

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address DJR Operating, LLC 200 Energy Court Farmington, NM 87401		² OGRID Number 371838
		³ Reason for Filing Code/ Effective Date RT
⁴ API Number 30-045-38243	⁵ Pool Name Bettonnie Tsosie Wash Unit Mancos Oil	⁶ Pool Code 98175
⁷ Property Code 325179	⁸ Property Name Bettonnie Tsosie Wash Unit	⁹ Well Number 209H

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
N	15	23N	08W		809'	South	1761'	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
H	26	23N	08W		1751'	North	939'	East	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	O
	6500 Townbridge Drive, El Paso, TX 79905	
151618	Enterprise Field Services, LLC	G
	Post Office Box 4503, Houston, TX 77001	
	~N2 Frac-Gas will be flared during flowback & until N2 & O2 is cleaned from the wellbore~	

IV. Well Completion Data

²¹ Spud Date 10/12/22	²² Ready Date 04/05/24	²³ TD 15,145' MD 4,982' TVD	²⁴ PBTD 15,127' MD 4,982' TVD	²⁵ Perforations 5,558' – 15,079' MD 4,982' – 5,054' TVD FracSleeve @ 15,091'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12.25"	9.625" 36# J55	389'	109		
8.75"	7" 26# J55	5,426'	Lead: 452 Tail: 142		
6.125"	4.5" 11.6# P110	15,140'	860		

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@enduringresources.com		Approval Date: <i>4/1/2024</i>	
Date: 3/14/2024	Phone: 505-716-3297	<i>RT EXPIRES 7/1/2024</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) 476-3480 Fax: (505) 476-3482

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 30-045-38243		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 209H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC		⁹ Elevation 6830'

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
N	15	23N	8W		809'	SOUTH	1761'	WEST	SAN JUAN

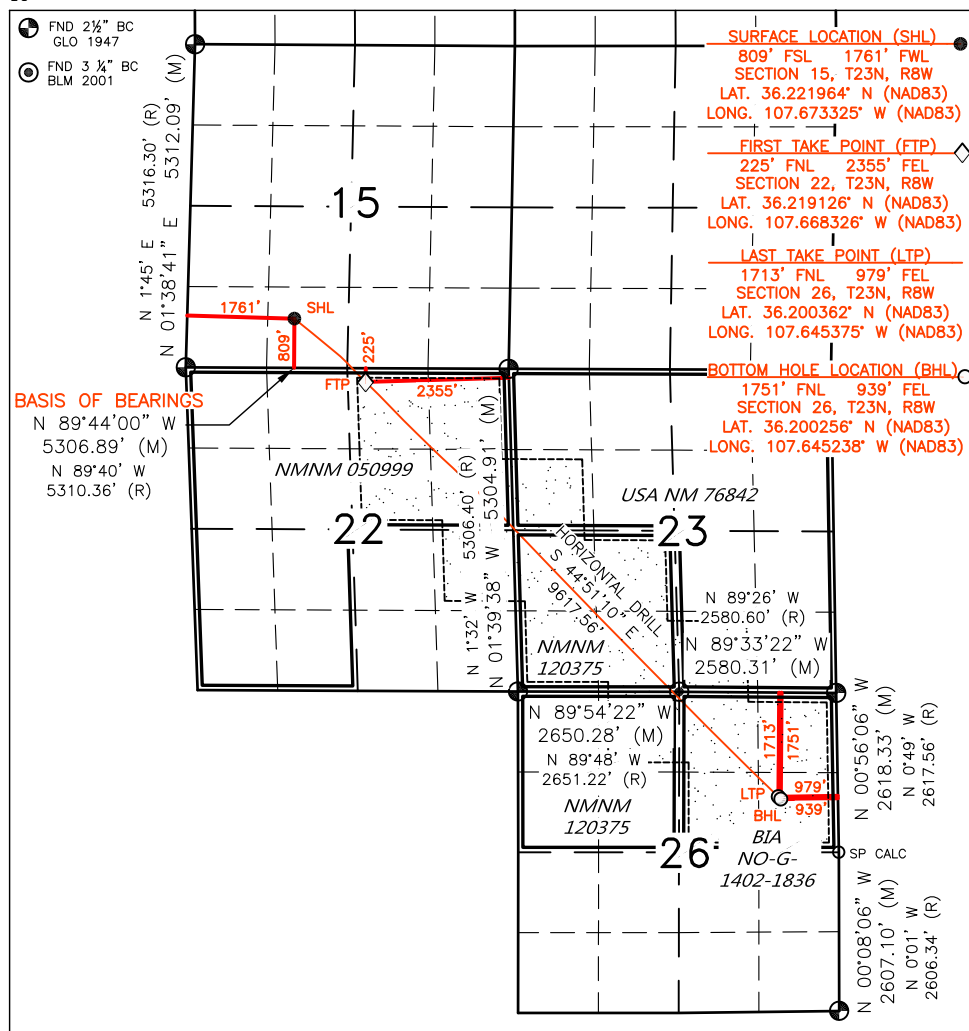
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	26	23N	8W		1751'	NORTH	939'	EAST	SAN JUAN

12 Dedicated Acres PENETRATED SPACING UNIT; SEC 22: NE/4, NE/SE (200 AC.); SEC 23: SW/NW, SW/4, SW/SE (240 AC.); SEC 26: NE/NW, NE/4 (200 AC.) = 640 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



18	17	OPERATOR CERTIFICATION
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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 3/8/24
Signature Date

Shaw-Marie Ford
Printed Name

sford@dirllc.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.

DECEMBER 15, 2022

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

11393



DJR

Betonnie Tsosie

N15 2308

209H

End of Well Report



www.scientificdrilling.com



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 209H - Slot 2
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6830' & RKB 26' @ 6856ft (H&P 443)
Site:	N15 2308 Pad	MD Reference:	GL 6830' & RKB 26' @ 6856ft (H&P 443)
Well:	# 209H	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	N15 2308 Pad		
Site Position:		Northing:	1,900,142.03 usft
From:	Lat/Long	Easting:	2,770,571.47 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.22199100
		Longitude:	-107.67236100

Well	# 209H - Slot 2		
Well Position	+N/-S	0 ft	Northing:
	+E/-W	0 ft	Easting:
Position Uncertainty	0 ft	Wellhead Elevation:	ft
Grid Convergence:	0.10 °		
		Latitude:	36.22198700
		Longitude:	-107.67229300
		Ground Level:	6830 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	11/18/2022	8.47	62.67	49,069.70000000

Design	Original Drilling				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0	0	0	134.74	

Survey Program	Date	12/14/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
436	4356	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4451	5378	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5467	15,145	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	
436	1.01	281.53	436	1	-4	-3	0.23	0.23	0.00	
528	1.88	147.64	528	0	-4	-2	2.91	0.95	-145.53	
619	3.68	134.38	619	-4	-1	2	2.09	1.98	-14.57	
711	6.30	129.50	710	-9	5	10	2.88	2.85	-5.30	
802	8.37	129.27	801	-16	14	22	2.27	2.27	-0.25	
893	10.83	129.27	890	-26	26	37	2.70	2.70	0.00	
983	12.43	127.40	979	-37	40	55	1.83	1.78	-2.08	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 209H - Slot 2
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6830' & RKB 26' @ 6856ft (H&P 443)
Site:	N15 2308 Pad	MD Reference:	GL 6830' & RKB 26' @ 6856ft (H&P 443)
Well:	# 209H	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	14.68	128.08	1067	-50	57	76	2.48	2.47	0.75	
1165	16.35	128.21	1155	-65	76	100	1.84	1.84	0.14	
1256	16.92	127.93	1242	-81	97	126	0.63	0.63	-0.31	
1347	15.82	128.31	1329	-97	117	151	1.21	-1.21	0.42	
1437	16.99	127.81	1416	-113	137	177	1.31	1.30	-0.56	
1527	17.99	128.80	1501	-130	158	203	1.16	1.11	1.10	
1617	16.57	127.77	1587	-146	179	230	1.61	-1.58	-1.14	
1708	14.83	126.12	1675	-161	199	254	1.97	-1.91	-1.81	
1799	14.55	131.12	1763	-175	217	277	1.43	-0.31	5.49	
1890	15.78	132.51	1851	-191	234	301	1.41	1.35	1.53	
1985	15.15	133.20	1942	-208	253	326	0.69	-0.66	0.73	
2079	15.98	131.64	2033	-225	272	352	0.99	0.88	-1.66	
2174	16.78	132.16	2124	-243	292	378	0.86	0.84	0.55	
2269	16.92	132.19	2215	-262	312	406	0.15	0.15	0.03	
2364	17.58	127.75	2306	-280	334	434	1.55	0.69	-4.67	
2459	16.53	127.34	2397	-297	356	462	1.11	-1.11	-0.43	
2554	16.18	127.53	2488	-313	377	488	0.37	-0.37	0.20	
2648	16.79	126.15	2578	-329	398	515	0.77	0.65	-1.47	
2743	14.87	130.11	2669	-345	419	540	2.32	-2.02	4.17	
2838	13.29	132.22	2761	-360	436	563	1.75	-1.66	2.22	
2933	13.59	128.45	2854	-375	453	585	0.97	0.32	-3.97	
3028	14.67	127.91	2946	-389	471	608	1.15	1.14	-0.57	
3123	15.41	129.11	3038	-404	490	633	0.85	0.78	1.26	
3218	16.52	129.87	3129	-421	511	659	1.19	1.17	0.80	
3312	16.07	129.31	3219	-438	531	685	0.51	-0.48	-0.60	
3407	15.27	128.62	3311	-454	551	711	0.86	-0.84	-0.73	
3502	16.09	128.76	3402	-470	571	736	0.86	0.86	0.15	
3597	14.20	128.67	3494	-485	590	761	1.99	-1.99	-0.09	
3692	14.81	129.87	3586	-500	609	785	0.72	0.64	1.26	
3787	16.15	131.41	3677	-517	628	810	1.48	1.41	1.62	
3882	15.75	133.18	3769	-535	647	836	0.66	-0.42	1.86	
3977	17.80	128.25	3860	-552	668	863	2.62	2.16	-5.19	
4072	16.45	128.82	3950	-570	690	891	1.43	-1.42	0.60	
4167	14.63	128.40	4042	-586	710	916	1.92	-1.92	-0.44	
4262	13.00	130.91	4134	-600	727	939	1.83	-1.72	2.64	
4356	12.33	130.30	4226	-614	743	960	0.73	-0.71	-0.65	
4451	14.01	126.86	4318	-627	760	981	1.95	1.77	-3.62	
4546	16.16	127.47	4410	-642	780	1006	2.27	2.26	0.64	
4641	16.80	127.51	4501	-658	801	1032	0.67	0.67	0.04	
4725	14.43	126.10	4582	-672	819	1055	2.86	-2.82	-1.68	
4820	19.85	135.16	4673	-690	840	1083	6.34	5.71	9.54	
4912	26.09	138.79	4758	-717	864	1118	6.95	6.78	3.95	
5007	36.34	140.78	4839	-754	896	1167	10.84	10.79	2.09	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 209H - Slot 2
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6830' & RKB 26' @ 6856ft (H&P 443)
Site:	N15 2308 Pad	MD Reference:	GL 6830' & RKB 26' @ 6856ft (H&P 443)
Well:	# 209H	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)
5102	47.39	139.39	4909	-803	937	1230	11.67	11.63	-1.46
5197	59.67	135.63	4966	-859	988	1306	13.31	12.93	-3.96
5292	70.22	134.59	5006	-920	1049	1392	11.15	11.11	-1.09
5378	82.35	135.11	5026	-978	1108	1476	14.12	14.10	0.60
5467	83.33	135.75	5037	-1041	1170	1564	1.31	1.10	0.72
5561	84.69	133.15	5047	-1107	1237	1658	3.11	1.45	-2.77
5655	88.02	135.21	5053	-1172	1304	1751	4.16	3.54	2.19
5748	90.81	136.15	5054	-1239	1369	1844	3.17	3.00	1.01
5843	90.97	136.77	5053	-1308	1434	1939	0.67	0.17	0.65
5937	90.84	136.05	5051	-1376	1499	2033	0.78	-0.14	-0.77
6031	89.43	134.60	5051	-1443	1565	2127	2.15	-1.50	-1.54
6124	91.85	134.78	5050	-1508	1631	2220	2.61	2.60	0.19
6218	92.35	135.21	5046	-1574	1698	2314	0.70	0.53	0.46
6312	92.04	135.06	5043	-1641	1764	2408	0.37	-0.33	-0.16
6407	92.05	134.98	5039	-1708	1831	2503	0.08	0.01	-0.08
6501	91.04	135.44	5037	-1775	1897	2597	1.18	-1.07	0.49
6594	91.14	135.20	5035	-1841	1963	2690	0.28	0.11	-0.26
6688	90.60	135.13	5034	-1908	2029	2784	0.58	-0.57	-0.07
6781	89.43	134.81	5034	-1973	2095	2877	1.30	-1.26	-0.34
6876	89.06	134.85	5035	-2040	2162	2972	0.39	-0.39	0.04
6969	89.20	134.84	5036	-2106	2228	3065	0.15	0.15	-0.01
7063	88.96	134.60	5038	-2172	2295	3159	0.36	-0.26	-0.26
7157	90.44	134.78	5038	-2238	2362	3253	1.59	1.57	0.19
7251	91.68	134.98	5037	-2304	2428	3347	1.34	1.32	0.21
7344	91.14	134.41	5034	-2370	2494	3440	0.84	-0.58	-0.61
7438	91.21	134.04	5032	-2435	2562	3534	0.40	0.07	-0.39
7532	91.68	133.97	5030	-2501	2629	3628	0.51	0.50	-0.07
7626	91.65	133.63	5027	-2566	2697	3722	0.36	-0.03	-0.36
7721	90.97	133.01	5025	-2631	2766	3817	0.97	-0.72	-0.65
7815	89.56	131.63	5025	-2694	2836	3911	2.10	-1.50	-1.47
7908	89.73	131.69	5025	-2756	2905	4003	0.19	0.18	0.06
8002	89.16	132.48	5026	-2819	2975	4097	1.04	-0.61	0.84
8096	89.33	133.30	5027	-2883	3044	4191	0.89	0.18	0.87
8190	89.87	135.92	5028	-2949	3111	4285	2.85	0.57	2.79
8285	90.10	136.04	5028	-3017	3177	4380	0.27	0.24	0.13
8378	90.84	136.84	5027	-3085	3241	4473	1.17	0.80	0.86
8472	91.01	137.24	5026	-3153	3305	4567	0.46	0.18	0.43
8566	90.57	136.51	5025	-3222	3369	4661	0.91	-0.47	-0.78
8660	90.70	138.13	5023	-3291	3433	4755	1.73	0.14	1.72
8753	90.67	138.03	5022	-3360	3495	4848	0.11	-0.03	-0.11
8846	90.94	138.02	5021	-3429	3557	4941	0.29	0.29	-0.01
8940	89.56	136.52	5021	-3498	3621	5035	2.17	-1.47	-1.60
9034	89.60	136.20	5021	-3566	3686	5129	0.34	0.04	-0.34
9128	89.70	135.84	5022	-3634	3751	5222	0.40	0.11	-0.38



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 209H - Slot 2
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6830' & RKB 26' @ 6856ft (H&P 443)
Site:	N15 2308 Pad	MD Reference:	GL 6830' & RKB 26' @ 6856ft (H&P 443)
Well:	# 209H	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)
9222	89.93	135.70	5022	-3701	3817	5316	0.29	0.24	-0.15
9317	90.34	135.52	5022	-3769	3883	5411	0.47	0.43	-0.19
9411	90.60	135.20	5021	-3836	3949	5505	0.44	0.28	-0.34
9505	90.50	134.80	5020	-3903	4016	5599	0.44	-0.11	-0.43
9599	90.44	133.98	5020	-3968	4083	5693	0.87	-0.06	-0.87
9694	90.07	135.61	5019	-4035	4150	5788	1.76	-0.39	1.72
9788	89.70	135.11	5019	-4102	4216	5882	0.66	-0.39	-0.53
9882	90.23	136.41	5019	-4170	4282	5976	1.49	0.56	1.38
9976	90.30	136.31	5019	-4238	4347	6070	0.13	0.07	-0.11
10,070	90.37	135.65	5018	-4305	4412	6164	0.71	0.07	-0.70
10,164	90.54	135.34	5018	-4372	4478	6258	0.38	0.18	-0.33
10,257	90.60	135.01	5017	-4438	4544	6351	0.36	0.06	-0.35
10,347	89.90	136.52	5016	-4503	4606	6441	1.85	-0.78	1.68
10,438	89.83	136.96	5017	-4569	4669	6532	0.49	-0.08	0.48
10,529	90.10	136.91	5017	-4635	4731	6623	0.30	0.30	-0.05
10,619	89.87	136.93	5017	-4701	4792	6713	0.26	-0.26	0.02
10,709	89.63	136.42	5017	-4767	4854	6803	0.63	-0.27	-0.57
10,800	89.36	135.80	5018	-4832	4917	6894	0.74	-0.30	-0.68
10,891	88.96	135.02	5019	-4897	4981	6985	0.96	-0.44	-0.86
10,981	89.53	136.61	5020	-4962	5044	7075	1.88	0.63	1.77
11,071	88.49	135.45	5022	-5026	5106	7165	1.73	-1.16	-1.29
11,161	90.03	137.00	5023	-5091	5168	7255	2.43	1.71	1.72
11,251	90.84	136.92	5022	-5157	5230	7345	0.90	0.90	-0.09
11,342	90.64	137.00	5021	-5224	5292	7436	0.24	-0.22	0.09
11,432	90.60	136.41	5020	-5289	5354	7526	0.66	-0.04	-0.66
11,524	90.64	136.33	5019	-5356	5417	7618	0.10	0.04	-0.09
11,614	91.04	136.03	5018	-5421	5480	7708	0.56	0.44	-0.33
11,705	91.04	135.95	5016	-5486	5543	7799	0.09	0.00	-0.09
11,797	90.70	135.26	5015	-5552	5607	7891	0.84	-0.37	-0.75
11,888	90.07	134.44	5014	-5616	5672	7982	1.14	-0.69	-0.90
11,980	89.40	133.86	5015	-5680	5738	8074	0.96	-0.73	-0.63
12,072	89.70	134.06	5015	-5744	5804	8166	0.39	0.33	0.22
12,164	88.42	134.58	5017	-5808	5870	8258	1.50	-1.39	0.57
12,255	88.39	134.43	5019	-5872	5935	8348	0.17	-0.03	-0.16
12,347	88.89	134.22	5022	-5936	6000	8440	0.59	0.54	-0.23
12,437	88.69	134.01	5024	-5999	6065	8530	0.32	-0.22	-0.23
12,528	90.30	135.29	5024	-6063	6130	8621	2.26	1.77	1.41
12,619	91.24	137.71	5023	-6129	6192	8712	2.85	1.03	2.66
12,709	91.64	137.92	5021	-6195	6253	8802	0.50	0.44	0.23
12,800	91.17	137.67	5019	-6263	6314	8893	0.58	-0.52	-0.27
12,891	90.84	136.44	5017	-6329	6376	8984	1.40	-0.36	-1.35
12,982	90.27	135.43	5016	-6395	6439	9075	1.27	-0.63	-1.11
13,073	91.44	135.32	5015	-6460	6503	9166	1.29	1.29	-0.12



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 209H - Slot 2
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6830' & RKB 26' @ 6856ft (H&P 443)
Site:	N15 2308 Pad	MD Reference:	GL 6830' & RKB 26' @ 6856ft (H&P 443)
Well:	# 209H	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)	
13,163	92.42	134.47	5012	-6523	6567	9256	1.44	1.09	-0.94	
13,254	93.06	134.90	5007	-6587	6631	9347	0.85	0.70	0.47	
13,344	91.51	135.35	5004	-6651	6695	9437	1.79	-1.72	0.50	
13,435	91.38	135.17	5001	-6715	6759	9528	0.24	-0.14	-0.20	
13,525	91.17	134.61	4999	-6779	6823	9618	0.66	-0.23	-0.62	
13,616	90.74	133.81	4998	-6842	6888	9709	1.00	-0.47	-0.88	
13,706	89.09	132.42	4998	-6904	6953	9799	2.40	-1.83	-1.54	
13,798	90.27	134.87	4999	-6967	7020	9891	2.96	1.28	2.66	
13,890	89.73	134.86	4999	-7032	7085	9983	0.59	-0.59	-0.01	
13,979	90.60	134.73	4998	-7095	7148	10,072	0.99	0.98	-0.15	
14,070	90.91	134.64	4997	-7159	7213	10,163	0.35	0.34	-0.10	
14,160	90.27	134.28	4996	-7222	7277	10,253	0.82	-0.71	-0.40	
14,250	90.91	135.32	4995	-7285	7341	10,343	1.36	0.71	1.16	
14,340	90.30	134.86	4994	-7349	7405	10,433	0.85	-0.68	-0.51	
14,431	91.14	134.63	4993	-7413	7469	10,524	0.96	0.92	-0.25	
14,523	89.46	132.72	4993	-7477	7536	10,615	2.76	-1.83	-2.08	
14,613	90.37	133.84	4993	-7538	7601	10,705	1.60	1.01	1.24	
14,702	91.48	135.01	4991	-7601	7665	10,794	1.81	1.25	1.31	
14,792	90.97	134.56	4990	-7664	7729	10,884	0.76	-0.57	-0.50	
14,883	90.84	134.13	4988	-7728	7794	10,975	0.49	-0.14	-0.47	
14,973	91.07	134.07	4987	-7790	7859	11,065	0.26	0.26	-0.07	
15,067	91.51	134.11	4984	-7856	7926	11,159	0.47	0.47	0.04	
15,089	91.58	133.70	4984	-7871	7942	11,181	1.89	0.32	-1.86	
15,145	91.58	133.70	4982	-7909	7982	11,237	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
209H Toe Rev 1	0.00	0.00	4985	-7911	7983	1,892,242.91	2,778,587.49	36.20025181	-107.64523609
- actual wellpath misses target center by 3ft at 15145ft MD (4982 TVD, -7909 N, 7982 E)									
- Circle (radius 100)									
209H 85° Casing	0.00	0.00	5033	-1015	1188	1,899,127.27	2,771,780.76	36.21919778	-107.66826701
- actual wellpath misses target center by 31ft at 5460ft MD (5037 TVD, -1037 N, 1165 E)									
- Point									
209H Heel	0.00	0.00	5048	-1179	1351	1,898,963.57	2,771,944.95	36.21874730	-107.66771130
- actual wellpath misses target center by 29ft at 5693ft MD (5054 TVD, -1199 N, 1331 E)									
- Circle (radius 50)									



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 209H - Slot 2
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6830' & RKB 26' @ 6856ft (H&P 443)
Site:	N15 2308 Pad	MD Reference:	GL 6830' & RKB 26' @ 6856ft (H&P 443)
Well:	# 209H	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		Comment
		+N/-S (ft)	+E/-W (ft)	
436	436	1	-4	First Surface MWD Survey
4356	4226	-614	743	Last Surface MWD Survey
4451	4318	-627	760	First Curve MWD Survey
5378	5026	-978	1108	Last Curve MWD Survey
5467	5037	-1041	1170	First Lateral MWD Survey
15,089	4984	-7871	7942	Last Lateral MWD Survey
15,145	4982	-7909	7982	Projection to TD

**Directional Survey Certification**

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

Operator	DJR Operating
Well Name & No.	Betonnies Tsosie N15 2308 209H
County & State	San Juan, NM
SDI Job No.	OP.037291
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 436 feet to a measured depth of 15,145 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

14-Dec-22

Date

Janie Collins

Colorado District Well Planner
Scientific Drilling International

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 323196

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 323196
	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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CONDITIONS

Action 323196

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 323196
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 7/1/2024.	4/1/2024