

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 RT	
⁴ API Number 30-045-38237	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 501H

II. ¹⁰ Surface Location

Ul or lot no. A	Section 35	Township 23N	Range 08W	Lot Idn	Feet from the 703'	North/South Line North	Feet from the 834'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. B	Section 27	Township 23N	Range 08W	Lot Idn	Feet from the 477'	North/South line North	Feet from the 2265'	East/West line East	County San Juan
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date ~TBD		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 6500 Townbridge Drive, El Paso, TX 79905	O
151618	Enterprise Field Services, LLC Post Office Box 4503, Houston, TX 77001	G
	~Natural gas will be flared until N2 & O2 are cleaned from the wellbore~	

IV. Well Completion Data

²¹ Spud Date 01/07/22	²² Ready Date 01/23/23	²³ TD 14,666' MD 5,116' TVD	²⁴ PBTD 14,649' MD 5,116' TVD	²⁵ Perforations 5,923'- 14,594' MD 5,056'- 5,120' TVD FracSleeve @ 14,628'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12.25"		9.625" 36# J55		360'	109
8.75"		7" 26# J55		5,194'	613
6.125"		4.5" 11.6# P110		TOL: 5,067' BOL: 14,663'	809

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
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>1/19/2023</i>		
Date: 12/21/22		Phone: 505-716-3297	<i>RT EXPIRES 4/19/2023</i>		

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

Form C-102
Revised August 1, 2011

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

Submit one copy to appropriate
District Office

☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38237	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 501H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6974'

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
A	35	23N	8W		703'	NORTH	834'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	27	23N	8W		477'	NORTH	2265'	EAST	SAN JUAN

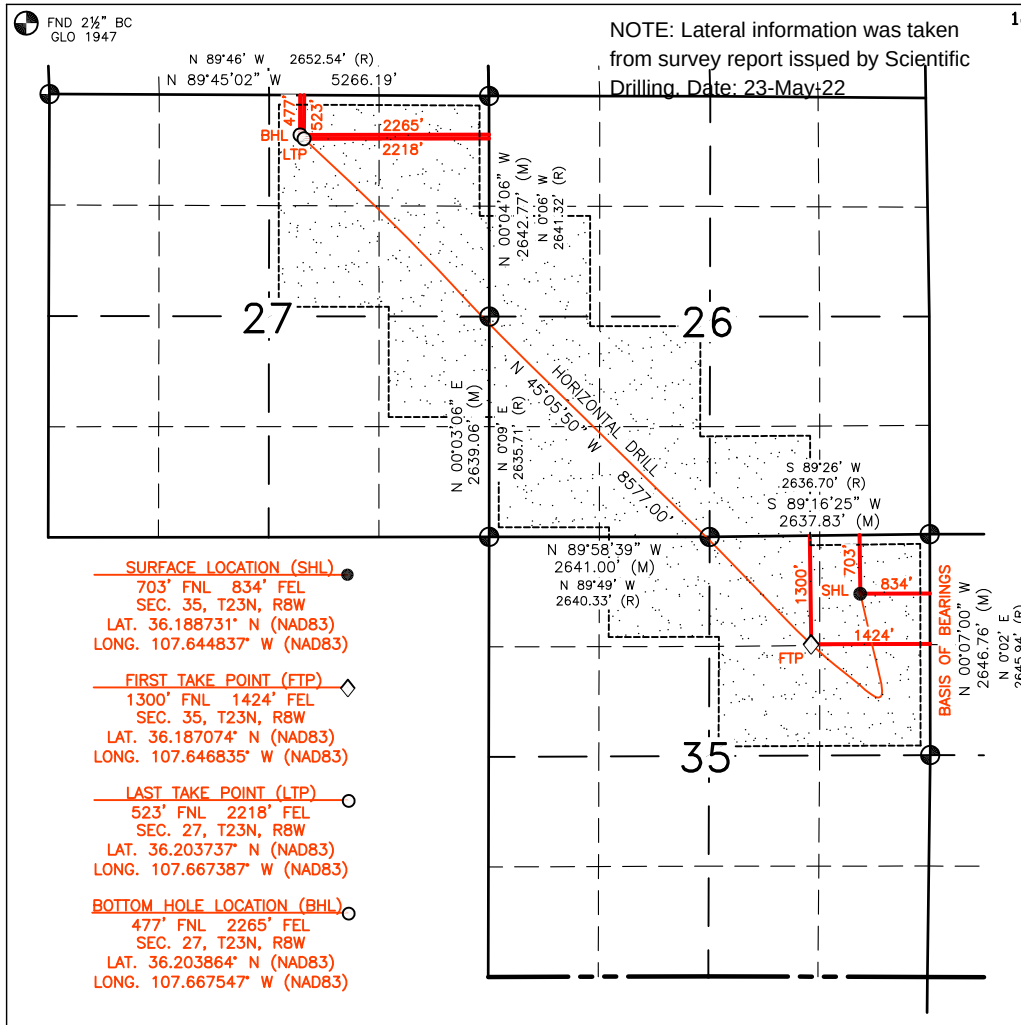
¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC 35: NE/4 & NE/NW (200 AC.); SEC 26:
SW/SE, SW/4 & SW/NW (240 AC.); SEC 27:
NE/SE & NE/4 (200 AC.) = 640 ACRES

¹³ Joint or Infill¹⁴ Consolidation Code¹⁵ Order No.

R-13930 R-13930A

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



17 OPERATOR CERTIFICATION

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

Shaw-Marie Ford 07/06/22
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.

MAY 24, 2022

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 Operating
Well Name & No.	Betonnies Tsosie Wash A35 2308 501H
County & State	San Juan, NM
SDI Job No.	OP.034060
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 540 feet to a measured depth of 14,666 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

23-May-22

Date

Janie Collins

Colorado District Well Planner
Scientific Drilling International



DJR

Betonne Tsose Wash Unit

A35 2308

501H

End of Well Report



www.scientificdrilling.com

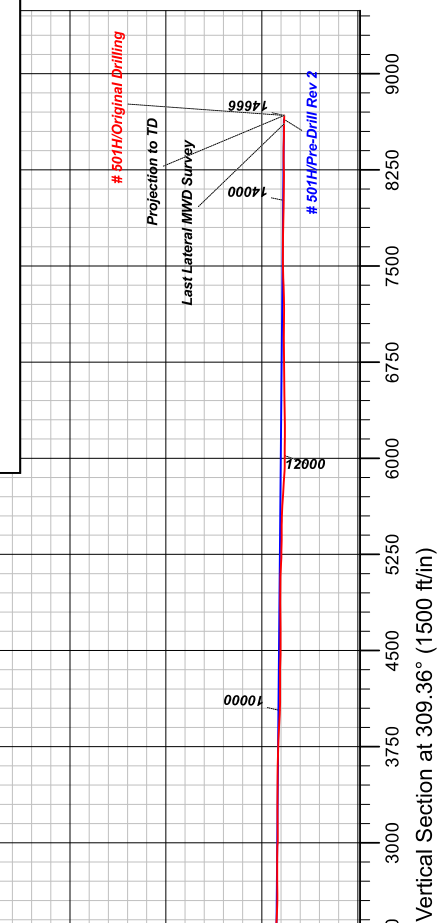
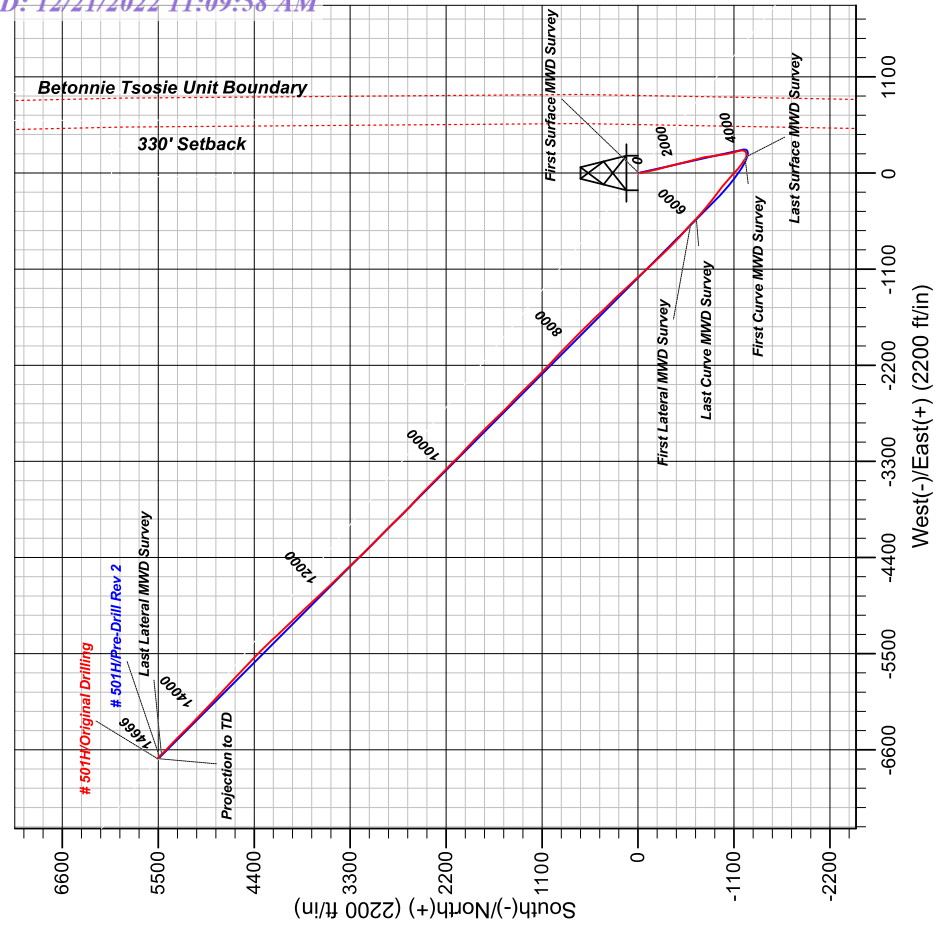
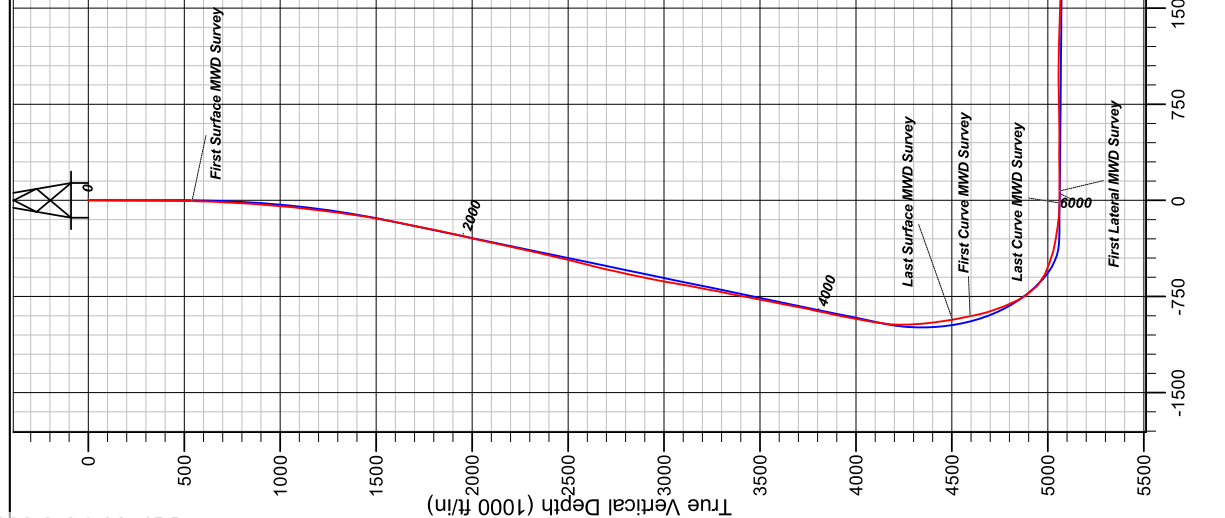


Company Name: DJR Operating
Project: Betonnie Tsoie Unit
Site: A35 2308 Pad
Well: # 501H
Wellbore: Original Drilling



WELL DETAILS: # 501H

GL 6974 & RKB 26' @ 7000ft (H&P 443) 6974			
+N/-S	+E/-W	Northing	Longitude
0	0	1888049.33	-107.64483700
Easting 2778713.38			
Latitude 36.18873100			
1			



Design: Original Drilling (# 501H/Original Drilling)
Created By: Janie Collins Date: 15:30, May 23 2022
PROJECT DETAILS: Betonnie Tsoie 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

A35 2308 Pad

501H - Slot 1

Original Drilling

Design: Original Drilling

Standard Survey Report

23 May, 2022



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 501H - Slot 1
Project:	Betonnies Tsoie Unit	TVD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Site:	A35 2308 Pad	MD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Well:	# 501H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Project	Betonnies 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	A35 2308 Pad		
Site Position:		Northing:	1,888,089.74 usft
From:	Lat/Long	Easting:	2,778,713.01 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.18884200
		Longitude:	-107.64483800
		Grid Convergence:	0.11 °

Well	# 501H - Slot 1		
Well Position	+N/-S	0 ft	Northing:
	+E/-W	0 ft	Easting:
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.18873100
		Longitude:	-107.64483700
		Ground Level:	6974 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	4/21/2022	8.52	62.67	49,082.50000000

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	309.36	

Survey Program	Date	5/17/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
540	4735	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4830	5924	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
6019	14,666	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	
540	2.14	181.26	540	-10	0	-6	0.40	0.40	0.00	
632	4.13	173.80	632	-15	0	-10	2.20	2.16	-8.11	
724	5.17	170.34	723	-22	1	-15	1.17	1.13	-3.76	
813	7.45	170.59	812	-32	3	-23	2.56	2.56	0.28	
903	8.38	170.27	901	-44	5	-32	1.03	1.03	-0.36	
995	10.23	165.32	992	-59	8	-44	2.19	2.01	-5.38	
1086	11.63	173.98	1081	-76	11	-57	2.37	1.54	9.52	
1178	12.93	166.16	1171	-95	14	-71	2.29	1.41	-8.50	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 501H - Slot 1
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Site:	A35 2308 Pad	MD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Well:	# 501H	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)
1270	14.02	168.90	1261	-116	19	-88	1.37	1.18	2.98
1360	14.78	167.23	1348	-138	24	-106	0.96	0.84	-1.86
1450	16.37	166.72	1434	-161	29	-125	1.77	1.77	-0.57
1541	19.15	168.28	1521	-188	35	-147	3.10	3.05	1.71
1631	20.77	167.10	1606	-218	42	-171	1.85	1.80	-1.31
1722	20.25	163.54	1691	-249	50	-197	1.48	-0.57	-3.91
1812	20.51	166.98	1775	-280	58	-222	1.36	0.29	3.82
1904	21.34	164.44	1861	-311	66	-248	1.34	0.90	-2.76
1998	23.59	165.63	1948	-346	75	-278	2.44	2.39	1.27
2093	21.50	164.36	2036	-381	85	-307	2.26	-2.20	-1.34
2188	22.67	165.83	2124	-416	94	-336	1.36	1.23	1.55
2283	22.71	167.33	2211	-451	102	-365	0.61	0.04	1.58
2377	22.53	166.69	2298	-487	110	-394	0.32	-0.19	-0.68
2472	23.27	166.56	2386	-523	119	-423	0.78	0.78	-0.14
2567	23.84	165.86	2473	-560	128	-454	0.67	0.60	-0.74
2662	25.27	165.64	2559	-598	138	-486	1.51	1.51	-0.23
2757	24.65	163.34	2645	-636	148	-518	1.21	-0.65	-2.42
2852	22.38	166.33	2732	-673	158	-549	2.70	-2.39	3.15
2947	22.03	165.52	2820	-708	167	-578	0.49	-0.37	-0.85
3042	21.42	166.07	2909	-742	176	-606	0.68	-0.64	0.58
3137	18.89	169.23	2998	-774	183	-632	2.90	-2.66	3.33
3232	19.94	174.19	3087	-805	187	-655	2.06	1.11	5.22
3327	22.57	173.45	3176	-839	191	-680	2.78	2.77	-0.78
3421	21.10	171.77	3263	-874	195	-705	1.70	-1.56	-1.79
3516	21.87	171.22	3352	-908	201	-731	0.84	0.81	-0.58
3612	20.32	170.73	3441	-943	206	-757	1.62	-1.61	-0.51
3707	22.32	171.44	3530	-977	211	-783	2.12	2.11	0.75
3802	20.40	171.16	3618	-1011	217	-809	2.02	-2.02	-0.29
3896	20.78	166.04	3706	-1043	223	-834	1.96	0.40	-5.45
3991	22.08	165.42	3795	-1077	232	-862	1.39	1.37	-0.65
4086	20.91	165.51	3883	-1111	240	-890	1.23	-1.23	0.09
4181	19.46	164.74	3972	-1142	249	-917	1.55	-1.53	-0.81
4276	19.00	171.12	4062	-1173	255	-941	2.26	-0.48	6.72
4356	17.26	177.25	4138	-1198	258	-959	3.22	-2.18	7.66
4451	15.46	210.04	4229	-1223	252	-970	9.77	-1.89	34.52
4545	15.53	248.51	4320	-1238	234	-966	10.74	0.07	40.93
4640	15.65	267.98	4412	-1243	210	-951	5.48	0.13	20.49
4735	14.33	290.81	4503	-1239	186	-930	6.33	-1.39	24.03
4830	16.68	303.03	4595	-1228	163	-905	4.22	2.47	12.86
4925	23.94	303.37	4684	-1210	136	-872	7.64	7.64	0.36
5020	30.28	305.04	4769	-1185	100	-829	6.72	6.67	1.76
5115	38.18	309.35	4847	-1153	58	-776	8.69	8.32	4.54
5161	43.77	312.40	4882	-1133	35	-746	12.90	12.15	6.63



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 501H - Slot 1
Project:	Betonnies Tsoie Unit	TVD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Site:	A35 2308 Pad	MD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Well:	# 501H	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)
5264	58.46	312.05	4946	-1080	-24	-666	14.26	14.26	-0.34
5359	74.61	311.27	4984	-1022	-89	-579	17.02	17.00	-0.82
5453	75.51	309.23	5008	-963	-159	-488	2.31	0.96	-2.17
5546	79.88	306.36	5028	-908	-230	-397	5.58	4.70	-3.09
5641	84.26	307.95	5041	-851	-305	-303	4.90	4.61	1.67
5736	84.05	308.91	5051	-792	-379	-209	1.03	-0.22	1.01
5830	87.08	311.51	5058	-731	-451	-115	4.24	3.22	2.77
5924	89.19	313.68	5061	-668	-520	-21	3.22	2.24	2.31
6019	90.64	312.17	5061	-603	-590	73	2.20	1.53	-1.59
6113	89.97	311.08	5061	-541	-660	167	1.36	-0.71	-1.16
6207	90.81	313.60	5060	-477	-729	261	2.83	0.89	2.68
6301	90.00	313.01	5059	-413	-798	355	1.07	-0.86	-0.63
6395	89.26	315.18	5060	-348	-865	449	2.44	-0.79	2.31
6490	90.47	316.87	5060	-279	-931	543	2.19	1.27	1.78
6584	90.71	316.92	5059	-211	-995	636	0.26	0.26	0.05
6678	90.77	316.94	5058	-142	-1060	729	0.07	0.06	0.02
6772	90.71	317.14	5057	-73	-1124	822	0.22	-0.06	0.21
6866	90.50	317.27	5056	-4	-1188	916	0.26	-0.22	0.14
6961	89.29	317.06	5056	66	-1252	1010	1.29	-1.27	-0.22
7055	89.53	317.38	5057	135	-1316	1103	0.43	0.26	0.34
7149	89.56	317.71	5058	204	-1379	1196	0.35	0.03	0.35
7244	89.03	315.43	5059	273	-1445	1290	2.46	-0.56	-2.40
7338	88.89	315.67	5061	340	-1511	1383	0.30	-0.15	0.26
7432	88.66	316.09	5063	407	-1576	1477	0.51	-0.24	0.45
7526	88.32	315.99	5065	475	-1641	1570	0.38	-0.36	-0.11
7620	87.75	316.39	5068	543	-1706	1663	0.74	-0.61	0.43
7714	91.21	315.17	5069	610	-1772	1757	3.90	3.68	-1.30
7808	91.21	315.56	5067	677	-1838	1850	0.41	0.00	0.41
7903	89.33	314.70	5067	744	-1905	1945	2.18	-1.98	-0.91
7997	89.23	314.33	5068	810	-1972	2038	0.41	-0.11	-0.39
8091	88.62	313.10	5070	875	-2040	2132	1.46	-0.65	-1.31
8185	88.66	313.52	5072	940	-2108	2226	0.45	0.04	0.45
8279	88.29	312.66	5075	1004	-2177	2320	1.00	-0.39	-0.91
8374	88.22	314.44	5077	1069	-2246	2414	1.87	-0.07	1.87
8468	88.63	314.56	5080	1135	-2313	2508	0.45	0.44	0.13
8562	90.20	315.76	5081	1202	-2379	2601	2.10	1.67	1.28
8656	90.40	315.97	5080	1269	-2444	2695	0.31	0.21	0.22
8750	90.30	314.80	5080	1336	-2510	2788	1.25	-0.11	-1.24
8845	89.40	313.70	5080	1402	-2578	2883	1.50	-0.95	-1.16
8939	88.76	312.85	5082	1467	-2647	2977	1.13	-0.68	-0.90
9034	90.13	316.48	5083	1534	-2714	3071	4.08	1.44	3.82
9128	90.27	315.98	5082	1602	-2779	3165	0.55	0.15	-0.53
9223	90.27	315.63	5082	1670	-2846	3259	0.37	0.00	-0.37



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 501H - Slot 1
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Site:	A35 2308 Pad	MD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Well:	# 501H	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)
9318	90.10	315.25	5081	1737	-2912	3354	0.44	-0.18	-0.40
9412	90.27	314.86	5081	1804	-2979	3447	0.45	0.18	-0.41
9506	88.96	313.65	5082	1869	-3046	3541	1.90	-1.39	-1.29
9600	88.83	313.19	5084	1934	-3114	3634	0.51	-0.14	-0.49
9694	88.93	312.69	5085	1998	-3183	3728	0.54	0.11	-0.53
9787	88.32	315.02	5088	2062	-3250	3821	2.59	-0.66	2.51
9882	88.49	314.75	5090	2130	-3317	3915	0.34	0.18	-0.28
9972	88.09	314.28	5093	2193	-3382	4005	0.69	-0.44	-0.52
10,063	89.60	315.14	5095	2257	-3446	4096	1.91	1.66	0.95
10,153	90.37	315.66	5095	2321	-3509	4185	1.03	0.86	0.58
10,243	89.73	314.47	5095	2384	-3573	4275	1.50	-0.71	-1.32
10,333	89.83	314.17	5095	2447	-3637	4364	0.35	0.11	-0.33
10,424	89.19	313.38	5096	2510	-3703	4455	1.12	-0.70	-0.87
10,514	89.50	311.83	5097	2571	-3769	4545	1.76	0.34	-1.72
10,606	89.36	314.10	5098	2634	-3837	4637	2.47	-0.15	2.47
10,697	91.84	315.65	5097	2698	-3901	4727	3.21	2.73	1.70
10,788	89.87	315.42	5096	2763	-3965	4818	2.18	-2.16	-0.25
10,879	89.93	315.48	5096	2828	-4029	4908	0.09	0.07	0.07
10,970	88.93	314.65	5097	2892	-4093	4999	1.43	-1.10	-0.91
11,061	88.86	314.69	5098	2956	-4158	5089	0.09	-0.08	0.04
11,152	88.22	313.70	5101	3020	-4223	5180	1.30	-0.70	-1.09
11,243	89.40	314.50	5103	3083	-4288	5271	1.57	1.30	0.88
11,333	89.66	316.91	5103	3147	-4351	5360	2.69	0.29	2.68
11,424	90.34	316.61	5103	3214	-4413	5450	0.82	0.75	-0.33
11,515	88.09	316.93	5105	3280	-4476	5541	2.50	-2.47	0.35
11,605	88.12	316.31	5108	3345	-4537	5630	0.69	0.03	-0.69
11,696	87.82	315.62	5111	3411	-4601	5720	0.83	-0.33	-0.76
11,787	87.35	315.56	5115	3476	-4664	5811	0.52	-0.52	-0.07
11,878	88.05	316.50	5118	3541	-4727	5901	1.29	0.77	1.03
11,969	90.17	317.17	5120	3607	-4790	5991	2.44	2.33	0.74
12,060	89.80	316.92	5120	3674	-4852	6081	0.49	-0.41	-0.27
12,151	89.30	317.11	5120	3741	-4914	6171	0.59	-0.55	0.21
12,242	90.87	316.67	5120	3807	-4976	6262	1.79	1.73	-0.48
12,331	90.67	316.33	5119	3872	-5037	6350	0.44	-0.22	-0.38
12,422	90.60	316.00	5118	3937	-5100	6440	0.37	-0.08	-0.36
12,514	90.50	316.50	5117	4004	-5164	6532	0.55	-0.11	0.54
12,605	90.30	316.66	5117	4070	-5226	6622	0.28	-0.22	0.18
12,697	90.30	317.13	5116	4137	-5289	6713	0.51	0.00	0.51
12,787	90.13	317.44	5116	4203	-5350	6802	0.39	-0.19	0.34
12,878	90.67	315.96	5115	4269	-5413	6892	1.73	0.59	-1.63
12,969	90.00	314.12	5115	4334	-5477	6983	2.15	-0.74	-2.02
13,059	89.13	313.33	5115	4396	-5542	7073	1.31	-0.97	-0.88
13,150	90.17	314.86	5116	4459	-5607	7163	2.03	1.14	1.68
13,240	90.17	313.96	5116	4522	-5672	7253	1.00	0.00	-1.00



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 501H - Slot 1
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Site:	A35 2308 Pad	MD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Well:	# 501H	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)	
13,330	92.18	313.59	5114	4584	-5737	7343	2.27	2.23	-0.41	
13,420	92.21	313.46	5110	4646	-5802	7433	0.15	0.03	-0.14	
13,511	89.76	312.24	5109	4708	-5869	7523	3.01	-2.69	-1.34	
13,601	88.99	311.52	5110	4768	-5936	7613	1.17	-0.86	-0.80	
13,691	89.19	313.32	5111	4829	-6002	7703	2.01	0.22	2.00	
13,781	89.33	313.22	5112	4891	-6067	7793	0.19	0.16	-0.11	
13,873	89.33	313.09	5113	4954	-6135	7885	0.14	0.00	-0.14	
13,964	89.93	314.59	5114	5017	-6200	7975	1.78	0.66	1.65	
14,053	90.00	315.13	5114	5079	-6263	8064	0.61	0.08	0.61	
14,144	90.74	316.07	5113	5144	-6327	8154	1.31	0.81	1.03	
14,234	90.10	315.11	5113	5209	-6390	8244	1.28	-0.71	-1.07	
14,324	89.70	314.14	5113	5272	-6454	8334	1.17	-0.44	-1.08	
14,415	89.36	313.44	5114	5335	-6520	8424	0.86	-0.37	-0.77	
14,506	88.76	313.76	5115	5398	-6586	8515	0.75	-0.66	0.35	
14,600	89.63	314.65	5116	5463	-6653	8609	1.32	0.93	0.95	
14,666	89.63	314.65	5117	5510	-6700	8674	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
7" Casing @ 4919' TVD	0.00	0.00	4919	-1129	-28	1,886,919.94	2,778,687.87	36.18562859	-107.64493090	
- hit/miss target										
- Shape										
- actual wellpath misses target center by 40ft at 5223ft MD (4923 TVD, -1102 N, 1 E)										
- Point										
501H Heel Rev 1	0.00	0.00	5060	-849	-350	1,887,199.74	2,778,365.45	36.18639894	-107.64602166	
- actual wellpath misses target center by 30ft at 5679ft MD (5045 TVD, -828 N, -335 E)										
- Circle (radius 50)										
501H Toe Rev 1	0.00	0.00	5115	5482	-6684	1,893,518.32	2,772,018.77	36.20378839	-107.66749259	
- actual wellpath misses target center by 9ft at 14635ft MD (5117 TVD, 5488 N, -6678 E)										
- Circle (radius 100)										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
540	540	-10	0	First Surface MWD Survey	
4735	4503	-1239	186	Last Surface MWD Survey	
4830	4595	-1228	163	First Curve MWD Survey	
5924	5061	-668	-520	Last Curve MWD Survey	
6019	5061	-603	-590	First Lateral MWD Survey	
14,600	5116	5463	-6653	Last Lateral MWD Survey	
14,666	5117	5510	-6700	Projection to TD	

**Scientific Drilling**
Survey Report

Company:	DJR Operating	Local Co-ordinate Reference:	Well # 501H - Slot 1
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Site:	A35 2308 Pad	MD Reference:	GL 6974' & RKB 26' @ 7000ft (H&P 443)
Well:	# 501H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Checked By: _____ Approved By: _____ Date: _____

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

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District IV

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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 169328

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 169328
	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.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 169328

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 169328
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 4/19/2023.	1/19/2023