

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 30-045-38239	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 503H

II. ¹⁰ Surface Location

Ul or lot no. E	Section 35	Township 23N	Range 08W	Lot Idn	Feet from the 1391'	North/South Line North	Feet from the 811'	East/West line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. M	Section 22	Township 23N	Range 08W	Lot Idn	Feet from the 59'	North/South line South	Feet from the 754'	East/West line West	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 07/07/21	²² Ready Date 05/12/22	²³ TD 13,056' MD 5,024' TVD	²⁴ PBTD 13,035' MD 5,024' TVD	²⁵ Perforations 5,650'- 12,980' MD 5,009'- 5,026' TVD Frac Sleeve @ 13,008'	²⁶ DHC, MC	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
12.25		9.625" 36# J55		385'		109
8.75		7" 26# J55		5,496'		618
6.125		4.5" 11.6# P110		TOL: 5,116' BOL: 13,049'		666
		2.875" 6.5# L80 STC Tubing		5,414'		

V. Well Test Data

³¹ Date New Oil 05/14/22	³² Gas Delivery Date 06/20/2022	³³ Test Date 05/16/22	³⁴ Test Length 24	³⁵ Tbg. Pressure 499	³⁶ Csg. Pressure 1071
³⁷ Choke Size 42/64	³⁸ Oil 299	³⁹ Water 628	⁴⁰ Gas 1514		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: 07/05/22	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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38239	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 503H
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		1391'	NORTH	811'	WEST	SAN JUAN

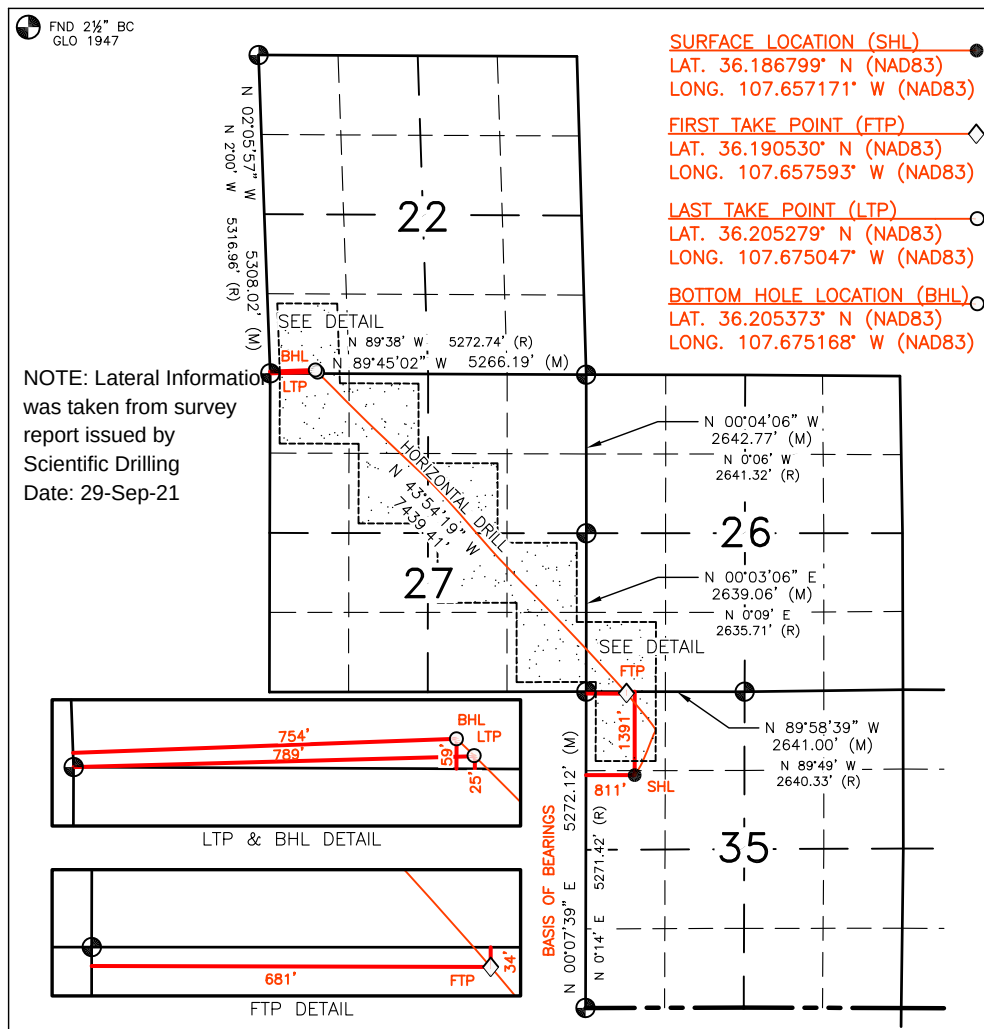
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	22	23N	8W		59'	SOUTH	754'	WEST	SAN JUAN

¹² Dedicated Acres SEC 35: NW/NW (40 AC.); SEC 26: SW/SW (40 AC.); SEC 27: SE/SE, NE/SE, NW/SE, SW/NE, SE/NW, NE/NW & NW/NW (280 AC.); SEC 22: SW/SW (40 AC.) = 400 ACRES	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13930 R-13930A
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Shaw-Marie Ford 03/21/22
Signature Date

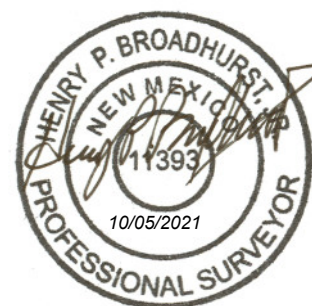
Shaw-Marie Ford
Printed Name
sford@djrlc.com
E-mail Address

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.

OCTOBER 5, 2021

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number 11393

**Directional Survey Certification**

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

Operator	DJR Energy
Well Name & No.	Betonnies Tsosie E35 2308 503H
County & State	San Juan, NM
SDI Job No.	OP.030639
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 5,561 feet to a measured depth of 13,056 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

29-Sep-21

Date

Janie Collins

Contract Well Planner
Scientific Drilling International



DJR

Betonne Tsoie Unit

E35 2308 Pad

#503H

End of Well Report



www.scientificdrilling.com

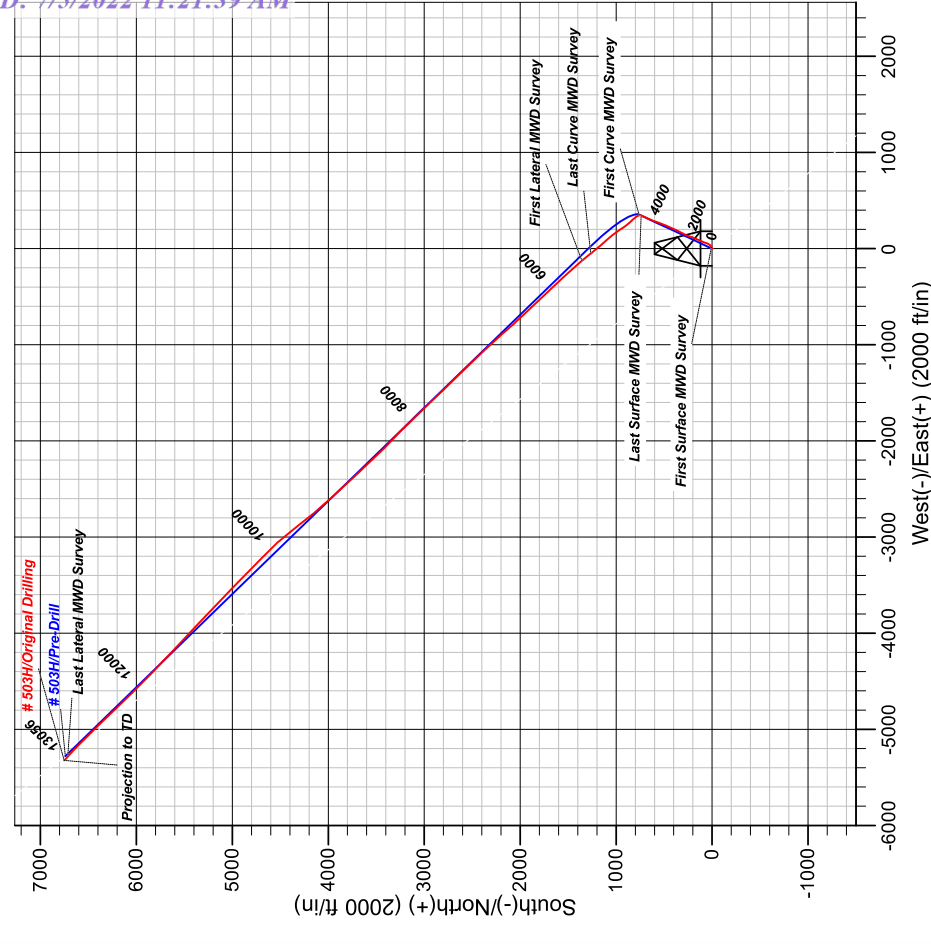
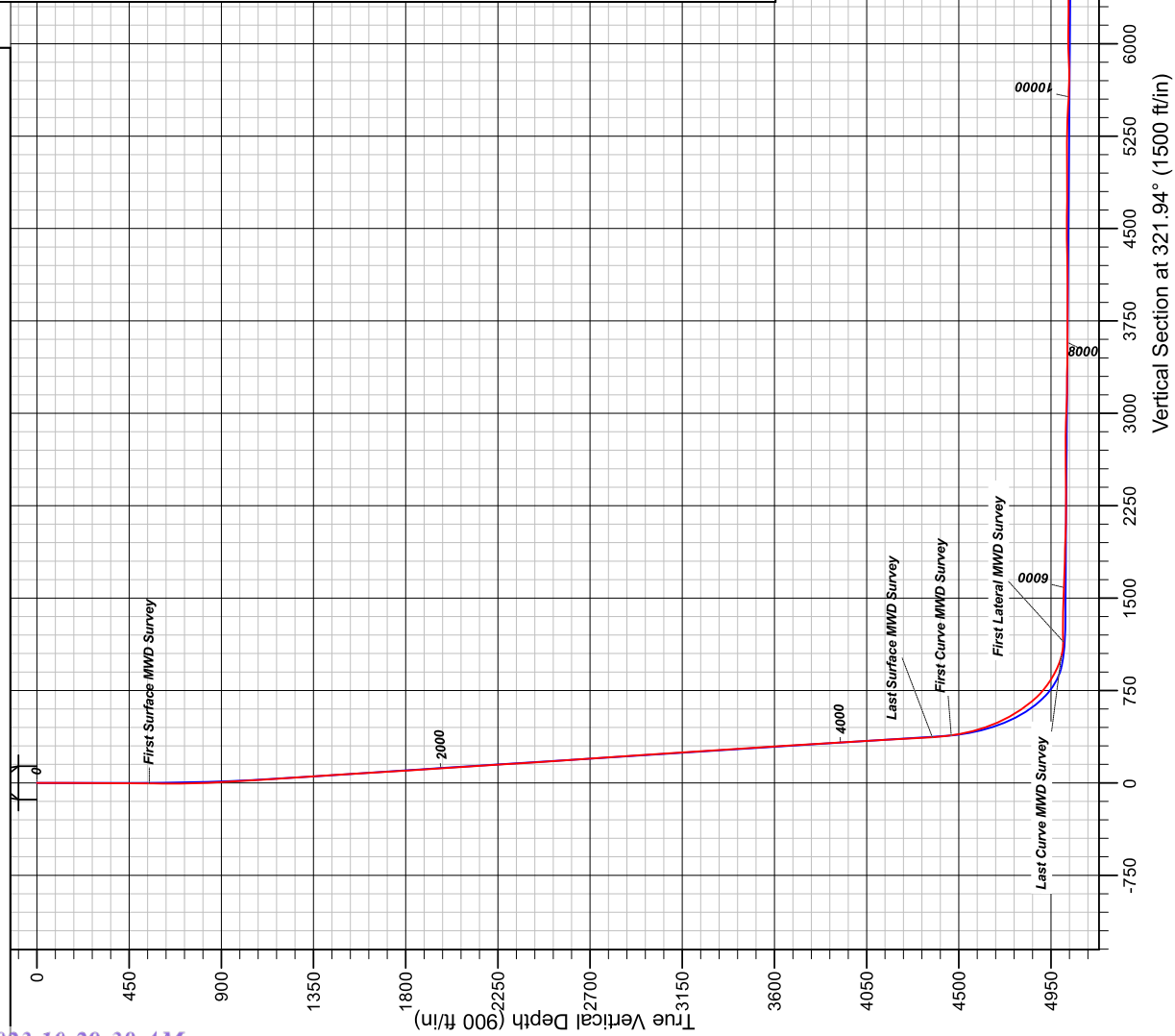


Company Name: DJR Operating
Project: Bettonnie Tsosie Unit
Site: E35 2308 Pad
Well: # 503H
Wellbore: Original Drilling



WELL DETAILS: # 503H

GL 6920 & RKB 26' @ 6946ft (H&P 443) 6920			
+N/-S	+E/-W	Northing	Longitude
0	0	1887339.21	-107.65717100
3			



Design: Original Drilling (# 503H/Original Drilling)

Created By: Janie Collins Date: 12:50, September 29 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
503H - Slot 3**

Original Drilling

Design: Original Drilling

Standard Survey Report

29 September, 2021



www.scientificdrilling.com



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 3
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:	# 503H	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	# 503H - Slot 3		
Well Position	+N/-S	0 ft	Northing:
	+E/-W	0 ft	Easting:
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.18679900
		Longitude:	-107.65717100
		Ground Level:	6920 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	9/14/2021	8.57	62.68	49,144.90000000
	HDGM2021_FILE	9/26/2021	8.55	62.68	49,141.60000000

Design	Original Drilling			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0	0	0	321.94

Survey Program	Date	9/29/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
548	4457	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
4552	5442	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
5561	13,056	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	
548	3.78	68.16	548	7	17	-5	0.69	0.69	0.00	
640	8.44	52.52	639	12	25	-6	5.33	5.07	-17.00	
732	9.15	42.32	730	21	35	-5	1.86	0.77	-11.09	
825	10.20	34.06	822	34	45	-1	1.87	1.13	-8.88	
918	11.08	21.93	913	49	53	6	2.58	0.95	-13.04	
1011	11.26	20.52	1004	66	59	15	0.35	0.19	-1.52	
1103	11.87	17.89	1094	83	65	25	0.88	0.66	-2.86	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 3
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:	# 503H	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)	
1195	12.57	24.74	1184	101	72	35	1.75	0.76	7.45	
1287	12.93	24.92	1274	120	81	44	0.39	0.39	0.20	
1379	12.84	23.16	1364	138	89	54	0.44	-0.10	-1.91	
1472	13.63	24.57	1454	158	98	64	0.92	0.85	1.52	
1564	11.70	24.74	1544	176	106	73	2.10	-2.10	0.18	
1654	11.08	21.23	1632	193	113	82	1.03	-0.69	-3.90	
1747	9.76	15.43	1724	208	119	91	1.81	-1.42	-6.24	
1838	11.78	17.71	1813	225	124	101	2.27	2.22	2.51	
1930	12.31	21.93	1903	243	130	111	1.12	0.58	4.59	
2025	11.78	20.00	1996	261	137	121	0.70	-0.56	-2.03	
2120	12.57	25.97	2089	280	145	131	1.56	0.83	6.28	
2215	13.28	26.32	2181	299	154	140	0.75	0.75	0.37	
2309	13.19	27.03	2273	318	164	149	0.20	-0.10	0.76	
2404	13.89	25.62	2365	338	174	159	0.81	0.74	-1.48	
2499	14.68	27.03	2457	359	184	169	0.91	0.83	1.48	
2594	15.65	26.32	2549	381	195	180	1.04	1.02	-0.75	
2689	15.65	26.50	2641	404	207	191	0.05	0.00	0.19	
2784	14.07	25.62	2732	426	218	201	1.68	-1.66	-0.93	
2879	12.93	25.27	2825	446	227	211	1.20	-1.20	-0.37	
2974	12.05	25.80	2918	465	236	220	0.93	-0.93	0.56	
3069	11.70	18.59	3011	483	243	230	1.60	-0.37	-7.59	
3164	11.87	16.66	3104	501	249	241	0.45	0.18	-2.03	
3259	11.87	19.47	3196	520	255	252	0.61	0.00	2.96	
3354	12.22	19.29	3289	538	262	262	0.37	0.37	-0.19	
3449	11.26	19.64	3382	557	268	273	1.01	-1.01	0.37	
3544	11.52	21.40	3476	574	275	283	0.46	0.27	1.85	
3639	11.52	19.82	3569	592	282	292	0.33	0.00	-1.66	
3734	10.38	20.35	3662	609	288	302	1.20	-1.20	0.56	
3829	11.26	24.04	3755	625	294	311	1.18	0.93	3.88	
3924	12.40	22.28	3848	643	302	320	1.26	1.20	-1.85	
4019	12.49	24.39	3941	662	310	330	0.49	0.09	2.22	
4114	12.57	26.15	4034	681	319	339	0.41	0.08	1.85	
4209	11.26	25.62	4127	698	328	348	1.38	-1.38	-0.56	
4304	10.29	23.16	4220	714	335	356	1.13	-1.02	-2.59	
4399	11.43	22.98	4313	731	342	365	1.20	1.20	-0.19	
4457	10.81	21.00	4370	741	346	370	1.26	-1.07	-3.41	
4552	14.68	349.80	4463	762	347	386	8.17	4.07	-32.84	
4647	22.54	328.71	4553	789	336	414	10.77	8.27	-22.20	
4742	30.41	314.82	4638	822	309	456	10.49	8.28	-14.62	
4837	38.94	317.90	4716	861	272	510	9.16	8.98	3.24	
4932	48.00	323.96	4785	912	231	575	10.49	9.54	6.38	
5026	52.43	328.10	4845	972	191	647	5.80	4.71	4.40	
5122	60.56	320.10	4898	1036	144	727	10.94	8.47	-8.33	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 3
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:	# 503H	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)
5216	68.29	318.87	4939	1100	89	812	8.31	8.22	-1.31
5311	72.02	319.13	4971	1168	30	901	3.93	3.93	0.27
5406	79.28	320.45	4994	1238	-29	993	7.76	7.64	1.39
5442	81.61	321.77	5000	1266	-52	1028	7.41	6.47	3.67
5561	90.30	319.92	5009	1358	-127	1147	7.47	7.30	-1.55
5656	89.93	319.00	5009	1430	-188	1242	1.04	-0.39	-0.97
5750	89.87	318.55	5009	1501	-250	1336	0.48	-0.06	-0.48
5844	89.63	317.71	5009	1571	-313	1430	0.93	-0.26	-0.89
5938	87.92	315.33	5011	1639	-378	1523	3.12	-1.82	-2.53
6032	88.93	316.47	5014	1706	-443	1617	1.62	1.07	1.21
6127	88.82	315.87	5016	1775	-509	1711	0.64	-0.12	-0.63
6221	89.40	317.25	5017	1843	-573	1805	1.59	0.62	1.47
6316	89.16	317.42	5018	1913	-638	1899	0.31	-0.25	0.18
6411	89.03	317.24	5020	1983	-702	1994	0.23	-0.14	-0.19
6504	88.79	317.05	5022	2051	-765	2087	0.33	-0.26	-0.20
6598	89.80	319.00	5023	2121	-828	2180	2.34	1.07	2.07
6691	89.26	318.69	5024	2191	-889	2273	0.67	-0.58	-0.33
6785	90.57	317.48	5024	2261	-952	2367	1.90	1.39	-1.29
6878	90.81	316.82	5023	2329	-1016	2460	0.76	0.26	-0.71
6972	90.71	316.96	5021	2398	-1080	2553	0.18	-0.11	0.15
7066	90.07	316.51	5021	2466	-1144	2647	0.83	-0.68	-0.48
7161	89.70	316.07	5021	2535	-1210	2742	0.61	-0.39	-0.46
7255	89.43	315.84	5022	2602	-1275	2835	0.38	-0.29	-0.24
7350	88.86	316.04	5023	2670	-1341	2929	0.64	-0.60	0.21
7444	88.79	315.69	5025	2738	-1407	3023	0.38	-0.07	-0.37
7538	88.62	316.45	5027	2806	-1472	3116	0.83	-0.18	0.81
7632	90.00	316.51	5028	2874	-1537	3210	1.47	1.47	0.06
7727	89.70	315.64	5028	2942	-1603	3304	0.97	-0.32	-0.92
7820	89.50	315.78	5029	3009	-1667	3397	0.26	-0.22	0.15
7915	89.46	315.65	5030	3077	-1734	3491	0.14	-0.04	-0.14
8008	90.34	316.42	5030	3144	-1798	3584	1.26	0.95	0.83
8103	90.30	316.15	5030	3212	-1864	3678	0.29	-0.04	-0.28
8197	90.13	314.55	5029	3279	-1930	3772	1.71	-0.18	-1.70
8289	89.19	313.16	5030	3343	-1996	3863	1.82	-1.02	-1.51
8382	89.56	314.98	5031	3408	-2063	3955	2.00	0.40	1.96
8474	90.74	316.93	5031	3474	-2127	4046	2.48	1.28	2.12
8566	90.44	316.09	5030	3540	-2190	4138	0.97	-0.33	-0.91
8658	90.34	316.37	5029	3607	-2254	4230	0.32	-0.11	0.30
8751	90.47	316.62	5028	3674	-2318	4322	0.30	0.14	0.27
8843	90.47	317.25	5028	3742	-2381	4414	0.68	0.00	0.68
8936	89.83	317.15	5027	3810	-2444	4506	0.70	-0.69	-0.11
9028	89.83	317.18	5028	3877	-2507	4598	0.03	0.00	0.03
9119	89.76	317.72	5028	3944	-2568	4689	0.60	-0.08	0.59
9211	89.53	318.22	5028	4013	-2630	4781	0.60	-0.25	0.54



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 3
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:	# 503H	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)
9304	89.60	318.84	5029	4082	-2691	4873	0.67	0.08	0.67
9396	91.04	320.27	5029	4152	-2751	4965	2.21	1.57	1.55
9488	90.34	321.93	5028	4224	-2809	5057	1.96	-0.76	1.80
9579	90.13	321.82	5027	4296	-2865	5148	0.26	-0.23	-0.12
9671	89.50	320.76	5027	4367	-2923	5240	1.34	-0.68	-1.15
9763	89.13	320.72	5029	4439	-2981	5332	0.40	-0.40	-0.04
9854	87.38	319.87	5031	4509	-3039	5423	2.14	-1.92	-0.93
9947	88.35	316.08	5035	4578	-3101	5516	4.20	1.04	-4.08
10,040	89.43	314.81	5037	4644	-3166	5608	1.79	1.16	-1.37
10,131	89.29	314.74	5038	4708	-3231	5699	0.17	-0.15	-0.08
10,223	90.77	314.34	5038	4772	-3296	5790	1.67	1.61	-0.43
10,316	91.18	313.85	5036	4837	-3363	5882	0.69	0.44	-0.53
10,408	91.38	314.20	5034	4901	-3429	5973	0.44	0.22	0.38
10,499	89.26	314.22	5033	4964	-3495	6063	2.33	-2.33	0.02
10,592	89.40	314.34	5035	5029	-3561	6155	0.20	0.15	0.13
10,684	89.56	314.12	5035	5094	-3627	6247	0.30	0.17	-0.24
10,776	89.97	313.88	5036	5157	-3693	6338	0.52	0.45	-0.26
10,867	90.74	314.46	5035	5221	-3759	6428	1.06	0.85	0.64
10,959	90.17	313.39	5034	5285	-3825	6519	1.32	-0.62	-1.16
11,052	89.60	312.35	5035	5348	-3893	6611	1.28	-0.61	-1.12
11,145	89.73	313.09	5035	5411	-3961	6703	0.81	0.14	0.80
11,238	90.20	313.06	5035	5475	-4029	6794	0.51	0.51	-0.03
11,330	90.64	312.99	5035	5537	-4096	6885	0.48	0.48	-0.08
11,422	89.77	313.59	5034	5600	-4163	6976	1.15	-0.95	0.65
11,514	90.40	314.43	5034	5664	-4230	7067	1.14	0.68	0.91
11,606	90.20	313.75	5034	5728	-4296	7159	0.77	-0.22	-0.74
11,697	90.17	312.81	5033	5791	-4362	7249	1.03	-0.03	-1.03
11,789	90.37	315.01	5033	5855	-4428	7340	2.40	0.22	2.39
11,881	90.34	315.18	5032	5920	-4493	7431	0.19	-0.03	0.18
11,973	90.07	314.32	5032	5984	-4559	7522	0.98	-0.29	-0.93
12,065	90.54	316.06	5031	6050	-4623	7614	1.96	0.51	1.89
12,156	89.63	314.82	5031	6115	-4687	7704	1.69	-1.00	-1.36
12,248	89.50	315.43	5032	6180	-4752	7795	0.68	-0.14	0.66
12,341	90.77	317.18	5032	6247	-4816	7888	2.32	1.37	1.88
12,433	90.87	316.63	5031	6314	-4879	7980	0.61	0.11	-0.60
12,525	90.67	315.65	5029	6381	-4943	8071	1.09	-0.22	-1.07
12,618	90.91	315.68	5028	6447	-5008	8163	0.26	0.26	0.03
12,710	91.01	315.14	5026	6513	-5072	8255	0.60	0.11	-0.59
12,802	90.03	314.46	5026	6577	-5138	8346	1.30	-1.07	-0.74
12,896	90.13	313.37	5025	6643	-5205	8439	1.16	0.11	-1.16
12,990	90.50	313.10	5025	6707	-5274	8532	0.49	0.39	-0.29
13,006	90.50	313.13	5025	6718	-5286	8548	0.19	0.00	0.19
13,056	90.50	313.13	5024	6752	-5322	8597	0.00	0.00	0.00



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 3
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:	# 503H	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)

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
503H 85° Casing	0.00	0.00	5004	1258	33	1,888,597.44	2,775,106.19	36.19025532	-107.65705799
- hit/miss target									
- Shape									
- Point									
- actual wellpath misses target center by 63ft at 5384ft MD (4990 TVD, 1222 N, -16 E)									
503H Heel	0.00	0.00	5019	1443	-131	1,888,781.87	2,774,941.44	36.19076280	-107.65761520
- actual wellpath misses target center by 53ft at 5629ft MD (5009 TVD, 1409 N, -170 E)									
- Circle (radius 50)									
503H Toe	0.00	0.00	5054	6741	-5278	1,894,070.96	2,769,784.82	36.20531680	-107.67506160
- actual wellpath misses target center by 38ft at 13006ft MD (5025 TVD, 6718 N, -5286 E)									
- Circle (radius 100)									

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
548	548	7	17	First Surface MWD Survey	
4457	4370	741	346	Last Surface MWD Survey	
4552	4463	762	347	First Curve MWD Survey	
5442	5000	1266	-52	Last Curve MWD Survey	
5561	5009	1358	-127	First Lateral MWD Survey	
13,006	5025	6718	-5286	Last Lateral MWD Survey	
13,056	5024	6752	-5322	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____



Bettonie Tsosie Wash Unit 503H

API: 30-045-38239

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

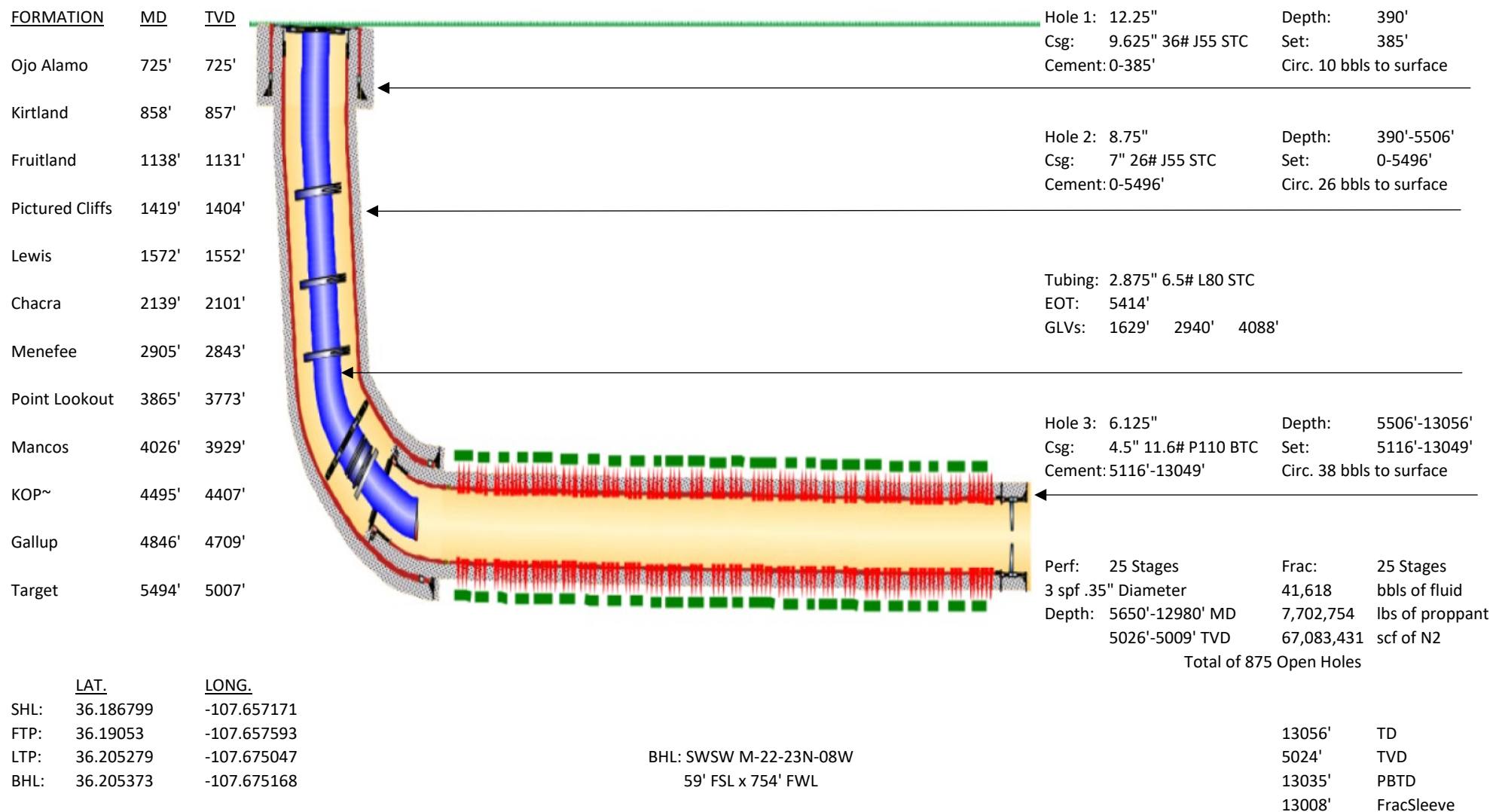
1391' FNL x 811' FWL

Elevation: 6920'

Spud Date: 07/07/2021

Completed Date: 05/12/2022

CURRENT WELLBORE



Well Name: BETONNIE TSOSIE WASH UNIT	Well Location: T23N / R8W / SEC 35 / SWNW / 36.186799 / -107.657171	County or Parish/State: SAN JUAN / NM
Well Number: 503H	Type of Well: OIL WELL	Allottee or Tribe Name: NAVAJO NATION
Lease Number: NOG14021886	Unit or CA Name:	Unit or CA Number: NMNM135219A
US Well Number: 3004538239	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Subsequent Report

Sundry ID: 2671854

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 05/16/2022	Time Sundry Submitted: 09:05
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 8837 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 503H zipper. Zero surface casing transducers & open to monitor. Open back sides to pump down & shut-in adjacent wings. Bump up 503H backside pressure to 900 psi. All test good & recorded on charts. 4/23/22 - 4/30/22: Plug & Perf 25 stages at 3 spf with .35" diameter from 12980' to 5650' MD (5026' to 5009' TVD). Total of 875 open holes. Plugs set from 12692' to 5927'. Kill plug at 5445'. PT N2 lines to 9440 psi (Good Test) Frac 25 stages with 41,618 bbls of fluid. 7,702,754 lbs of proppant. 67,083,431 scf of N2. 5/9/22: MIRU AWS 812. Function test BOP. Install test joint into hanger. PT pipe rams, flowback, blind rams high 5000 psi (10 min), low 400 psi (5 min). Annular high 2500 psi (10 min) low 400 psi (5 min). All test good and recorded on chart. 5/10 - 5/11/22: TIH. Drill out Plugs. TOH. 5/12/22: Change over tubing rams & PT high 2000 psi, low 250 psi (30 min). Test good & recorded on chart. RIH production string. Land 165 jts of 2.875" 6.5# L80 STC tubing. EOT: 5414'. Three GLVs set at 4088' – 2940' – 1629'. 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 5/13/22.

Well Name: BETONNIE TSOSIE WASH UNIT	Well Location: T23N / R8W / SEC 35 / SWNW / 36.186799 / -107.657171	County or Parish/State: SAN JUAN / NM
Well Number: 503H	Type of Well: OIL WELL	Allottee or Tribe Name: NAVAJO NATION
Lease Number: N0G14021886	Unit or CA Name:	Unit or CA Number: NMNM135219A
US Well Number: 3004538239	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 09:05 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 503H	US Well Number 3004538239
SHL SWNW Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) NOG14021886
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 10400062557

Section 1 - General

Well Completion Report Id: 85014**Submission Date:** N/A until DB**BLM Office:** Farmington Field Office**User:** SHAW-MARIE FORD**Title:** Regulatory Specialist**Federal/Indian:** INDIAN**Lease Number:** NOG14021886**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:** 07-07-2021**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	725	725	USEABLE WATER	
KIRTLAND	SHALE		-857	857	858	NONE	

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 503H	US Well Number 3004538239
SHL SWNW Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) NOG14021886
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 10400062557

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
FRUITLAND	COAL		-1131	1131	1138	NATURAL GAS	
PICTURED CLIFFS	SANDSTONE		-1404	1404	1419	USEABLE WATER	
LEWIS	SHALE		-1552	1552	1572	NONE	
CHACRA	SANDSTONE		-2101	2101	2139	NONE	
MENEFEE	COAL, SANDSTONE		-2843	2843	2905	NATURAL GAS	
POINT LOOKOUT	SANDSTONE		-3773	3773	3865	NONE	
MANCOS	SHALE		-3929	3929	4026	NONE	
MANCOS	SILTSTONE		-4206	4206	4312	NATURAL GAS, OIL	
GALLUP	SILTSTONE		-4709	4709	4846	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4762	4762	4912	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4868	4868	5063	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-5007	5007	5494	NATURAL GAS, OIL	

Completion and Completed

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 503H	US Well Number 3004538239
SHL SWNW Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) NOG14021886
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 10400062557

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	NOG14021886	NEW		POW	05-12-2022	05-14-2022	GALLUP	5650	12980	Y	.35	875	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	41618	7702754	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 503H	US Well Number 3004538239
SHL SWNW Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) NOG14021886
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 10400062557

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	05/16/2022	24	299	1514	628	5063	42/64	499		1071

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	36.186799	-107.657171	6920	FEDERAL	NMNM76842			1391	FNL	811	FWL	23N	8W	35	SWNW
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.186799	-107.657171	6570	FEDERAL	NMNM76842			1391	FNL	811	FWL	23N	8W	35	SWNW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.197891	-107.666158	1896	FEDERAL	NMNM120376			0	FSL	0	FEL	23N	8W	27	SWNE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.192662	-107.659892	1896	INDIAN	NOG14031901			0	FSL	0	FEL	23N	8W	27	SESE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.19053	-107.657593	1911	INDIAN	NOG14021886			34	FSL	681	FWL	23N	8W	26	SWSW

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 503H	US Well Number 3004538239
SHL SWNW Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) NOG14021886
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 10400062557

	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	36.205279	-107.675047	1896	FEDERAL	NMNM 50999				25	FSL	789	FWL	23N	8W	22	SWSW
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.205373	-107.675168	1896	FEDERAL	NMNM 50999				59	FSL	754	FWL	23N	8W	22	SWSW

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	385	9.625	36	J-55		ST&C		
00	INTERMEDIATE	8.75	0	5496	7.0	26	J-55		LT&C		
00	LINER	6.125	5116	13049	4.5	11.6	P-110		BUTT		

Operator Name DJR OPERATING LLC	Well Name BETONNIE TSOSIE WASH UNIT	Well Number 503H	US Well Number 3004538239
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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 10400062557

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	394	2.32	0	G	224	1.5	4027	222.6
00	LINER		Poz/G	666	1.56	5116					185

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		5414	5116	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 503H	US Well Number 3004538239
SHL SWNW Sec 35 23N 8W	County SAN JUAN	State NM	Lease Number(s) NOG14021886
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 10400062557

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

503H_Certified_EOW_DD_Survey_20220624093203.pdf

503H_As_Drilled_WBD___C102_20220624093231.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 122651

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 122651
	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 122651

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 122651
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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