594	0.83	-0.77	-0.31
10,329	87.79	314.41	5004	3838	-4197	5686	1.74	-0.63	1.62
10,421	90.67	315.61	5005	3903	-4262	5778	3.39	3.13	1.30
10,513	91.21	314.76	5004	3968	-4327	5870	1.09	0.59	-0.92
10,605	90.91	314.11	5002	4032	-4393	5962	0.78	-0.33	-0.71
10,697	90.87	313.13	5001	4096	-4459	6054	1.07	-0.04	-1.07
10,789	91.21	315.43	4999	4160	-4525	6146	2.53	0.37	2.50
10,882	89.03	313.18	4999	4225	-4592	6239	3.37	-2.34	-2.42
10,974	90.10	317.18	5000	4290	-4657	6331	4.50	1.16	4.35
11,065	90.34	316.59	4999	4357	-4719	6422	0.70	0.26	-0.65
11,157	90.54	316.90	4999	4424	-4782	6514	0.40	0.22	0.34
11,249	90.23	315.91	4998	4490	-4845	6606	1.13	-0.34	-1.08
11,342	89.60	314.54	4998	4556	-4911	6699	1.62	-0.68	-1.47
11,435	90.54	318.20	4998	4624	-4975	6792	4.06	1.01	3.94
11,528	90.30	317.29	4997	4692	-5038	6884	1.01	-0.26	-0.98
11,620	90.13	318.33	4997	4761	-5099	6976	1.15	-0.18	1.13
11,711	89.83	318.06	4997	4828	-5160	7067	0.44	-0.33	-0.30
11,804	89.69	318.36	4997	4898	-5222	7159	0.36	-0.15	0.32
11,895	90.07	317.48	4998	4965	-5283	7250	1.05	0.42	-0.97
11,987	90.20	316.60	4997	5033	-5346	7342	0.97	0.14	-0.96
12,079	89.63	316.12	4998	5099	-5409	7434	0.81	-0.62	-0.52
12,170	90.04	315.38	4998	5164	-5473	7525	0.93	0.45	-0.81
12,263	90.34	314.86	4997	5230	-5538	7618	0.65	0.32	-0.56
12,355	90.60	314.61	4997	5295	-5604	7710	0.39	0.28	-0.27
12,446	89.56	313.16	4997	5358	-5669	7801	1.96	-1.14	-1.59
12,538	90.34	315.10	4997	5422	-5735	7893	2.27	0.85	2.11
12,631	90.77	314.52	4996	5488	-5801	7986	0.78	0.46	-0.62
12,723	89.87	313.89	4995	5552	-5867	8078	1.19	-0.98	-0.68
12,815	89.93	313.09	4995	5615	-5934	8170	0.87	0.07	-0.87
12,907	90.54	313.05	4995	5678	-6001	8262	0.66	0.66	-0.04
13,000	90.84	312.39	4994	5741	-6069	8355	0.78	0.32	-0.71
13,092	89.16	310.60	4994	5802	-6138	8447	2.67	-1.83	-1.95
13,186	89.83	310.02	4995	5863	-6210	8540	0.94	0.71	-0.62
13,236	89.70	309.58	4995	5895	-6248	8590	0.92	-0.26	-0.88



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 505H - Slot 1
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Site:	E35 2308 Pad	MD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Well:	# 505H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,285	89.70	309.58	4995	5926	-6286	8639	0.00	0.00	0.00

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
435	435	1	-2	First Surface MWD Survey	
4092	4078	-173	-246	Last Surface MWD Survey	
4187	4173	-176	-248	First Curve MWD Survey	
5309	4964	201	-742	Last Curve MWD Survey	
5473	4982	320	-853	First Lateral MWD Survey	
13,236	4995	5895	-6248	Last Lateral MWD Survey	
13,285	4995	5926	-6286	Projection to TD	

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------



Betonne Tsosie Wash Unit 505H

API: 30-045-38241

SHL: SWNE E-35-23N-08W

1431' FNL x 805' FWL

Elevation: 6920'

Spud Date: 07/08/2021

Completed Date: 05/20/2022

AS DRILLED WELLBORE DIAGRAM

FORMATION	MD	TVD
-----------	----	-----

Ojo Alamo	697'	697'
-----------	------	------

Kirtland	830'	829'
----------	------	------

Fruitland	1105'	1103'
-----------	-------	-------

Pictured Cliffs	1380'	1376'
-----------------	-------	-------

Lewis	1529'	1524'
-------	-------	-------

Chacra	2080'	2073'
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Menefee	2826'	2815'
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Point Lookout	3761'	3745'
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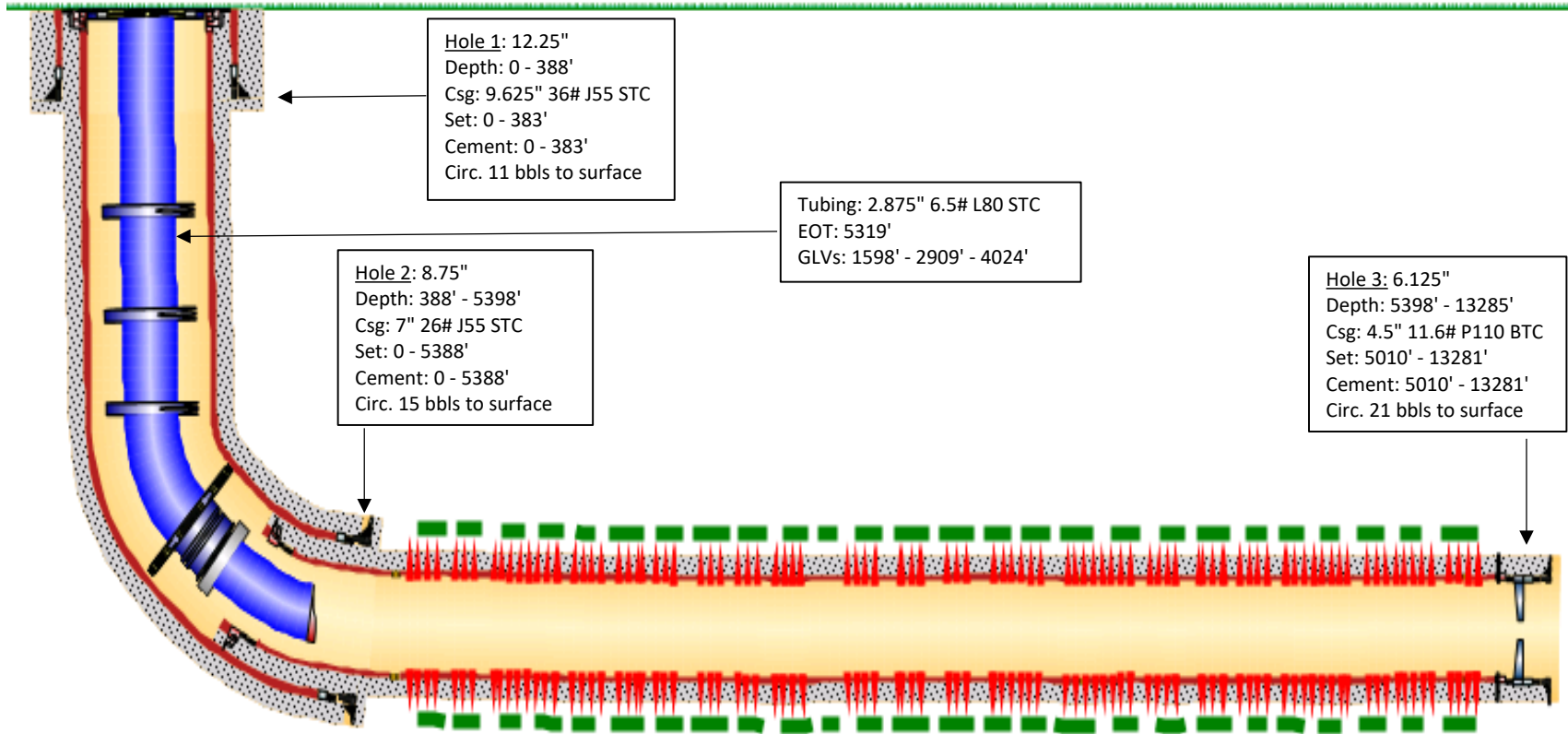
Mancos	3918'	3901'
--------	-------	-------

KOP~	4344'	4329'
------	-------	-------

Gallup	4719'	4681'
--------	-------	-------

Target	5360'	4979'
--------	-------	-------

	LAT.	LONG.
SHL:	36.186690	-107.657189
FTP:	36.187569	-107.660080
LTP:	36.202882	-107.678368
BHL:	36.202968	-107.678496



Perf:	26 Stages	Frac:	26 Stages
3 spf .35" Diameter		44,140	bbls of fluid
5603'-13211' MD		7,949,156	lbs of proppant
4995'-4984' TVD		70,131,208	scf of N2
Total of 910 Open Holes			

13285'	TD
4995'	TVD
13267'	PBTD
13240'	FracSleeve

BHL: SESE P-35-23N-08W
404' FSL x 1259' FEL

created by sford on 05/26/2022

Well Name: BETONNIE TSOSIE WASH UNIT	Well Location: T23N / R8W / SEC 35 / SWNW / 36.18669 / -107.657189	County or Parish/State: SAN JUAN / NM
Well Number: 505H	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: 3004538241	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Subsequent Report

Sundry ID: 2671870

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 05/16/2022	Time Sundry Submitted: 09:48
Date Operation Actually Began: 04/22/2022	

Actual Procedure: Completion Report 3/27/22: PT 4.5" x 7" casing 2K psi (5 min) bleed down 7" to 1K psi & hold (15 min). Pressure up 4.5" to 7K psi & hold (15 min). All tests good & recorded on chart. Alpha Sleeve shifted at 8743 psi. 4/22/22: PT Frac & Flowback iron as follows: Low pressure trip on all pumps. 1260 psi. Mid Test 4994 psi. High(s) 9335 psi & 9101 psi. Bleed down pump side and function test check valves. Bleed down pressure & isolate 505H zipper. Zero surface casing transducers & open to monitor. Open back sides to pump down & shut-in adjacent wings. Bump up 505H backside pressure to 900 psi. All test good & recorded on charts. 4/23/22 – 5/1/22: Plug & Perf 26 stages at 3 spf with .35" diameter from 13211' to 5603' MD (4995' to 4984' TVD). Total of 910 open holes. Frac 26 stages with 44,140 bbls of fluid. 7,949,156 lbs of proppant. 70,131,208 scf of N2. Plugs set from 12933' to 5864'. Kill plug at 5400'. 5/12/22 – MIRU AWS 812. Function test BOP. Install test joint into hanger. PT pipe rams, flowback, blind rams high 4800 psi (10 min) low 400 psi (5 min). Annular high 2500 psi (10 min) low 400 psi (5 min). All test good & recorded on chart. 5/13 – 5/14/22: TIH. Drill out plugs. TOH. 5/15/22: Change over tubing rams & PT high 2000 psi, low 250 psi (30 min). Test good & recorded on chart. RIH with production string. Land 162 jts of 2.875" 6.5# L80 STC tubing. EOT: 5319'. Three GLVs set at 4024' – 2909' – 1598'. TOH. ND BOP. NU production tree & PT high 5000 psi (30 min) Test good & recorded on chart. Turn well over to production. Rig AWS 812 released on 5/15/22.

Well Name: BETONNIE TSOSIE WASH UNIT	Well Location: T23N / R8W / SEC 35 / SWNW / 36.18669 / -107.657189	County or Parish/State: SAN JUAN / NM
Well Number: 505H	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: 3004538241	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 16, 2022 09:48 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: 06/03/2022
Signature: Kenneth Rennick	



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

Well Completion Print

06/27/2022

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 505H	US Well Number 3004538241
SHL SWNW Sec 35 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 502H, 503H, 504H, 505H	ID 10400062590

Section 1 - General

Well Completion Report Id: 85018**Submission Date:** N/A until DB**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?:****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:** 07-09-2021**Date Total Measured Depth Reached:** 09-27-2021**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		6920	697	697	USEABLE WATER	
KIRTLAND	SHALE		-829	829	830	NONE	

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 505H	US Well Number 3004538241
SHL SWNW Sec 35 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 502H, 503H, 504H, 505H	ID 10400062590

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
FRUITLAND	COAL		-1103	1103	1105	NATURAL GAS	
PICTURED CLIFFS	SANDSTONE		-1376	1376	1380	USEABLE WATER	
LEWIS	SHALE		-1524	1524	1529	NONE	
CHACRA	SANDSTONE		-2073	2073	2080	NONE	
MENEFEE	COAL, SANDSTONE		-2815	2815	2826	NATURAL GAS	
POINT LOOKOUT	SANDSTONE		-3745	3745	3761	NONE	
MANCOS	SHALE		-3901	3901	3918	NONE	
MANCOS	SILTSTONE		-4178	4178	4196	NATURAL GAS, OIL	
GALLUP	SILTSTONE		-4681	4681	4719	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4734	4734	4784	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4840	4840	4934	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4979	4979	5360	NATURAL GAS, OIL	

Completion and Completed

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 505H	US Well Number 3004538241
SHL SWNW Sec 35 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 502H, 503H, 504H, 505H	ID 10400062590

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	05-12-2022	05-16-2022	GALLUP	5603	13211	Y	.35	910	OPEN

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	44140	7949156	Chemical Disclosure uploaded to FracFocus on 05/03/22

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	

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 505H	US Well Number 3004538241
SHL SWNW Sec 35 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 502H, 503H, 504H, 505H	ID 10400062590

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	05/18/2022	24	710	1950	446	2746	36/64	594		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	36.18669	-107.657189	6920	FEDERAL	NMNM76842				1431	FNL	805	FWL	23N	8W	35	SWNW
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.18669	-107.657189	6570	FEDERAL	NMNM76842				1431	FNL	805	FWL	23N	8W	35	SWNW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.197904	-107.672302	1925	FEDERAL	NMNM120376				0	FSL	0	FWL	23N	8W	27	NWNW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.19502	-107.66883	1925	INDIAN	N0G14031951				0	FSL	0	FWL	23N	8W	27	NESW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.187569	-107.66008	1936	FEDERAL	NMNM50999				1113	FNL	49	FEL	23N	8W	34	NENE

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 505H	US Well Number 3004538241
SHL SWNW Sec 35 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 502H, 503H, 504H, 505H	ID 10400062590

	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	36.190627	-107.663545	1925	INDIAN	N0G14031901				0	FSL	0	FEL	23N	8W	27	NESW
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.202882	-107.678368	1925	FEDERAL	NMNM50999				851	FNL	188	FEL	23N	8W	28	NENE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.202968	-107.678496	1925	FEDERAL	NMNM50999				819	FNL	226	FEL	23N	8W	28	NENE

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	383	9.625	36	J-55		ST&C		

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 505H	US Well Number 3004538241
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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 502H, 503H, 504H, 505H	ID 10400062590

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	INTERMEDIATE	8.75	0	5388	7.0	26	J-55		LT&C		
00	LINER	6.125	5010	13281	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		III	377	2.32	0	Poz/G	230	1.5	3782	217.2
00	LINER		Poz/G	695	1.56	5010					193.1

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		5319	5010	6	L-80		ST&C	

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 505H	US Well Number 3004538241
SHL SWNW Sec 35 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 502H, 503H, 504H, 505H	ID 10400062590

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:** 06/24/2022**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 505H	US Well Number 3004538241
SHL SWNW Sec 35 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 502H, 503H, 504H, 505H	ID 10400062590

505H_Certified_DD_Survey_20220624135533.pdf

505H_As_Drilled_WBD___C102_20220624135544.pdf

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 122959

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 122959
	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
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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 122959

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 122959
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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