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

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
DJR Operating, LLC 1 Road 3263 Aztec, NM 87410	371838
	[3] Reason for Filing Code/ Effective Date NW

[4] API Number	[5] Pool Name	[6] Pool Code
30-045-38238	Betonnie Tsosie Wash; Mancos (Oil)	98175

[7] Property Code	[8] Property Name	[9] Well Number
325179	Betonnie Tsosie Wash Unit	502H

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	35	23N	08W		1372’	North	813’	West	San Juan

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	35	23N	08W		1197’	South	346’	East	San Juan

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F	F	06/20/22			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
248440	Western Refining Company, LP 6500 Townbridge Drive, El Paso, TX 79905	O
151618	Enterprise Field Services, LLC Post Office Box 4503, Houston, TX 77001	G

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
07/06/21	05/18/22	10,623’ MD 4,966’ TVD	10,607’ MD 4,966’ TVD	5,612’- 10,551’ MD 4,963- 5,007’ TVD Frac Sleeve @ 10,580’	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
12.25	9.625” 36# J55	384’	109
8.75	7” 26# J55	5,491’	639
6.125	4.5” 11.6# P110	TOL: 5,239’ BOL: 10,621’	450
	2.875” 6.5# L80 STC Tubing	5,418’	

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
05/19/22	06/20/22	05/21/22	24	522	1130
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
40/64	233	437	1692		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: Shaw-Marie Ford

Printed name: Shaw-Marie Ford

Title: Regulatory Specialist

E-mail Address: sford@djrllc.com

Date: 07/05/22

Phone: 505-716-3297

OIL CONSERVATION DIVISION

Approved by: *PATRICIA MARTINEZ*

Title: *PETROLEUM SPECIALIST*

Approval Date: *1/12/2023*

DISTRICT I
1625 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) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-38238	98175	BETONNIE TSOSIE WASH UNIT MANCOS OIL POOL

[4] Property Code	[5] Property Name	[6] Well Number
325179	BETONNIE TSOSIE WASH UNIT	502H

[7] OGRID No.	[8] Operator Name	[9] Elevation
371838	DJR OPERATING, LLC	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		1372'	NORTH	813'	WEST	SAN JUAN

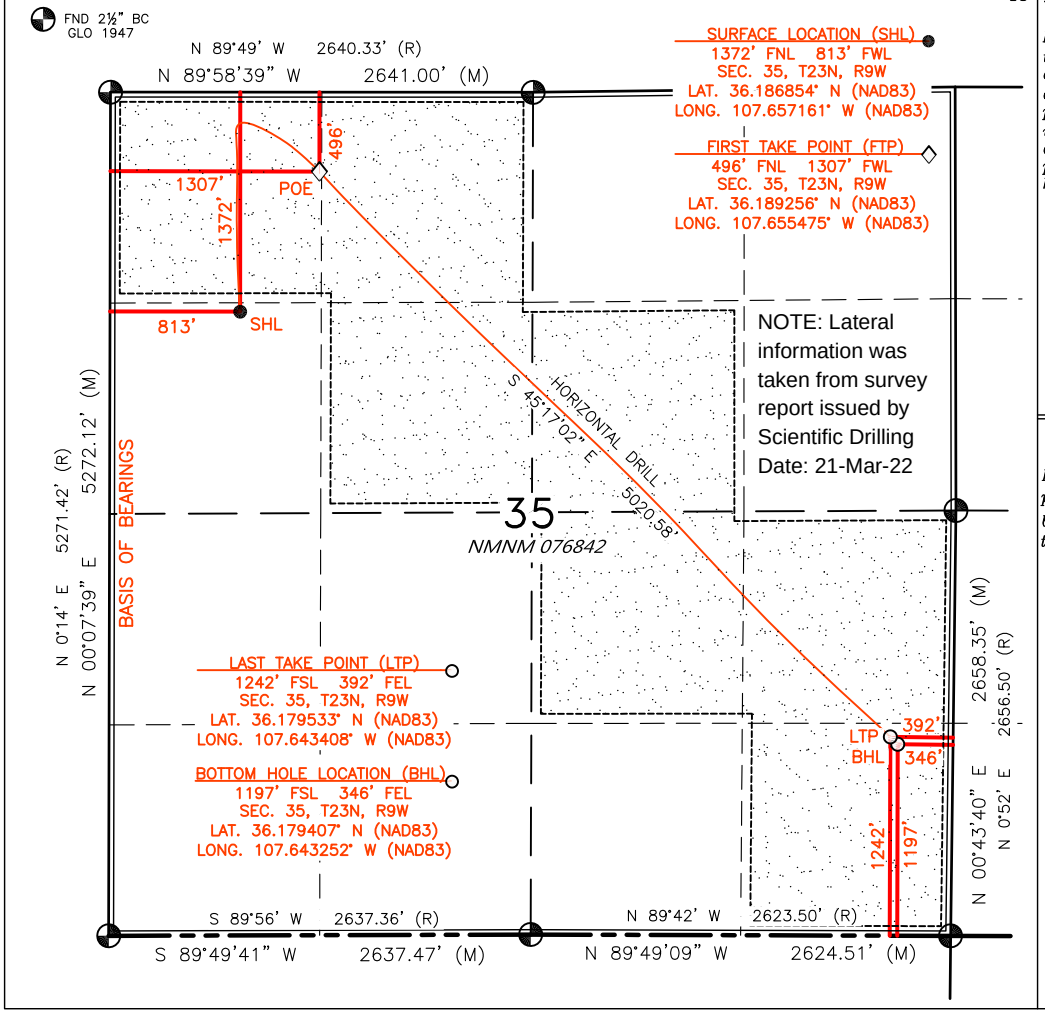
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	35	23N	8W		1197'	SOUTH	346'	EAST	SAN JUAN

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
PENETRATED SPACING UNIT; SEC 35: NW/NW, NE/NW, SE/NW, SW/NE, NW/SE, NE/SE & SE/SE = 280 ACRES TOTAL			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



18

[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@djrllc.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.

MARCH 1, 2022
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number 11393

Scientific Drilling

Directional Survey Certification

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

Operator	DJR Energy
Well Name & No.	Betonnie Tsosie E35 2308 502H
County & State	San Juan, NM
SDI Job No.	OP.030693
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 429 feet to a measured depth of 10,623 feet is true and correct as determined from all available records.

Signature

21-Mar-22
Date

Janie Collins
Contract Well Planner
Scientific Drilling International

DJR Energy

DJR
Betonnie Tsosie Unit
E35 2308 Pad
#502H

End of Well Report

Scientific Drilling

www.scientificdrilling.com

DJR Operating

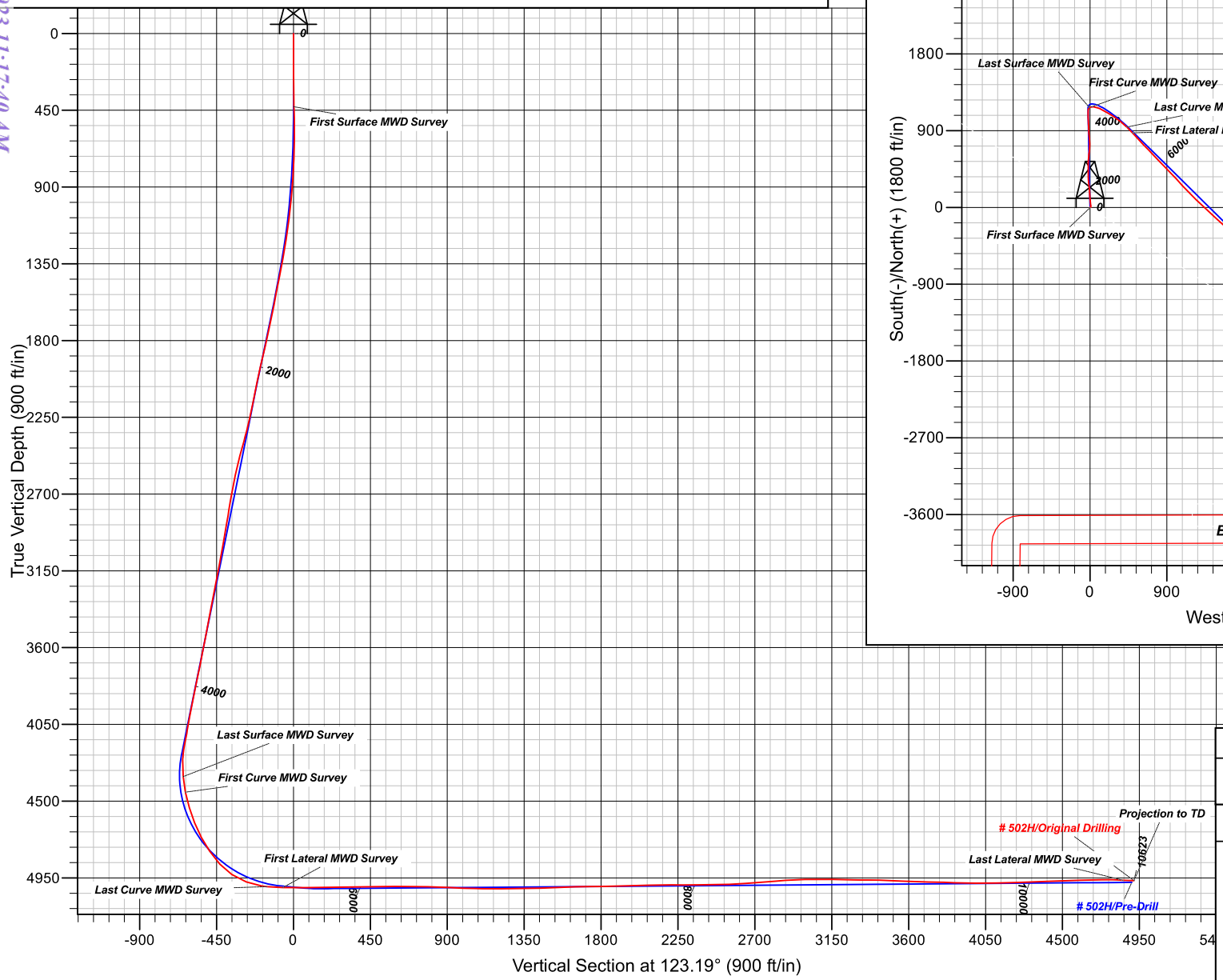
Company Name: DJR Operating
Project: Betonnie Tsosie Unit
Site: E35 2308 Pad
Well: # 502H
Wellbore: Original Drilling

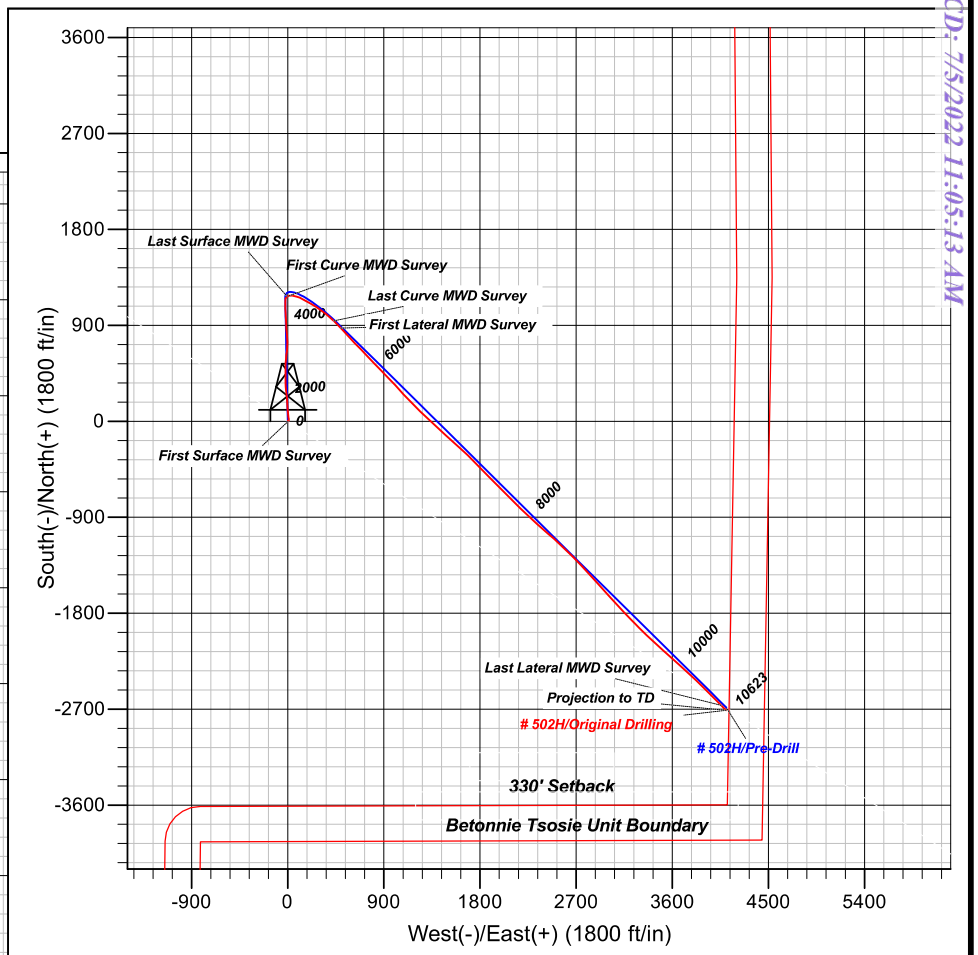
Scientific Drilling

WELL DETAILS: # 502H

GL 6920' & RKB 26' @ 6946ft (H&P 443) 6920

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	
0	0	1887359.23	2775078.04	36.18685400	-107.65716100	4





Design: Original Drilling (# 502H/Original Drilling)

Created By: Janie Collins Date: 12:37, September 27 2021

PROJECT DETAILS: Betonnie Tsosie Unit

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Western Zone

System Datum: Mean Sea Level
Local North: True

DJR Operating

DJR Operating

Betonnie Tsosie Unit
E35 2308 Pad
 # 502H - Slot 4

Original Drilling

Design: Original Drilling

Standard Survey Report

27 September, 2021

Scientific Drilling

www.scientificdrilling.com

DJR Operating

Scientific Drilling

Survey Report

Scientific Drilling

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 502H - Slot 4
Project:	Betonnie 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:	# 502H	**North Reference:**	True
Wellbore:	Original Drilling	**Survey Calculation Method:**	Minimum Curvature
Design:	Original Drilling	**Database:**	Grand Junction

Project Betonnie Tsosie 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	**Latitude:**	36.18685400
From:	Lat/Long	**Easting:**	2,775,078.04 usft	**Longitude:**	-107.65716100
Position Uncertainty:	0 ft	**Slot Radius:**	13.20 in	**Grid Convergence:**	0.10 °

Well # 502H - Slot 4

Well Position	**+N/-S**	0 ft	**Northing:**	1,887,359.24 usft	**Latitude:**	36.18685400
	+E/-W	0 ft	**Easting:**	2,775,078.04 usft	**Longitude:**	-107.65716100
Position Uncertainty		0 ft	**Wellhead Elevation:**	ft	**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

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	123.19

Survey Program **Date** 9/27/2021

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
429	4552	Survey #1 - Surface MWD Survey (Origina	MWD+HDGM	OWSG MWD + HDGM
4647	5437	Survey #2 - Curve MWD Survey (Original	MWD+HDGM	OWSG MWD + HDGM
5532	10,623	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
429	1.06	93.65	429	0	4	3	0.25	0.25	0.00
439	0.97	95.23	439	0	4	4	0.94	-0.90	15.80
519	1.49	52.34	519	0	6	5	1.28	0.65	-53.61
611	2.37	20.35	611	3	7	5	1.48	0.96	-34.77
703	3.17	6.28	703	7	8	3	1.14	0.87	-15.29
796	5.10	1.71	796	14	9	0	2.10	2.08	-4.91
889	6.77	357.67	888	23	8	-6	1.85	1.80	-4.34
982	9.06	354.68	980	36	8	-13	2.50	2.46	-3.22

DJR Operating

Scientific Drilling

Survey Report

Scientific Drilling

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 502H - Slot 4
Project:	Betonnie 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:	# 502H	**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)
1074	11.08	351.70	1071	52	6	-24	2.27	2.20	-3.24
1166	13.10	353.10	1161	71	3	-36	2.22	2.20	1.52
1258	14.95	355.74	1250	93	1	-50	2.13	2.01	2.87
1350	16.71	356.62	1338	118	-1	-65	1.93	1.91	0.96
1442	18.03	356.09	1426	146	-2	-82	1.45	1.43	-0.58
1535	19.26	358.90	1514	176	-4	-99	1.64	1.32	3.02
1625	17.41	354.33	1600	204	-5	-116	2.60	-2.06	-5.08
1718	17.41	352.57	1689	231	-9	-134	0.57	0.00	-1.89
1809	18.64	352.40	1775	259	-12	-152	1.35	1.35	-0.19
1901	20.58	355.74	1862	290	-15	-172	2.43	2.11	3.63
1996	20.75	356.09	1951	324	-18	-192	0.22	0.18	0.37
2090	20.49	358.73	2039	357	-19	-211	1.03	-0.28	2.81
2185	19.35	359.78	2128	389	-20	-229	1.26	-1.20	1.11
2280	22.25	1.54	2217	423	-19	-247	3.12	3.05	1.85
2375	23.74	359.96	2304	460	-19	-267	1.70	1.57	-1.66
2470	26.29	359.08	2390	500	-19	-290	2.71	2.68	-0.93
2565	26.29	1.89	2475	542	-19	-312	1.31	0.00	2.96
2660	26.38	5.58	2561	584	-16	-333	1.73	0.09	3.88
2755	23.65	6.46	2647	624	-12	-351	2.90	-2.87	0.93
2850	20.93	6.64	2735	660	-8	-368	2.86	-2.86	0.19
2945	18.91	4.88	2824	692	-4	-383	2.22	-2.13	-1.85
3040	17.32	1.89	2914	721	-3	-397	1.94	-1.67	-3.15
3135	16.97	358.20	3005	749	-3	-412	1.20	-0.37	-3.88
3230	17.76	355.03	3096	778	-4	-429	1.30	0.83	-3.34
3325	17.23	354.68	3186	806	-7	-447	0.57	-0.56	-0.37
3420	17.15	354.86	3277	834	-9	-465	0.10	-0.08	0.19
3515	17.23	355.91	3368	862	-12	-482	0.34	0.08	1.11
3610	17.85	356.44	3458	891	-14	-499	0.67	0.65	0.56
3705	19.17	359.61	3548	921	-15	-516	1.75	1.39	3.34
3800	18.82	357.67	3638	952	-15	-534	0.76	-0.37	-2.04
3895	17.32	355.21	3729	981	-17	-551	1.77	-1.58	-2.59
3907	17.71	355.47	3740	985	-17	-554	3.31	3.25	2.17
3982	19.60	356.97	3811	1009	-19	-568	2.60	2.52	2.00
4077	19.73	357.23	3900	1041	-21	-587	0.16	0.14	0.27
4172	17.84	1.63	3990	1071	-21	-604	2.49	-1.99	4.63
4267	18.94	358.99	4081	1101	-21	-620	1.45	1.16	-2.78
4362	16.48	353.19	4171	1130	-23	-638	3.18	-2.59	-6.11
4457	13.36	26.50	4263	1153	-19	-648	9.45	-3.28	35.06
4552	13.18	52.08	4356	1170	-6	-645	6.13	-0.19	26.93
4647	15.69	80.99	4448	1178	15	-632	7.94	2.64	30.43
4742	18.81	95.49	4538	1179	43	-609	5.57	3.28	15.26
4837	22.67	105.69	4627	1172	76	-578	5.55	4.06	10.74
4932	27.81	113.69	4713	1159	114	-539	6.48	5.41	8.42

DJR Operating

Scientific Drilling

Survey Report

Scientific Drilling

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 502H - Slot 4
Project:	Betonnie 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:	# 502H	**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)
5026	34.76	119.49	4794	1137	158	-490	8.05	7.39	6.17
5122	42.01	120.81	4869	1107	209	-431	7.60	7.55	1.38
5216	55.50	122.30	4931	1070	269	-360	14.40	14.35	1.59
5311	70.36	125.11	4974	1023	339	-276	15.86	15.64	2.96
5406	80.42	134.87	4998	964	409	-185	14.51	10.59	10.27
5437	85.21	133.73	5002	942	431	-155	15.88	15.45	-3.68
5532	89.08	137.59	5006	874	498	-62	5.75	4.07	4.06
5625	90.22	137.07	5007	806	561	28	1.35	1.23	-0.56
5717	90.48	136.89	5006	739	623	117	0.34	0.28	-0.20
5810	90.57	136.36	5005	671	687	208	0.58	0.10	-0.57
5901	90.92	136.01	5004	605	750	296	0.54	0.38	-0.38
5994	91.01	136.19	5003	538	815	387	0.22	0.10	0.19
6087	90.92	135.48	5001	472	880	478	0.77	-0.10	-0.76
6179	91.01	135.66	5000	406	944	568	0.22	0.10	0.20
6271	88.90	137.07	5000	339	1007	657	2.76	-2.29	1.53
6363	89.08	137.59	5001	272	1070	746	0.60	0.20	0.57
6455	87.85	136.54	5004	205	1132	836	1.76	-1.34	-1.14
6547	87.23	136.01	5008	138	1196	925	0.89	-0.67	-0.58
6639	88.37	134.08	5011	73	1261	1015	2.44	1.24	-2.10
6731	89.96	133.55	5013	9	1327	1106	1.82	1.73	-0.58
6823	89.52	132.50	5013	-53	1395	1196	1.24	-0.48	-1.14
6914	91.01	132.50	5013	-115	1462	1286	1.64	1.64	0.00
7006	90.84	131.27	5011	-176	1530	1377	1.35	-0.18	-1.34
7098	91.36	131.44	5009	-237	1599	1468	0.59	0.57	0.18
7190	92.95	134.25	5006	-300	1667	1559	3.51	1.73	3.05
7283	91.19	135.48	5002	-365	1732	1650	2.31	-1.89	1.32
7374	90.92	135.31	5001	-430	1796	1739	0.35	-0.30	-0.19
7467	89.96	135.66	5000	-496	1861	1829	1.10	-1.03	0.38
7559	92.51	136.19	4998	-562	1925	1919	2.83	2.77	0.58
7651	92.77	135.66	4994	-628	1989	2009	0.64	0.28	-0.58
7743	89.60	135.84	4992	-694	2054	2099	3.45	-3.45	0.20
7835	90.40	134.96	4992	-760	2118	2188	1.29	0.87	-0.96
7928	90.75	133.37	4991	-824	2185	2280	1.75	0.38	-1.71
8019	90.40	132.50	4990	-886	2251	2369	1.03	-0.38	-0.96
8111	89.87	131.62	4990	-948	2320	2460	1.12	-0.58	-0.96
8203	93.21	131.62	4987	-1009	2389	2551	3.63	3.63	0.00
8296	93.47	131.62	4982	-1071	2458	2643	0.28	0.28	0.00
8389	94.26	133.20	4976	-1133	2526	2735	1.90	0.85	1.70
8481	94.70	133.73	4969	-1197	2593	2825	0.75	0.48	0.58
8573	92.77	134.61	4963	-1260	2659	2915	2.30	-2.10	0.96
8665	91.71	136.54	4959	-1326	2723	3005	2.39	-1.15	2.10
8757	89.34	137.59	4958	-1393	2786	3094	2.82	-2.58	1.14
8849	88.90	137.59	4960	-1461	2848	3183	0.48	-0.48	0.00

DJR Operating

Scientific Drilling

Survey Report

Scientific Drilling

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 502H - Slot 4
Project:	Betonnie 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:	# 502H	**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)
8941	88.72	137.59	4961	-1529	2910	3272	0.20	-0.20	0.00
9033	89.87	137.77	4963	-1597	2972	3361	1.27	1.25	0.20
9124	88.20	137.77	4964	-1665	3033	3449	1.84	-1.84	0.00
9188	87.32	138.30	4967	-1712	3076	3511	1.60	-1.38	0.83
9217	87.32	138.47	4968	-1734	3095	3539	0.59	0.00	0.59
9265	87.76	136.89	4970	-1769	3127	3586	3.41	0.92	-3.29
9309	87.85	136.19	4972	-1801	3158	3628	1.60	0.20	-1.59
9400	88.64	135.66	4974	-1867	3221	3717	1.05	0.87	-0.58
9445	88.90	135.66	4975	-1899	3252	3761	0.58	0.58	0.00
9492	88.99	135.48	4976	-1932	3285	3807	0.43	0.19	-0.38
9584	88.20	133.73	4979	-1997	3351	3897	2.09	-0.86	-1.90
9677	89.52	132.14	4980	-2060	3419	3989	2.22	1.42	-1.71
9768	90.66	133.02	4980	-2122	3486	4079	1.58	1.25	0.97
9861	90.22	131.79	4980	-2185	3554	4170	1.40	-0.47	-1.32
9954	92.51	130.91	4977	-2246	3624	4262	2.64	2.46	-0.95
10,045	92.59	132.85	4973	-2307	3692	4352	2.13	0.09	2.13
10,141	92.86	132.67	4969	-2372	3762	4447	0.34	0.28	-0.19
10,235	92.15	134.08	4965	-2436	3831	4539	1.68	-0.76	1.50
10,330	90.66	134.78	4962	-2503	3898	4632	1.73	-1.57	0.74
10,424	91.01	135.48	4961	-2569	3965	4724	0.83	0.37	0.74
10,517	87.67	135.31	4962	-2636	4030	4815	3.60	-3.59	-0.18
10,558	87.76	134.96	4964	-2665	4059	4855	0.88	0.22	-0.85
10,623	87.86	134.96	4966	-2710	4105	4919	0.15	0.15	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
502H Toe	0.00	0.00	4976	-2685	4106	1,884,681.25	2,779,188.87	36.17947600	-107.64324800
- actual wellpath misses target center by 21ft at 10607ft MD (4966 TVD, -2699 N, 4093 E)									
- Circle (radius 100)									
502H 85° Casing	0.00	0.00	4998	887	500	1,888,247.33	2,775,576.71	36.18929119	-107.65546561
- actual wellpath misses target center by 13ft at 5524ft MD (5006 TVD, 880 N, 492 E)									
- Point									
502H Heel	0.00	0.00	5013	751	648	1,888,111.47	2,775,724.85	36.18891720	-107.65496440
- actual wellpath misses target center by 27ft at 5725ft MD (5006 TVD, 733 N, 629 E)									
- Circle (radius 50)									

DJR Operating

Scientific Drilling
Survey Report

Scientific Drilling

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 502H - Slot 4
Project:	Betonnie 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:	# 502H	**North Reference:**	True
Wellbore:	Original Drilling	**Survey Calculation Method:**	Minimum Curvature
Design:	Original Drilling	**Database:**	Grand Junction

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
429	429	0	4	First Surface MWD Survey
4552	4356	1170	-6	Last Surface MWD Survey
4647	4448	1178	15	First Curve MWD Survey
5437	5002	942	431	Last Curve MWD Survey
5532	5006	874	498	First Lateral MWD Survey
10,558	4964	-2665	4059	Last Lateral MWD Survey
10,623	4966	-2710	4105	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

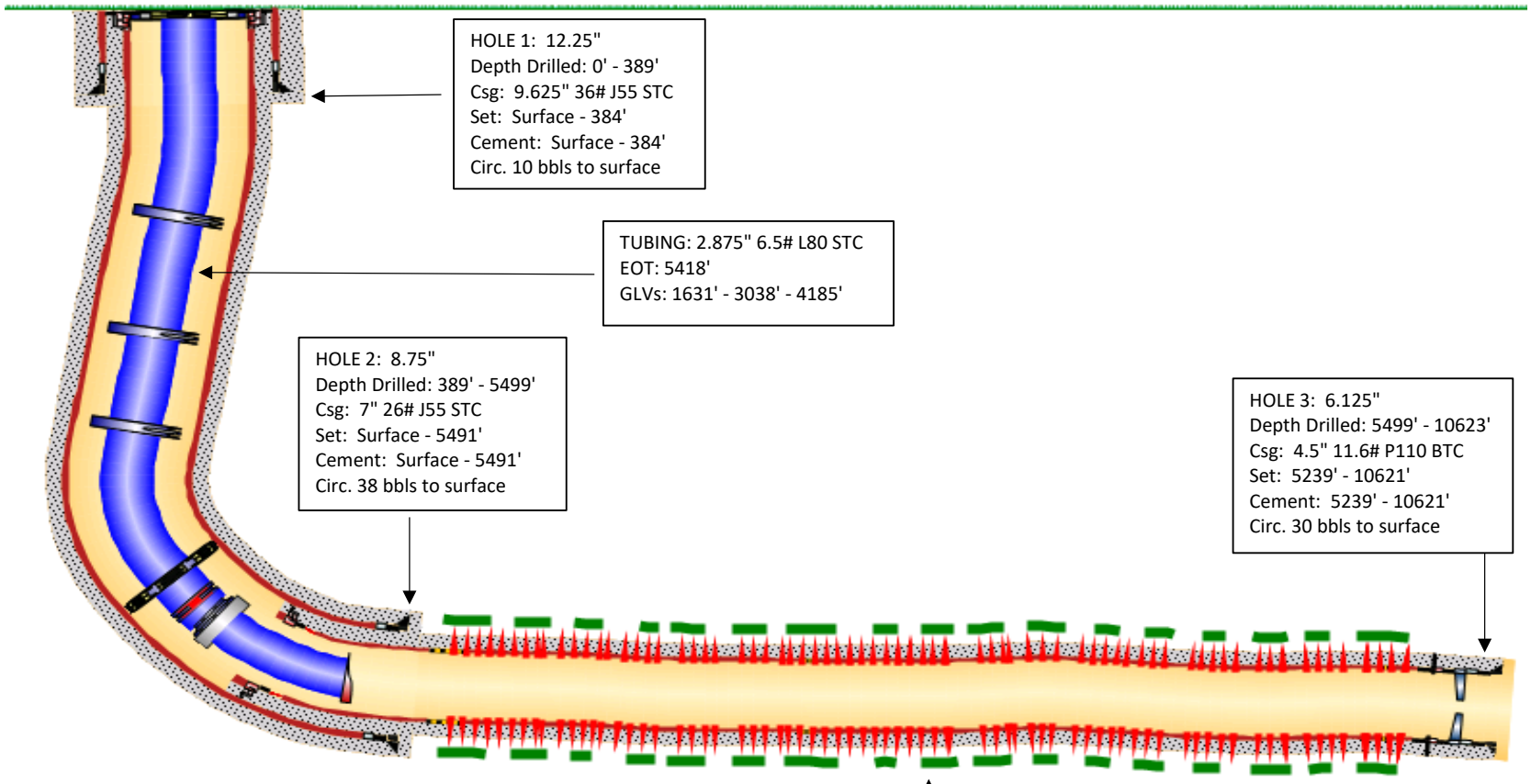
DJR Operating, LLC

BETONNIE TSOSIE WASH UNIT 502H

API: 30-045-38238
SHL: SWNW E-35-23N-08W
1372' FNL x 813' FWL

Elevation: 6920' GL
Spud Date: 07/06/2021
Completed Date: 05/18/2022

FORMATION	MD	TVD
Ojo Alamo	719'	719'
Kirtland	852'	851'
Fruitland	1131'	1125'
Pictured Cliffs	1416'	1398'
Lewis	1571'	1546'
Chacra	2147'	2095'
Menefee	2926'	2837'
Point Lookout	3902'	3767'
Mancos	4065'	3923'
KOP~	4400'	4207'
Gallup	4892'	4703'
Target	5550'	5001'



HOLE 1: 12.25"
Depth Drilled: 0' - 389'
Csg: 9.625" 36# J55 STC
Set: Surface - 384'
Cement: Surface - 384'
Circ. 10 bbls to surface

TUBING: 2.875" 6.5# L80 STC
EOT: 5418'
GLVs: 1631' - 3038' - 4185'

HOLE 2: 8.75"
Depth Drilled: 389' - 5499'
Csg: 7" 26# J55 STC
Set: Surface - 5491'
Cement: Surface - 5491'
Circ. 38 bbls to surface

HOLE 3: 6.125"
Depth Drilled: 5499' - 10623'
Csg: 4.5" 11.6# P110 BTC
Set: 5239' - 10621'
Cement: 5239' - 10621'
Circ. 30 bbls to surface

Perf:	17 Stages	Frac:	17 Stages
Depth:	5612' - 10551' MD	28,029	bbls of fluid
	4963' - 5007' TVD	5,162,500	lbs of proppant
		45,441,899	scf of N2

Total of 594 Open Holes

(NAD83)	LAT.	LONG.
SHL:	36.186854	-107.657161
FTP:	36.189256	-107.655475
LTP:	36.179533	-107.643408
BHL:	36.179407	-107.643252

BHL: SESE P-35-23N-08W
1197' FSL x 346' FEL

10,623'	TD
4,966'	TVD
10,607'	PBTD
10,580'	FracSleeve

created by sford on 05/25/22

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

Sundry Print Report

06/06/2022

Well Name: BETONNIE TSOSIE WASH UNIT

Well Location: T23N / R8W / SEC 35 / SWNW / 36.18685 / -107.65716

County or Parish/State: SAN JUAN / NM

Well Number: 502H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM76842

Unit or CA Name:

Unit or CA Number: NMNM135219A

US Well Number: 3004538238

Well Status: Drilling Well

Operator: DJR OPERATING LLC

Subsequent Report

Sundry ID: 2672494

Type of Submission: Subsequent Report

Type of Action: Hydraulic Fracturing

Date Sundry Submitted: 05/19/2022

Time Sundry Submitted: 08:17

Date Operation Actually Began: 04/19/2022

Actual Procedure: Completion Report 3/27/22: Pressure Test 4.5 x 7" 2K psi (5min) bleed down 7" to 1K psi. Pressure up 4.5" to 7K psi & hold (15 min). Bring pressure up to 7500 & hold (15 min). NU 10K lower master. PT void & seals to 5K. Install 2-way check and test lower master 400L/9600H (5min). All tests good & recorded on chart. 4/18/22: PT Frac & Flowback iron L1260. M4994. H9335 & 9101. Bleed down pump side and function test check valves. All test good & recorded on charts. 4/19/22 – 4/22/22: Plug & Perf 17 stages at 3 spf with .35” diameter from 10551’ to 5612’ MD (4963’ to 5007’ TVD). Total of 594 open holes. Plugs set from 10266’ to 5854’. KP at 5420’. Frac 17 stages with 28,029 bbls of fluid. 5,162,500 lbs of proppant. 45,441,899 scf of N2. 5/15/22: MIRU AWS 812. Function test BOP. Install test jt into hanger. PT pipe rams, flowback, blind rams H5000 (10min), L400 (5min). Annular H2500 (10min) L400 (5min). At 5000 blind rams failed. Fluid up through pipe indicating bad pipe threads on hanger. Pull out tester bar, retape & reinstall. Begin PT, failed. Replaced door seal. Retest pipe rams & failed on tubing annulus indicating failure on ram body seals. Opened pipe ram doors. Found pipe ram seal had small nick in rubber. Rebuild pipe ram seal door, reseal & retest. PT again to 5000. Test good & recorded on chart. 5/16 – 5/17/22: TIH. Drill out plugs. TOH. 5/18/22: Change over tubing rams & PT H2000. L250 (30min). Test good & recorded on chart. RIH with production string. Land 165 jts of 2.875” 6.5# L80 STC tubing. EOT: 5418’. Three GLVs set at 4185’ – 3038’ – 1631’. TOH. ND BOP. NU production tree & PT H5000 L250 (30min). Test good & recorded on chart. Turn well over to production. Rig AWS 812 released on 5/18/22.

Well Name: BETONNIE TSOSIE WASH UNIT

Well Location: T23N / R8W / SEC 35 / SWNW / 36.18685 / -107.65716

County or Parish/State: SAN JUAN / NM

Well Number: 502H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM76842

Unit or CA Name:

Unit or CA Number: NMNM135219A

US Well Number: 3004538238

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 19, 2022 08:17 AM

Name: DJR OPERATING LLC

Title: Regulatory Specialist

Street Address: 1 Road 3263

City: Aztec **State:** NM

Phone: (505) 632-3476

Email address: sford@djrllc.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

AFMSS
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** 502H	**US Well Number** 3004538238
SHL SWNW Sec 35 23N 8W	**County** SAN JUAN	**State** NM	**Lease Number(s)** NMNM76842
Well Type OIL WELL	**Well Status** Drilling Well	**Agreement Name**	**Agreement Number(s)** NMNM135219A
Allottee/Tribe Name	**Well Pad Name** BETONNIE TSOSIE WASH UNIT	**Well Pad Number** 502H, 503H, 504H, 505H	**ID** 10400062496

Section 1 - General

Well Completion Report Id: 85002
Submission Date: N/A until DB
BLM Office: Farmington Field Office
User: SHAW-MARIE FORD
Title: Regulatory Specialist
Federal/Indian: FEDERAL
Lease Number: NMNM76842
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: 07-06-2021
Date Total Measured Depth Reached: 09-24-2021
Drill & Abandon or Ready To Produce: READY TO
Well Class: HORIZONTAL

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral

Operator Name DJR OPERATING LLC	**Well Name** BETONNIE TSOSIE WASH UNIT	**Well Number** 502H	**US Well Number** 3004538238
SHL SWNW Sec 35 23N 8W	**County** SAN JUAN	**State** NM	**Lease Number(s)** NMNM76842
Well Type OIL WELL	**Well Status** Drilling Well	**Agreement Name**	**Agreement Number(s)** NMNM135219A
Allottee/Tribe Name	**Well Pad Name** BETONNIE TSOSIE WASH UNIT	**Well Pad Number** 502H, 503H, 504H, 505H	**ID** 10400062496

Completion and Completed

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM135219A	NMNM76842	NEW		POW	05-18-2022	05-19-2022	GALLUP	5612	10551	Y	.35	594	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Totle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	28029	5162500	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** 502H | **US Well Number** 3004538238

SHL SWNW Sec 35 23N 8W | **County** SAN JUAN | **State** NM | **Lease Number(s)** NMNM76842

Well Type OIL WELL | **Well Status** Drilling Well | **Agreement Name** | **Agreement Number(s)** NMNM135219A

Allottee/Tribe Name | **Well Pad Name** BETONNIE TSOSIE WASH UNIT | **Well Pad Number** 502H, 503H, 504H, 505H | **ID** 10400062496

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	05/21/2022	24	233	1692	437	7261	40/64	522		1130

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	36.18685	-107.65716	6920	FEDERAL	NMNM 76842				1372	FNL	813	FWL	23N	8W	35	SWNW
KOP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.18685	-107.65716	6570	FEDERAL	NMNM 76842				1372	FNL	813	FWL	23N	8W	35	SWNW
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.189256	-107.655475	1913	FEDERAL	NMNM 76842				496	FNL	1307	FWL	23N	8W	35	NENW
EXIT Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.179533	-107.643408	1957	FEDERAL	NMNM 76842				1242	FSL	392	FEL	23N	8W	35	SESE
BHL Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.179407	-107.643252	1954	FEDERAL	NMNM 76842				1197	FSL	346	FEL	23N	8W	35	SESE

Operator Name DJR OPERATING LLC	**Well Name** BETONNIE TSOSIE WASH UNIT	**Well Number** 502H	**US Well Number** 3004538238
SHL SWNW Sec 35 23N 8W	**County** SAN JUAN	**State** NM	**Lease Number(s)** NMNM76842
Well Type OIL WELL	**Well Status** Drilling Well	**Agreement Name**	**Agreement Number(s)** NMNM135219A
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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	384	9.625	36	J-55		ST&C		
00	INTERMEDIATE	8.75	0	5491	7.0	26	J-55		LT&C		
00	LINER	6.125	5239	10621	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		C	109	1.61	0					31.3
00	INTERMEDIATE		G	383	2.32	0	G	256	1.49	3921	226.2
00	LINER		G	450	1.56	5239					125

Operator Name DJR OPERATING LLC	**Well Name** BETONNIE TSOSIE WASH UNIT	**Well Number** 502H	**US Well Number** 3004538238
SHL SWNW Sec 35 23N 8W	**County** SAN JUAN	**State** NM	**Lease Number(s)** NMNM76842
Well Type OIL WELL	**Well Status** Drilling Well	**Agreement Name**	**Agreement Number(s)** NMNM135219A
Allottee/Tribe Name	**Well Pad Name** BETONNIE TSOSIE WASH UNIT	**Well Pad Number** 502H, 503H, 504H, 505H	**ID** 10400062496

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		5418	5239	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** 502H	**US Well Number** 3004538238
SHL SWNW Sec 35 23N 8W	**County** SAN JUAN	**State** NM	**Lease Number(s)** NMNM76842
Well Type OIL WELL	**Well Status** Drilling Well	**Agreement Name**	**Agreement Number(s)** NMNM135219A
Allottee/Tribe Name	**Well Pad Name** BETONNIE TSOSIE WASH UNIT	**Well Pad Number** 502H, 503H, 504H, 505H	**ID** 10400062496

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 fradulent statements or representations aas to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satifies 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:** 06/23/2022

Street Address: 1 Road 3263

City: Aztec **State:** NM **Zip:** 87410

Phone: (505)632-3476

Email address: sford@djrllc.com

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone: **Extension:**

Email address:

Attachments

502H_Directional_Survey_Certified_20220623143341.pdf

502H_As_Drilled_WBD___C102_20220623143456.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

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 122638
	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 122638

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 122638
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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