

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 30-045-38273	⁵ Pool Name Betonnies Tsoie Wash Unit Mancos Oil		⁶ Pool Code 98175
⁷ Property Code 325179	⁸ Property Name Betonnies Tsoie Wash Unit		⁹ Well Number 206H

II. ¹⁰ Surface Location

UL or lot no. L	Section 14	Township 23N	Range 08W	Lot Idn	Feet from the 2467'	North/South line South	Feet from the 128'	East/West line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. P	Section 23	Township 23N	Range 08W	Lot Idn	Feet from the 1255'	North/South line South	Feet from the 383'	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
	~N2 Frac-Gas will be flared during flowback & until N2 & O2 is cleaned from the wellbore~	

IV. Well Completion Data

²¹ Spud Date 10/19/22	²² Ready Date 04/06/24	²³ TD 12,390' MD 5,050' TVD	²⁴ PBTD 12,371' MD 5,050' TVD	²⁵ Perforations 5,925' – 12,323' MD 5,050' – 5,127'TVD FracSleeve @ 12,335'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
12.25"		9.625" 36# J55		389'	
8.75"		7" 26# J55		5,702'	
6.125"		4.5" 11.6# P110		12,385'	

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 Approved by: <i>PATRICIA MARTINEZ</i>	
Printed name: Shaw-Marie Ford		Title: <i>PETROLEUM SPECIALIST</i>	
Title: Regulatory Specialist		Approval Date: <i>4/1/2024</i>	
E-mail Address: sford@enduringresources.com		<i>RT EXPIRES 7/1/2024</i>	
Date: 3/25/2024	Phone: 505-716-3297		

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 30-045-38273	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 206H
⁷ GRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6879'

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
L	14	23N	8W		2467'	SOUTH	128'	WEST	SAN JUAN

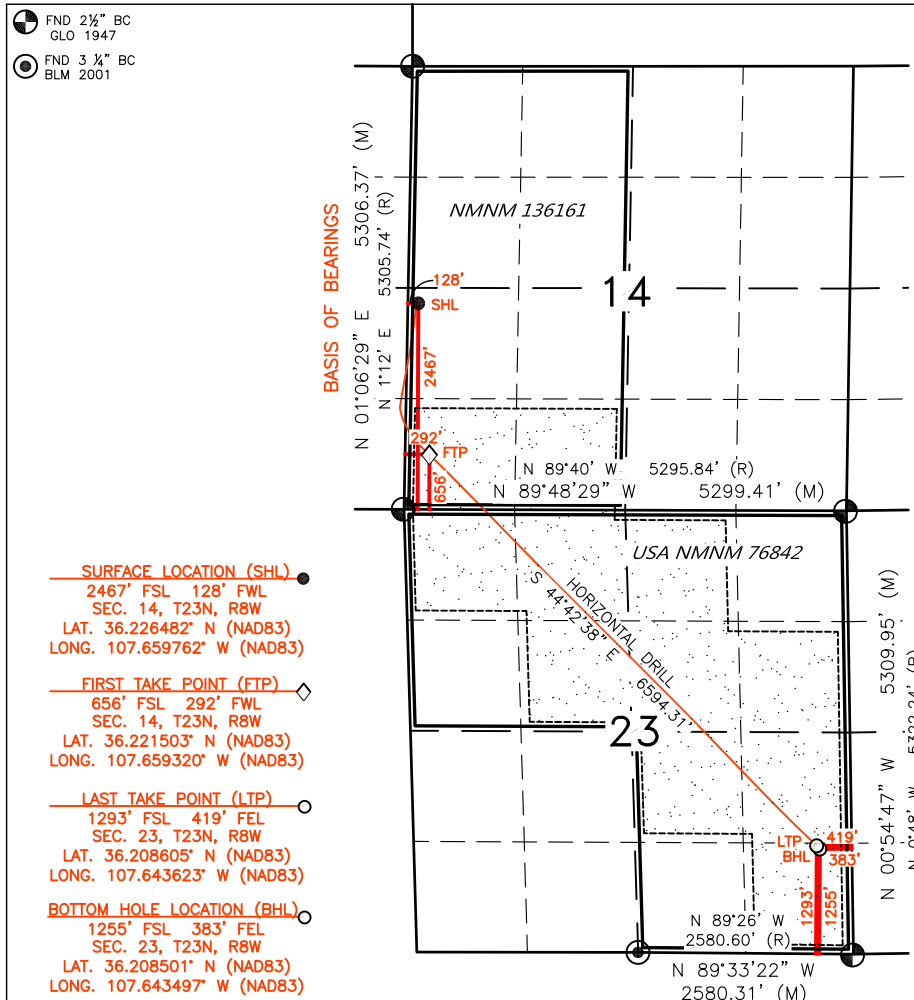
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	23N	8W		1255'	SOUTH	383'	EAST	SAN JUAN

¹² Dedicated Acres SEC 14: SW/SW & SE/SW (80 AC.); SEC 23: NW/NW, NE/NW, SE/NW, NW/NE, SW/NE, SE/NE, NW/SE, NE/SE & SE/SE (360 AC.) = 440 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 01/13/23
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.

JANUARY 9, 2023

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number 11393



DJR

Betonnies Tsosie

L14 2308

206H

End of Well Report



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www.scientificdrilling.com





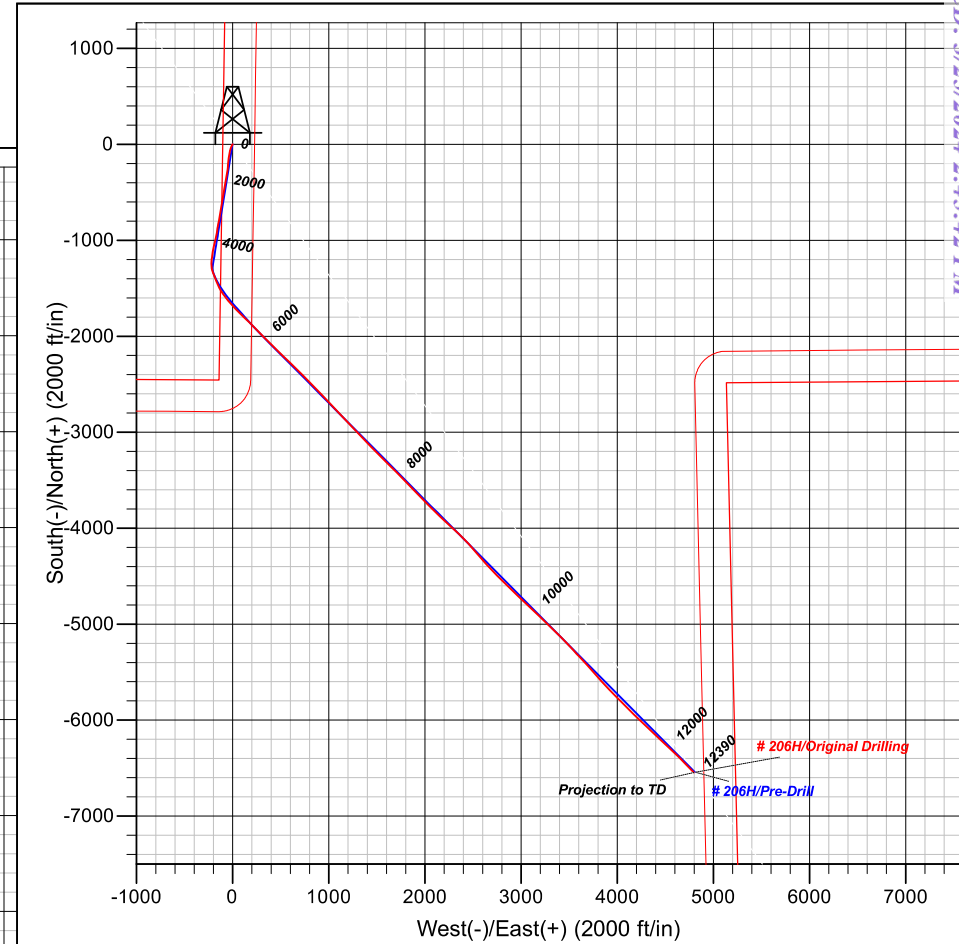
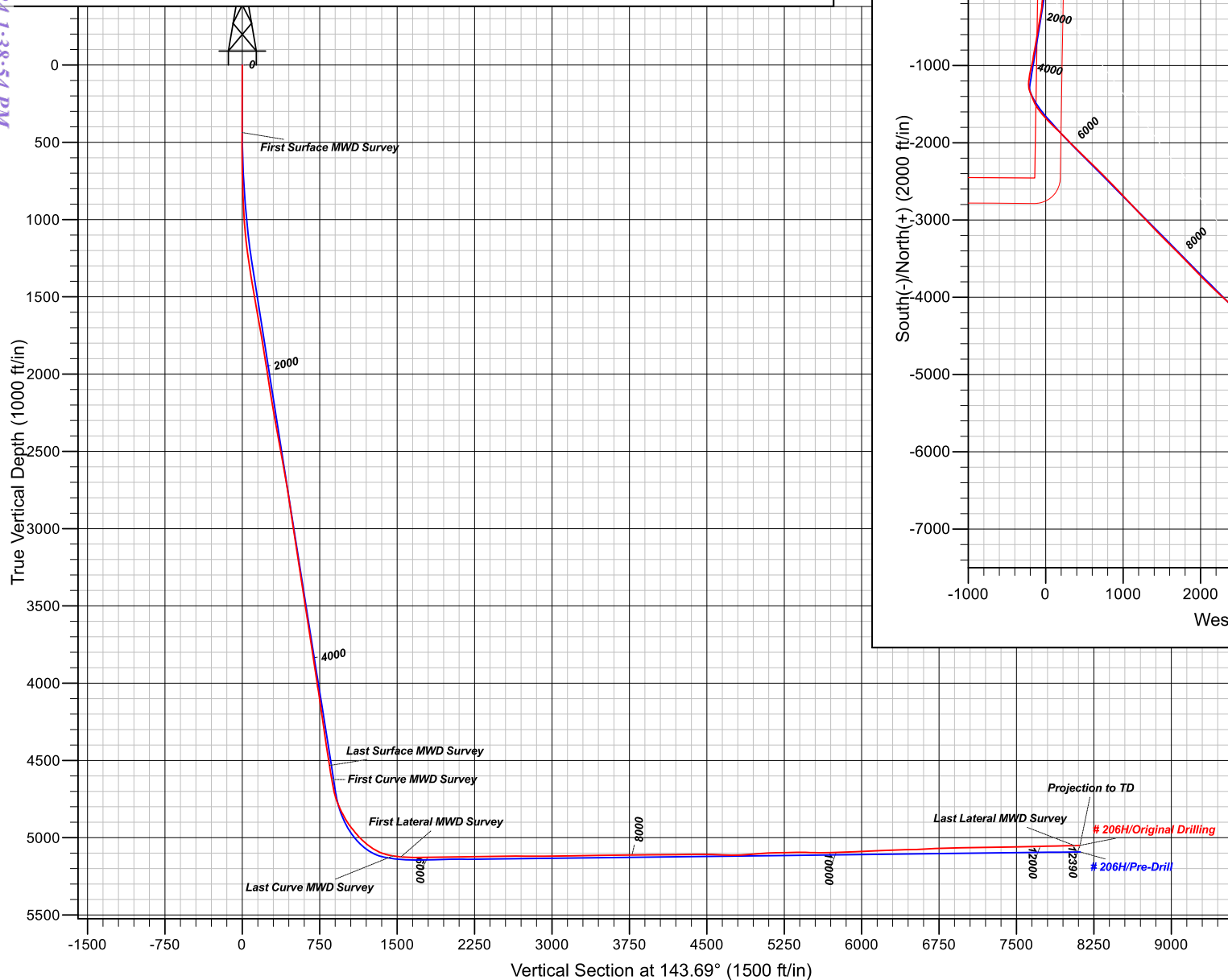
Company Name: DJR Operating
Project: Bettonnie Tsosie Unit
Site: L14 2308 Pad
Well: # 206H
Wellbore: Original Drilling



WELL DETAILS: # 206H

GL 6879' & RKB 26' @ 6905ft (H&P 443) 6879

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0	0	1901783.27	2774284.70	36.22648200	-107.65976200



Design: Original Drilling (# 206H/Original Drilling)

Created By: Janie Collins Date: 13:35, January 05 2023

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
L14 2308 Pad
206H**

Original Drilling

Design: Original Drilling

Standard Survey Report

05 January, 2023



www.scientificdrilling.com



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Site:	L14 2308 Pad	MD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Well:	# 206H	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	L14 2308 Pad		
Site Position:		Northing:	1,901,783.27 usft
From:	Lat/Long	Easting:	2,774,284.70 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.22648200
		Longitude:	-107.65976200
		Grid Convergence:	0.10 °

Well	# 206H		
Well Position	+N/-S	0 ft	Northing:
	+E/-W	0 ft	Easting:
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.22648200
		Longitude:	-107.65976200
		Ground Level:	6879 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	12/21/2022	8.45	62.68	49,062.10000000

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	143.69	

Survey Program	Date	1/3/2023			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
437	4733	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4828	5658	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5739	12,390	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	
437	0.65	16.68	437	2	1	-1	0.15	0.15	0.00	
529	0.55	231.88	529	3	1	-2	1.24	-0.11	-157.39	
620	2.15	204.05	620	1	-1	-1	1.85	1.76	-30.58	
710	3.89	206.01	710	-4	-3	1	1.94	1.93	2.18	
800	5.69	207.29	800	-10	-6	5	2.00	2.00	1.42	
892	7.74	206.48	891	-20	-11	10	2.23	2.23	-0.88	
983	10.51	200.85	981	-33	-16	17	3.19	3.04	-6.19	
1074	12.23	197.51	1070	-50	-22	27	2.02	1.89	-3.67	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Site:	L14 2308 Pad	MD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Well:	# 206H	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)	
1164	15.23	193.56	1157	-71	-28	40	3.49	3.33	-4.39	
1255	16.53	190.68	1245	-95	-33	57	1.67	1.43	-3.16	
1345	18.10	187.65	1331	-121	-37	76	2.01	1.74	-3.37	
1434	18.89	187.17	1415	-149	-41	96	0.90	0.89	-0.54	
1525	19.17	184.51	1501	-179	-44	118	1.00	0.31	-2.92	
1615	20.39	185.71	1586	-209	-47	141	1.43	1.36	1.33	
1706	19.68	184.16	1671	-240	-49	164	0.97	-0.78	-1.70	
1796	18.80	186.58	1756	-270	-52	186	1.32	-0.98	2.69	
1887	18.25	189.16	1843	-298	-56	207	1.08	-0.60	2.84	
1981	18.38	188.86	1932	-328	-61	228	0.17	0.14	-0.32	
2076	19.89	191.65	2022	-358	-66	249	1.86	1.59	2.94	
2171	19.87	191.95	2111	-390	-73	271	0.11	-0.02	0.32	
2266	20.09	189.86	2200	-422	-79	293	0.79	0.23	-2.20	
2361	20.14	190.75	2289	-454	-85	315	0.33	0.05	0.94	
2456	21.47	189.95	2378	-487	-91	339	1.43	1.40	-0.84	
2551	22.30	189.31	2466	-522	-97	363	0.91	0.87	-0.67	
2645	21.37	188.59	2554	-557	-102	388	1.03	-0.99	-0.77	
2740	20.00	187.93	2643	-590	-107	412	1.46	-1.44	-0.69	
2835	18.78	188.70	2732	-621	-112	434	1.31	-1.28	0.81	
2930	18.18	190.10	2822	-651	-117	455	0.79	-0.63	1.47	
3025	18.29	190.53	2913	-680	-122	476	0.18	0.12	0.45	
3120	18.71	190.31	3003	-710	-127	496	0.45	0.44	-0.23	
3215	18.21	191.39	3093	-739	-133	517	0.64	-0.53	1.14	
3309	19.19	190.24	3182	-769	-139	537	1.11	1.04	-1.22	
3404	17.62	189.22	3272	-798	-144	558	1.69	-1.65	-1.07	
3499	18.34	190.39	3362	-827	-149	578	0.85	0.76	1.23	
3594	19.16	190.23	3452	-857	-154	599	0.86	0.86	-0.17	
3689	18.19	188.18	3542	-887	-159	621	1.23	-1.02	-2.16	
3783	18.98	190.81	3631	-917	-164	642	1.23	0.84	2.80	
3878	18.37	190.45	3721	-947	-170	662	0.65	-0.64	-0.38	
3973	18.08	190.06	3812	-976	-175	683	0.33	-0.31	-0.41	
4068	18.83	193.00	3902	-1005	-181	703	1.26	0.79	3.09	
4163	20.94	195.70	3991	-1037	-189	723	2.42	2.22	2.84	
4258	18.69	194.03	4080	-1068	-197	744	2.44	-2.37	-1.76	
4353	18.26	188.62	4170	-1097	-203	764	1.86	-0.45	-5.69	
4448	15.43	186.98	4261	-1124	-207	783	3.02	-2.98	-1.73	
4543	17.71	189.68	4352	-1151	-211	803	2.53	2.40	2.84	
4638	18.59	187.12	4443	-1181	-215	824	1.25	0.93	-2.69	
4733	17.01	183.42	4533	-1209	-218	845	2.04	-1.66	-3.89	
4828	18.01	182.71	4624	-1238	-220	868	1.08	1.05	-0.75	
4849	19.29	182.46	4644	-1245	-220	873	6.11	6.10	-1.19	
4910	21.32	180.31	4701	-1266	-220	890	3.54	3.33	-3.52	
5005	34.26	163.22	4785	-1309	-213	929	15.87	13.62	-17.99	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Site:	L14 2308 Pad	MD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Well:	# 206H	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)
5100	40.38	158.61	4860	-1363	-194	984	7.08	6.44	-4.85
5195	48.96	158.84	4928	-1425	-170	1048	9.03	9.03	0.24
5290	53.87	152.97	4987	-1493	-139	1121	7.07	5.17	-6.18
5385	60.90	145.08	5038	-1561	-98	1200	10.18	7.40	-8.31
5480	68.92	140.60	5079	-1630	-46	1286	9.46	8.44	-4.72
5575	78.70	135.88	5105	-1698	15	1377	11.34	10.29	-4.97
5658	84.08	135.10	5118	-1756	72	1458	6.55	6.48	-0.94
5739	87.08	133.17	5124	-1813	130	1538	4.40	3.70	-2.38
5833	88.72	134.96	5127	-1878	198	1630	2.58	1.74	1.90
5927	90.60	135.71	5128	-1945	264	1723	2.15	2.00	0.80
6021	90.23	135.13	5127	-2012	330	1816	0.73	-0.39	-0.62
6115	91.34	134.90	5126	-2078	396	1909	1.21	1.18	-0.24
6209	91.14	134.55	5124	-2144	463	2002	0.43	-0.21	-0.37
6303	90.40	134.26	5123	-2210	530	2095	0.85	-0.79	-0.31
6396	89.46	133.26	5123	-2274	597	2186	1.48	-1.01	-1.08
6490	90.07	134.20	5123	-2339	665	2279	1.19	0.65	1.00
6583	91.01	135.63	5122	-2405	731	2371	1.84	1.01	1.54
6677	90.64	136.70	5121	-2473	796	2464	1.20	-0.39	1.14
6770	90.47	136.60	5120	-2540	860	2556	0.21	-0.18	-0.11
6864	90.10	136.13	5119	-2608	925	2650	0.64	-0.39	-0.50
6958	89.40	135.95	5120	-2676	990	2743	0.77	-0.74	-0.19
7051	90.44	137.00	5120	-2744	1054	2835	1.59	1.12	1.13
7145	89.87	136.59	5120	-2812	1119	2928	0.75	-0.61	-0.44
7238	91.01	136.97	5119	-2880	1182	3021	1.29	1.23	0.41
7332	90.77	136.43	5118	-2948	1247	3114	0.63	-0.26	-0.57
7426	90.27	136.04	5117	-3016	1312	3207	0.67	-0.53	-0.41
7521	89.77	135.76	5117	-3084	1378	3301	0.60	-0.53	-0.29
7615	91.18	135.97	5116	-3152	1443	3394	1.52	1.50	0.22
7709	91.28	135.58	5114	-3219	1509	3488	0.43	0.11	-0.41
7799	90.84	135.70	5112	-3283	1572	3577	0.51	-0.49	0.13
7891	90.54	135.02	5111	-3349	1636	3668	0.81	-0.33	-0.74
7980	89.70	134.88	5111	-3412	1699	3756	0.96	-0.94	-0.16
8070	90.20	135.67	5111	-3476	1763	3845	1.04	0.56	0.88
8160	89.56	135.81	5111	-3540	1826	3934	0.73	-0.71	0.16
8251	90.74	136.40	5111	-3606	1889	4024	1.45	1.30	0.65
8342	90.27	136.00	5110	-3671	1952	4114	0.68	-0.52	-0.44
8432	90.20	135.17	5110	-3736	2015	4203	0.93	-0.08	-0.92
8524	90.74	135.27	5109	-3801	2079	4294	0.60	0.59	0.11
8614	90.24	133.53	5108	-3864	2144	4383	2.01	-0.56	-1.93
8704	89.80	132.92	5108	-3926	2209	4472	0.84	-0.49	-0.68
8794	89.26	132.29	5109	-3987	2276	4560	0.92	-0.60	-0.70
8884	88.39	133.78	5111	-4048	2341	4648	1.92	-0.97	1.66
8975	89.06	134.96	5113	-4112	2406	4738	1.49	0.74	1.30



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Site:	L14 2308 Pad	MD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Well:	# 206H	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)
9066	91.88	138.57	5112	-4178	2469	4828	5.03	3.10	3.97
9157	92.99	139.68	5108	-4247	2528	4919	1.72	1.22	1.22
9247	93.32	139.25	5103	-4315	2587	5009	0.60	0.37	-0.48
9338	91.38	138.16	5099	-4383	2647	5099	2.44	-2.13	-1.20
9429	91.14	136.47	5097	-4450	2708	5190	1.88	-0.26	-1.86
9520	90.70	134.85	5096	-4515	2772	5280	1.84	-0.48	-1.78
9610	90.07	133.71	5095	-4578	2836	5369	1.45	-0.70	-1.27
9701	89.97	133.74	5095	-4641	2902	5458	0.11	-0.11	0.03
9792	88.89	133.50	5096	-4704	2968	5548	1.22	-1.19	-0.26
9882	90.34	133.03	5097	-4765	3033	5636	1.69	1.61	-0.52
9974	90.70	134.40	5096	-4829	3100	5727	1.54	0.39	1.49
10,064	92.35	134.55	5094	-4892	3164	5816	1.84	1.83	0.17
10,155	91.44	133.51	5091	-4955	3230	5905	1.52	-1.00	-1.14
10,246	91.28	133.94	5089	-5018	3295	5995	0.50	-0.18	0.47
10,337	91.88	134.65	5086	-5082	3360	6085	1.02	0.66	0.78
10,427	91.14	135.32	5084	-5145	3424	6174	1.11	-0.82	0.74
10,518	91.58	135.71	5081	-5210	3488	6264	0.65	0.48	0.43
10,608	91.24	137.70	5079	-5276	3549	6353	2.24	-0.38	2.21
10,698	90.23	136.50	5078	-5341	3611	6442	1.74	-1.12	-1.33
10,789	92.08	138.77	5076	-5409	3672	6533	3.22	2.03	2.49
10,881	91.74	138.51	5073	-5478	3733	6624	0.47	-0.37	-0.28
10,971	91.81	138.14	5070	-5545	3793	6714	0.42	0.08	-0.41
11,062	91.31	137.62	5068	-5612	3854	6805	0.79	-0.55	-0.57
11,153	90.50	136.61	5066	-5679	3916	6895	1.42	-0.89	-1.11
11,244	91.31	135.83	5065	-5745	3978	6985	1.24	0.89	-0.86
11,335	90.20	135.11	5064	-5810	4042	7075	1.45	-1.22	-0.79
11,425	90.47	134.71	5063	-5873	4106	7164	0.54	0.30	-0.44
11,517	91.04	134.57	5062	-5938	4171	7255	0.64	0.62	-0.15
11,608	90.74	134.14	5061	-6001	4237	7345	0.58	-0.33	-0.47
11,700	90.23	133.18	5060	-6065	4303	7435	1.18	-0.55	-1.04
11,792	90.81	133.65	5059	-6128	4370	7526	0.81	0.63	0.51
11,884	91.01	133.26	5058	-6191	4437	7616	0.48	0.22	-0.42
11,976	90.50	132.34	5056	-6254	4504	7707	1.14	-0.55	-1.00
12,066	90.81	133.92	5055	-6315	4570	7795	1.79	0.34	1.76
12,156	91.07	134.48	5054	-6378	4634	7884	0.69	0.29	0.62
12,247	90.77	135.86	5052	-6443	4699	7974	1.55	-0.33	1.52
12,337	91.14	135.80	5051	-6507	4761	8063	0.42	0.41	-0.07
12,390	91.14	135.80	5050	-6545	4798	8116	0.00	0.00	0.00



Scientific Drilling
Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H
Project:	Betonne Tsosie Unit	TVD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Site:	L14 2308 Pad	MD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Well:	# 206H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

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
206H Toe - actual wellpath misses target center by 43ft at 12390ft MD (5050 TVD, -6545 N, 4798 E) - Circle (radius 100)	0.00	0.00	5092	-6541	4807	1,895,250.48	2,779,103.82	36.20851108	-107.64346610
206H 85° Casing - actual wellpath misses target center by 24ft at 5604ft MD (5110 TVD, -1718 N, 35 E) - Point	0.00	0.00	5129	-1705	43	1,900,077.85	2,774,331.07	36.22179686	-107.65961515
206H Heel - actual wellpath misses target center by 17ft at 5839ft MD (5127 TVD, -1882 N, 202 E) - Circle (radius 50)	0.00	0.00	5144	-1884	200	1,899,899.56	2,774,487.62	36.22130630	-107.65908550

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
437	437	2	1	First Surface MWD Survey
4733	4533	-1209	-218	Last Surface MWD Survey
4828	4624	-1238	-220	First Curve MWD Survey
5658	5118	-1756	72	Last Curve MWD Survey
5739	5124	-1813	130	First Lateral MWD Survey
12,337	5051	-6507	4761	Last Lateral MWD Survey
12,390	5050	-6545	4798	Projection to TD

Checked By: _____ Approved By: _____ Date: _____



DJR Operating

**Betonne Tsoie Unit
L14 2308 Pad
206H**

Original Drilling

Design: Original Drilling

Standard Survey Report

05 January, 2023



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Site:	L14 2308 Pad	MD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Well:	# 206H	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	L14 2308 Pad		
Site Position:		Northing:	1,901,783.27 usft
From:	Lat/Long	Easting:	2,774,284.70 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.22648200
		Longitude:	-107.65976200
		Grid Convergence:	0.10 °

Well	# 206H		
Well Position	+N/-S	0 ft	Northing:
	+E/-W	0 ft	Easting:
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.22648200
		Longitude:	-107.65976200
		Ground Level:	6879 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	12/21/2022	8.45	62.68	49,062.10000000

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	143.69

Survey Program	Date	1/3/2023		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
437	4733	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
4828	5658	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
5739	12,390	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	
437	0.65	16.68	437	2	1	-1	0.15	0.15	0.00	
529	0.55	231.88	529	3	1	-2	1.24	-0.11	-157.39	
620	2.15	204.05	620	1	-1	-1	1.85	1.76	-30.58	
710	3.89	206.01	710	-4	-3	1	1.94	1.93	2.18	
800	5.69	207.29	800	-10	-6	5	2.00	2.00	1.42	
892	7.74	206.48	891	-20	-11	10	2.23	2.23	-0.88	
983	10.51	200.85	981	-33	-16	17	3.19	3.04	-6.19	
1074	12.23	197.51	1070	-50	-22	27	2.02	1.89	-3.67	



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Site:	L14 2308 Pad	MD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Well:	# 206H	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)	
1164	15.23	193.56	1157	-71	-28	40	3.49	3.33	-4.39	
1255	16.53	190.68	1245	-95	-33	57	1.67	1.43	-3.16	
1345	18.10	187.65	1331	-121	-37	76	2.01	1.74	-3.37	
1434	18.89	187.17	1415	-149	-41	96	0.90	0.89	-0.54	
1525	19.17	184.51	1501	-179	-44	118	1.00	0.31	-2.92	
1615	20.39	185.71	1586	-209	-47	141	1.43	1.36	1.33	
1706	19.68	184.16	1671	-240	-49	164	0.97	-0.78	-1.70	
1796	18.80	186.58	1756	-270	-52	186	1.32	-0.98	2.69	
1887	18.25	189.16	1843	-298	-56	207	1.08	-0.60	2.84	
1981	18.38	188.86	1932	-328	-61	228	0.17	0.14	-0.32	
2076	19.89	191.65	2022	-358	-66	249	1.86	1.59	2.94	
2171	19.87	191.95	2111	-390	-73	271	0.11	-0.02	0.32	
2266	20.09	189.86	2200	-422	-79	293	0.79	0.23	-2.20	
2361	20.14	190.75	2289	-454	-85	315	0.33	0.05	0.94	
2456	21.47	189.95	2378	-487	-91	339	1.43	1.40	-0.84	
2551	22.30	189.31	2466	-522	-97	363	0.91	0.87	-0.67	
2645	21.37	188.59	2554	-557	-102	388	1.03	-0.99	-0.77	
2740	20.00	187.93	2643	-590	-107	412	1.46	-1.44	-0.69	
2835	18.78	188.70	2732	-621	-112	434	1.31	-1.28	0.81	
2930	18.18	190.10	2822	-651	-117	455	0.79	-0.63	1.47	
3025	18.29	190.53	2913	-680	-122	476	0.18	0.12	0.45	
3120	18.71	190.31	3003	-710	-127	496	0.45	0.44	-0.23	
3215	18.21	191.39	3093	-739	-133	517	0.64	-0.53	1.14	
3309	19.19	190.24	3182	-769	-139	537	1.11	1.04	-1.22	
3404	17.62	189.22	3272	-798	-144	558	1.69	-1.65	-1.07	
3499	18.34	190.39	3362	-827	-149	578	0.85	0.76	1.23	
3594	19.16	190.23	3452	-857	-154	599	0.86	0.86	-0.17	
3689	18.19	188.18	3542	-887	-159	621	1.23	-1.02	-2.16	
3783	18.98	190.81	3631	-917	-164	642	1.23	0.84	2.80	
3878	18.37	190.45	3721	-947	-170	662	0.65	-0.64	-0.38	
3973	18.08	190.06	3812	-976	-175	683	0.33	-0.31	-0.41	
4068	18.83	193.00	3902	-1005	-181	703	1.26	0.79	3.09	
4163	20.94	195.70	3991	-1037	-189	723	2.42	2.22	2.84	
4258	18.69	194.03	4080	-1068	-197	744	2.44	-2.37	-1.76	
4353	18.26	188.62	4170	-1097	-203	764	1.86	-0.45	-5.69	
4448	15.43	186.98	4261	-1124	-207	783	3.02	-2.98	-1.73	
4543	17.71	189.68	4352	-1151	-211	803	2.53	2.40	2.84	
4638	18.59	187.12	4443	-1181	-215	824	1.25	0.93	-2.69	
4733	17.01	183.42	4533	-1209	-218	845	2.04	-1.66	-3.89	
4828	18.01	182.71	4624	-1238	-220	868	1.08	1.05	-0.75	
4849	19.29	182.46	4644	-1245	-220	873	6.11	6.10	-1.19	
4910	21.32	180.31	4701	-1266	-220	890	3.54	3.33	-3.52	
5005	34.26	163.22	4785	-1309	-213	929	15.87	13.62	-17.99	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Site:	L14 2308 Pad	MD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Well:	# 206H	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)	
5100	40.38	158.61	4860	-1363	-194	984	7.08	6.44	-4.85	
5195	48.96	158.84	4928	-1425	-170	1048	9.03	9.03	0.24	
5290	53.87	152.97	4987	-1493	-139	1121	7.07	5.17	-6.18	
5385	60.90	145.08	5038	-1561	-98	1200	10.18	7.40	-8.31	
5480	68.92	140.60	5079	-1630	-46	1286	9.46	8.44	-4.72	
5575	78.70	135.88	5105	-1698	15	1377	11.34	10.29	-4.97	
5658	84.08	135.10	5118	-1756	72	1458	6.55	6.48	-0.94	
5739	87.08	133.17	5124	-1813	130	1538	4.40	3.70	-2.38	
5833	88.72	134.96	5127	-1878	198	1630	2.58	1.74	1.90	
5927	90.60	135.71	5128	-1945	264	1723	2.15	2.00	0.80	
6021	90.23	135.13	5127	-2012	330	1816	0.73	-0.39	-0.62	
6115	91.34	134.90	5126	-2078	396	1909	1.21	1.18	-0.24	
6209	91.14	134.55	5124	-2144	463	2002	0.43	-0.21	-0.37	
6303	90.40	134.26	5123	-2210	530	2095	0.85	-0.79	-0.31	
6396	89.46	133.26	5123	-2274	597	2186	1.48	-1.01	-1.08	
6490	90.07	134.20	5123	-2339	665	2279	1.19	0.65	1.00	
6583	91.01	135.63	5122	-2405	731	2371	1.84	1.01	1.54	
6677	90.64	136.70	5121	-2473	796	2464	1.20	-0.39	1.14	
6770	90.47	136.60	5120	-2540	860	2556	0.21	-0.18	-0.11	
6864	90.10	136.13	5119	-2608	925	2650	0.64	-0.39	-0.50	
6958	89.40	135.95	5120	-2676	990	2743	0.77	-0.74	-0.19	
7051	90.44	137.00	5120	-2744	1054	2835	1.59	1.12	1.13	
7145	89.87	136.59	5120	-2812	1119	2928	0.75	-0.61	-0.44	
7238	91.01	136.97	5119	-2880	1182	3021	1.29	1.23	0.41	
7332	90.77	136.43	5118	-2948	1247	3114	0.63	-0.26	-0.57	
7426	90.27	136.04	5117	-3016	1312	3207	0.67	-0.53	-0.41	
7521	89.77	135.76	5117	-3084	1378	3301	0.60	-0.53	-0.29	
7615	91.18	135.97	5116	-3152	1443	3394	1.52	1.50	0.22	
7709	91.28	135.58	5114	-3219	1509	3488	0.43	0.11	-0.41	
7799	90.84	135.70	5112	-3283	1572	3577	0.51	-0.49	0.13	
7891	90.54	135.02	5111	-3349	1636	3668	0.81	-0.33	-0.74	
7980	89.70	134.88	5111	-3412	1699	3756	0.96	-0.94	-0.16	
8070	90.20	135.67	5111	-3476	1763	3845	1.04	0.56	0.88	
8160	89.56	135.81	5111	-3540	1826	3934	0.73	-0.71	0.16	
8251	90.74	136.40	5111	-3606	1889	4024	1.45	1.30	0.65	
8342	90.27	136.00	5110	-3671	1952	4114	0.68	-0.52	-0.44	
8432	90.20	135.17	5110	-3736	2015	4203	0.93	-0.08	-0.92	
8524	90.74	135.27	5109	-3801	2079	4294	0.60	0.59	0.11	
8614	90.24	133.53	5108	-3864	2144	4383	2.01	-0.56	-1.93	
8704	89.80	132.92	5108	-3926	2209	4472	0.84	-0.49	-0.68	
8794	89.26	132.29	5109	-3987	2276	4560	0.92	-0.60	-0.70	
8884	88.39	133.78	5111	-4048	2341	4648	1.92	-0.97	1.66	
8975	89.06	134.96	5113	-4112	2406	4738	1.49	0.74	1.30	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Site:	L14 2308 Pad	MD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Well:	# 206H	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)	
9066	91.88	138.57	5112	-4178	2469	4828	5.03	3.10	3.97	
9157	92.99	139.68	5108	-4247	2528	4919	1.72	1.22	1.22	
9247	93.32	139.25	5103	-4315	2587	5009	0.60	0.37	-0.48	
9338	91.38	138.16	5099	-4383	2647	5099	2.44	-2.13	-1.20	
9429	91.14	136.47	5097	-4450	2708	5190	1.88	-0.26	-1.86	
9520	90.70	134.85	5096	-4515	2772	5280	1.84	-0.48	-1.78	
9610	90.07	133.71	5095	-4578	2836	5369	1.45	-0.70	-1.27	
9701	89.97	133.74	5095	-4641	2902	5458	0.11	-0.11	0.03	
9792	88.89	133.50	5096	-4704	2968	5548	1.22	-1.19	-0.26	
9882	90.34	133.03	5097	-4765	3033	5636	1.69	1.61	-0.52	
9974	90.70	134.40	5096	-4829	3100	5727	1.54	0.39	1.49	
10,064	92.35	134.55	5094	-4892	3164	5816	1.84	1.83	0.17	
10,155	91.44	133.51	5091	-4955	3230	5905	1.52	-1.00	-1.14	
10,246	91.28	133.94	5089	-5018	3295	5995	0.50	-0.18	0.47	
10,337	91.88	134.65	5086	-5082	3360	6085	1.02	0.66	0.78	
10,427	91.14	135.32	5084	-5145	3424	6174	1.11	-0.82	0.74	
10,518	91.58	135.71	5081	-5210	3488	6264	0.65	0.48	0.43	
10,608	91.24	137.70	5079	-5276	3549	6353	2.24	-0.38	2.21	
10,698	90.23	136.50	5078	-5341	3611	6442	1.74	-1.12	-1.33	
10,789	92.08	138.77	5076	-5409	3672	6533	3.22	2.03	2.49	
10,881	91.74	138.51	5073	-5478	3733	6624	0.47	-0.37	-0.28	
10,971	91.81	138.14	5070	-5545	3793	6714	0.42	0.08	-0.41	
11,062	91.31	137.62	5068	-5612	3854	6805	0.79	-0.55	-0.57	
11,153	90.50	136.61	5066	-5679	3916	6895	1.42	-0.89	-1.11	
11,244	91.31	135.83	5065	-5745	3978	6985	1.24	0.89	-0.86	
11,335	90.20	135.11	5064	-5810	4042	7075	1.45	-1.22	-0.79	
11,425	90.47	134.71	5063	-5873	4106	7164	0.54	0.30	-0.44	
11,517	91.04	134.57	5062	-5938	4171	7255	0.64	0.62	-0.15	
11,608	90.74	134.14	5061	-6001	4237	7345	0.58	-0.33	-0.47	
11,700	90.23	133.18	5060	-6065	4303	7435	1.18	-0.55	-1.04	
11,792	90.81	133.65	5059	-6128	4370	7526	0.81	0.63	0.51	
11,884	91.01	133.26	5058	-6191	4437	7616	0.48	0.22	-0.42	
11,976	90.50	132.34	5056	-6254	4504	7707	1.14	-0.55	-1.00	
12,066	90.81	133.92	5055	-6315	4570	7795	1.79	0.34	1.76	
12,156	91.07	134.48	5054	-6378	4634	7884	0.69	0.29	0.62	
12,247	90.77	135.86	5052	-6443	4699	7974	1.55	-0.33	1.52	
12,337	91.14	135.80	5051	-6507	4761	8063	0.42	0.41	-0.07	
12,390	91.14	135.80	5050	-6545	4798	8116	0.00	0.00	0.00	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Site:	L14 2308 Pad	MD Reference:	GL 6879' & RKB 26' @ 6905ft (H&P 443)
Well:	# 206H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

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
206H Toe - actual wellpath misses target center by 43ft at 12390ft MD (5050 TVD, -6545 N, 4798 E) - Circle (radius 100)	0.00	0.00	5092	-6541	4807	1,895,250.48	2,779,103.82	36.20851108	-107.64346610
206H 85° Casing - actual wellpath misses target center by 24ft at 5604ft MD (5110 TVD, -1718 N, 35 E) - Point	0.00	0.00	5129	-1705	43	1,900,077.85	2,774,331.07	36.22179686	-107.65961515
206H Heel - actual wellpath misses target center by 17ft at 5839ft MD (5127 TVD, -1882 N, 202 E) - Circle (radius 50)	0.00	0.00	5144	-1884	200	1,899,899.56	2,774,487.62	36.22130630	-107.65908550

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
437	437	2	1	First Surface MWD Survey
4733	4533	-1209	-218	Last Surface MWD Survey
4828	4624	-1238	-220	First Curve MWD Survey
5658	5118	-1756	72	Last Curve MWD Survey
5739	5124	-1813	130	First Lateral MWD Survey
12,337	5051	-6507	4761	Last Lateral MWD Survey
12,390	5050	-6545	4798	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

**Directional Survey Certification**

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

Operator	DJR Operating
Well Name & No.	Betonnies Tsosie L14 2308 206H
County & State	San Juan, NM
SDI Job No.	OP.037665
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 437 feet to a measured depth of 12,390 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

5-Jan-23

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 326508

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 326508
	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 326508

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 326508
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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