

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 30-045-35511	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 731H

II. ¹⁰ Surface Location

Ul or lot no. I	Section 10	Township 23N	Range 8W	Lot Idn	Feet from the 2490'	North/South Line South	Feet from the 508'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. J	Section 13	Township 23N	Range 8W	Lot Idn	Feet from the 2058'	North/South line South	Feet from the 2380'	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	O
	6500 Townbridge Drive, El Paso, TX 79905	
151618	Enterprise Field Services, LLC	G
	Post Office Box 4503, Houston, TX 77001	
	~Gas will be flared during flowback & until N2 & O2 is cleaned from the wellbore~	

IV. Well Completion Data

²¹ Spud Date 01/13/21	²² Ready Date 10/01/21	²³ TD 15,587 MD 5,255' TVD	²⁴ PBTD 15,543' MD 5,255' TVD	²⁵ Perforations 6,643'-15,493' MD 5,344'-5,257' TVD Frac Sleeve @ 15,521'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12.25		9.625" 36# J55		359'	109
8.75		7" 26# J55		5,997'	673
6.125		4.5" 11.6# P110		TOL: 5,611' BOL: 15,557'	842

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>Amy Kumsch</i>		
Title: Regulatory Specialist			Title: Data Compliance Manager		
E-mail Address: sford@djrlle.com			Approval Date: 10/4/21		
Date: 09/10/21		Phone: 505-716-3297			

DISTRICT I1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-9720**DISTRICT II**811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1293 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) 476-3450 Fax: (505) 476-3452State of New Mexico
Energy, Minerals & Natural Resources DepartmentForm C-102
Revised August 1, 2011Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35511	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 731H
⁷ GRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6933'

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
I	10	23N	8W		2490'	SOUTH	508'	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
J	13	23N	8W		2058'	SOUTH	2380'	EAST	SAN JUAN

¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC. 11: SW/NW, SE/NW, NE/SW, NW/SE, SW/SE,
& SE/SE (240 AC.); SEC 14: NE/NE (40 AC.);
SEC 13: NW/4, SW/NE, NE/SW, & NW/SE (280
AC.) = 560 ACRES TOTAL

¹³ Joint or Infill¹⁴ Consolidation Code¹⁵ Order No.

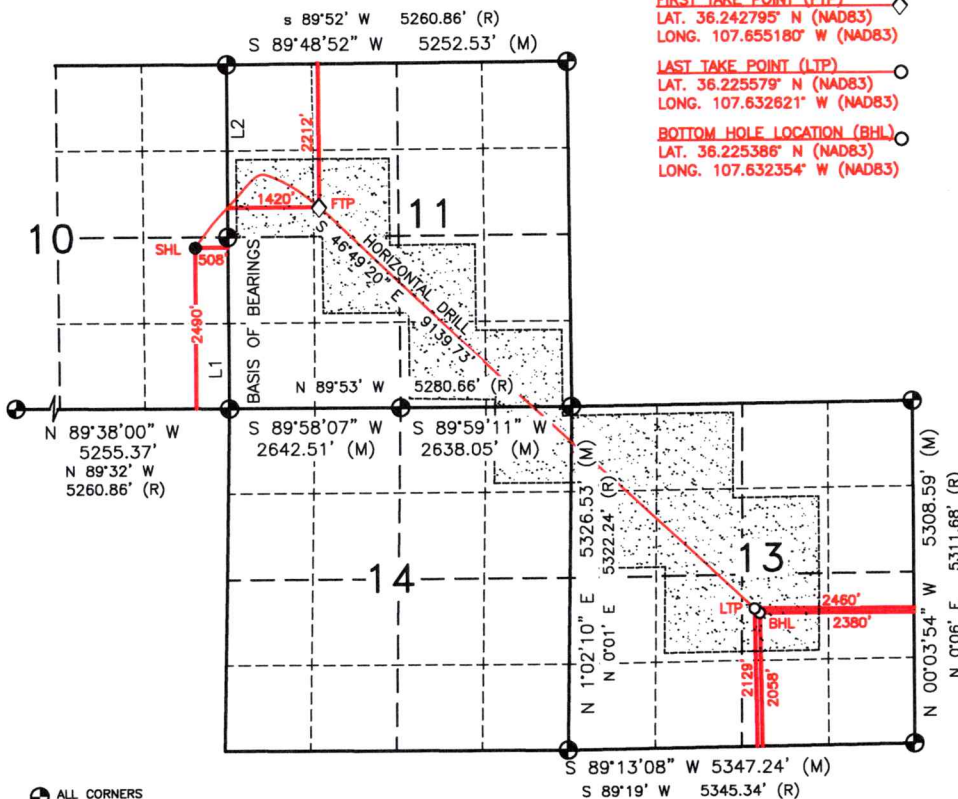
R-13930, R-13930A

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

LINE TABLE

L1: N 00°09'22" W 2653.00'
L2: N 00°01'25" E 2655.84'
N 0°04' W 5304.42' (R)



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 09/03/21
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.

AUGUST 31, 2021

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

11393



DJR Operating

**Betonne Tsoie Unit
I10 2308 Pad
731H**

Original drilling

Design: Original drilling

Standard Survey Report

30 August, 2021



www.scientificdrilling.com



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 731H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6933' & RKB 25' @ 6958ft (Aztec 1000)
Site:	I10 2308 Pad	MD Reference:	GL 6933' & RKB 25' @ 6958ft (Aztec 1000)
Well:	# 731H	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	I10 2308 Pad		
Site Position:		Northing:	1,907,115.89 usft
From:	Lat/Long	Easting:	2,773,697.18 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.24113400
		Longitude:	-107.66172200
		Grid Convergence:	0.10 °

Well	# 731H		
Well Position	+N/-S	0 ft	Northing:
	+E/-W	0 ft	Easting:
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.24113400
		Longitude:	-107.66172200
		Ground Level:	6933 ft

Wellbore	Original drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	8/14/2021	8.57	62.73	49,212.10000000
	HDGM2021_FILE	8/18/2021	8.57	62.73	49,211.00000000

Design	Original drilling			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0	0	0	123.36

Survey Program	Date	8/30/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
440	5010	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
5105	6031	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
6125	15,587	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	
440	0.89	31.74	440	3	2	0	0.20	0.20	0.00	
531	2.99	45.62	531	5	4	0	2.35	2.31	15.25	
621	6.11	47.20	621	10	9	2	3.47	3.47	1.76	
711	7.91	42.46	710	18	17	4	2.10	2.00	-5.27	
802	9.58	43.51	800	28	26	6	1.84	1.84	1.15	
893	11.51	42.56	889	40	38	9	2.13	2.12	-1.04	
984	12.61	43.25	978	54	50	12	1.22	1.21	0.76	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 731H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6933' & RKB 25' @ 6958ft (Aztec 1000)
Site:	I10 2308 Pad	MD Reference:	GL 6933' & RKB 25' @ 6958ft (Aztec 1000)
Well:	# 731H	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)	
1075	14.59	42.99	1067	70	65	16	2.18	2.18	-0.29	
1167	16.88	40.44	1155	88	82	20	2.60	2.49	-2.77	
1258	17.58	38.94	1242	109	99	23	0.91	0.77	-1.65	
1347	17.40	38.15	1327	130	116	25	0.33	-0.20	-0.89	
1439	17.80	38.15	1415	152	133	27	0.43	0.43	0.00	
1529	18.28	41.14	1500	173	151	30	1.16	0.53	3.32	
1620	19.38	37.36	1587	196	169	33	1.80	1.21	-4.15	
1711	19.69	34.90	1672	221	187	35	0.97	0.34	-2.70	
1803	21.89	36.31	1758	247	206	36	2.45	2.39	1.53	
1898	22.50	32.61	1846	277	226	37	1.60	0.64	-3.89	
1992	22.50	31.91	1933	307	246	36	0.28	0.00	-0.74	
2087	21.70	33.58	2021	337	265	36	1.07	-0.84	1.76	
2182	21.40	37.62	2110	366	285	37	1.59	-0.32	4.25	
2277	22.50	40.08	2198	393	307	41	1.51	1.16	2.59	
2371	22.28	42.19	2285	420	331	45	0.89	-0.23	2.24	
2466	21.88	41.32	2373	447	355	51	0.54	-0.42	-0.92	
2561	22.41	45.62	2461	473	379	57	1.79	0.56	4.53	
2655	23.69	44.04	2547	499	405	64	1.51	1.36	-1.68	
2750	24.08	43.44	2634	527	432	71	0.48	0.41	-0.63	
2845	25.09	42.28	2720	556	459	78	1.18	1.06	-1.22	
2940	23.12	40.61	2807	585	484	83	2.19	-2.07	-1.76	
3035	22.59	43.95	2895	612	509	89	1.47	-0.56	3.52	
3130	20.61	43.16	2983	637	533	95	2.11	-2.08	-0.83	
3225	18.41	41.84	3072	661	555	100	2.36	-2.32	-1.39	
3319	18.68	42.72	3162	683	575	105	0.41	0.29	0.94	
3414	20.61	41.49	3251	707	596	110	2.08	2.03	-1.29	
3508	19.12	40.79	3339	731	617	114	1.61	-1.59	-0.74	
3603	20.21	41.23	3429	755	638	118	1.16	1.15	0.46	
3698	19.29	40.61	3518	779	659	122	0.99	-0.97	-0.65	
3793	20.70	44.92	3608	803	681	128	2.15	1.48	4.54	
3887	21.40	43.78	3695	827	705	134	0.86	0.74	-1.21	
3982	20.30	44.04	3784	851	729	140	1.16	-1.16	0.27	
4077	20.30	41.84	3873	875	751	146	0.80	0.00	-2.32	
4172	19.91	42.02	3962	900	773	151	0.42	-0.41	0.19	
4267	18.81	41.14	4052	923	794	155	1.20	-1.16	-0.93	
4361	22.02	41.75	4140	948	815	160	3.42	3.41	0.65	
4456	23.20	41.84	4228	975	840	165	1.24	1.24	0.09	
4551	21.31	41.32	4316	1002	864	170	2.00	-1.99	-0.55	
4646	20.60	41.84	4404	1027	886	175	0.77	-0.75	0.55	
4740	18.02	42.11	4493	1051	907	180	2.75	-2.74	0.29	
4821	17.31	49.05	4570	1068	924	185	2.74	-0.88	8.57	
4915	20.21	46.24	4659	1088	947	192	3.23	3.09	-2.99	
5010	18.90	78.49	4749	1103	974	207	11.31	-1.38	33.95	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 731H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6933' & RKB 25' @ 6958ft (Aztec 1000)
Site:	I10 2308 Pad	MD Reference:	GL 6933' & RKB 25' @ 6958ft (Aztec 1000)
Well:	# 731H	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)
5105	25.09	93.61	4837	1104	1009	235	8.78	6.52	15.92
5200	35.77	99.06	4919	1099	1057	278	11.60	11.24	5.74
5295	43.11	102.31	4992	1087	1116	334	8.02	7.73	3.42
5390	51.68	105.83	5057	1070	1184	400	9.42	9.02	3.71
5484	56.87	112.95	5112	1045	1255	474	8.26	5.52	7.57
5579	58.58	115.41	5162	1012	1329	553	2.83	1.80	2.59
5674	61.79	117.43	5209	975	1402	635	3.85	3.38	2.13
5768	66.40	121.21	5251	934	1476	719	6.09	4.90	4.02
5863	72.29	121.82	5284	887	1552	808	6.23	6.20	0.64
5952	77.48	124.72	5307	840	1624	894	6.63	5.83	3.26
6031	82.80	125.69	5321	795	1687	972	6.84	6.74	1.23
6125	83.67	126.75	5332	740	1763	1065	1.45	0.93	1.13
6199	85.39	127.71	5339	696	1821	1139	2.66	2.32	1.30
6219	85.87	127.71	5340	683	1837	1158	2.40	2.40	0.00
6313	85.78	130.96	5347	624	1909	1252	3.45	-0.10	3.46
6338	85.78	131.93	5349	608	1928	1276	3.87	0.00	3.88
6413	90.94	134.20	5351	556	1983	1350	7.51	6.88	3.03
6459	92.72	134.99	5350	524	2016	1395	4.23	3.87	1.72
6507	92.11	134.50	5348	490	2050	1442	1.63	-1.27	-1.02
6601	91.54	133.02	5345	425	2118	1535	1.69	-0.61	-1.57
6695	90.87	132.07	5343	362	2187	1628	1.24	-0.71	-1.01
6789	91.01	130.79	5341	300	2257	1721	1.37	0.15	-1.36
6883	92.31	134.15	5339	236	2327	1813	3.83	1.38	3.57
6977	91.11	132.37	5336	172	2395	1906	2.28	-1.28	-1.89
7071	92.11	135.75	5333	106	2462	1998	3.75	1.06	3.60
7165	92.85	135.66	5329	39	2528	2090	0.79	0.79	-0.10
7259	92.11	136.28	5325	-28	2593	2182	1.03	-0.79	0.66
7354	91.58	134.30	5322	-96	2660	2274	2.16	-0.56	-2.08
7448	91.01	133.87	5320	-161	2728	2367	0.76	-0.61	-0.46
7542	90.60	132.77	5318	-226	2796	2459	1.25	-0.44	-1.17
7637	90.47	131.99	5318	-290	2866	2553	0.83	-0.14	-0.82
7731	88.86	130.02	5318	-351	2937	2646	2.71	-1.71	-2.10
7826	89.93	130.04	5319	-412	3010	2741	1.13	1.13	0.02
7919	90.37	132.09	5319	-473	3080	2833	2.25	0.47	2.20
8014	89.97	132.59	5319	-537	3150	2927	0.67	-0.42	0.53
8108	90.13	133.98	5319	-602	3219	3019	1.49	0.17	1.48
8203	90.66	134.78	5318	-668	3287	3113	1.01	0.56	0.84
8297	91.98	135.04	5316	-735	3353	3205	1.43	1.40	0.28
8391	91.41	134.70	5313	-801	3420	3297	0.71	-0.61	-0.36
8485	90.64	134.54	5311	-867	3487	3389	0.84	-0.82	-0.17
8580	89.90	133.77	5311	-933	3555	3482	1.12	-0.78	-0.81
8674	91.95	135.00	5309	-999	3622	3574	2.54	2.18	1.31
8768	91.58	134.24	5306	-1065	3689	3667	0.90	-0.39	-0.81
8862	91.11	133.53	5304	-1130	3756	3759	0.91	-0.50	-0.76



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 731H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6933' & RKB 25' @ 6958ft (Aztec 1000)
Site:	I10 2308 Pad	MD Reference:	GL 6933' & RKB 25' @ 6958ft (Aztec 1000)
Well:	# 731H	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)
8956	90.64	134.44	5303	-1195	3824	3851	1.09	-0.50	0.97
9050	90.40	134.31	5302	-1261	3891	3944	0.29	-0.26	-0.14
9144	90.13	133.95	5301	-1327	3959	4036	0.48	-0.29	-0.38
9239	89.93	133.25	5301	-1392	4028	4129	0.77	-0.21	-0.74
9333	89.60	133.25	5302	-1456	4096	4222	0.35	-0.35	0.00
9428	89.33	132.89	5303	-1521	4165	4316	0.47	-0.28	-0.38
9522	89.66	133.23	5303	-1585	4234	4408	0.50	0.35	0.36
9617	90.13	133.29	5304	-1651	4303	4502	0.50	0.49	0.06
9713	90.37	132.72	5303	-1716	4373	4597	0.64	0.25	-0.59
9808	90.91	133.85	5302	-1781	4443	4690	1.32	0.57	1.19
9904	90.13	132.80	5301	-1847	4512	4785	1.36	-0.81	-1.09
10,000	90.77	135.78	5301	-1914	4581	4879	3.17	0.67	3.10
10,096	90.67	135.69	5299	-1983	4648	4973	0.14	-0.10	-0.09
10,191	90.23	135.38	5299	-2051	4715	5066	0.57	-0.46	-0.33
10,286	89.56	134.00	5299	-2117	4782	5159	1.61	-0.71	-1.45
10,382	89.19	133.49	5300	-2184	4852	5253	0.66	-0.39	-0.53
10,477	88.99	133.28	5301	-2249	4921	5347	0.31	-0.21	-0.22
10,572	88.36	132.29	5304	-2314	4990	5440	1.23	-0.66	-1.04
10,668	89.66	134.02	5305	-2379	5060	5535	2.25	1.35	1.80
10,764	88.66	133.40	5307	-2446	5130	5629	1.23	-1.04	-0.65
10,854	88.86	131.65	5309	-2506	5196	5718	1.96	0.22	-1.94
10,944	90.17	135.18	5309	-2568	5261	5807	4.18	1.46	3.92
11,035	89.80	135.16	5309	-2633	5326	5896	0.41	-0.41	-0.02
11,126	92.15	133.96	5308	-2697	5390	5985	2.90	2.58	-1.32
11,216	90.77	132.64	5305	-2758	5456	6074	2.12	-1.53	-1.47
11,307	88.83	130.30	5306	-2819	5524	6164	3.34	-2.13	-2.57
11,397	90.13	132.27	5307	-2878	5592	6253	2.62	1.44	2.19
11,488	89.73	131.91	5307	-2939	5659	6343	0.59	-0.44	-0.40
11,578	89.63	131.72	5307	-2999	5726	6432	0.24	-0.11	-0.21
11,669	89.90	131.92	5308	-3060	5794	6522	0.37	0.30	0.22
11,760	90.37	132.26	5307	-3121	5862	6612	0.64	0.52	0.37
11,851	90.10	131.65	5307	-3181	5929	6702	0.73	-0.30	-0.67
11,941	89.30	131.74	5307	-3241	5996	6791	0.89	-0.89	0.10
12,032	90.34	131.40	5308	-3302	6065	6881	1.20	1.14	-0.37
12,123	89.50	132.63	5308	-3363	6132	6971	1.64	-0.92	1.35
12,214	91.84	133.14	5307	-3424	6199	7061	2.63	2.57	0.56
12,304	91.34	132.60	5304	-3486	6265	7149	0.82	-0.56	-0.60
12,395	90.17	130.42	5303	-3546	6333	7239	2.72	-1.29	-2.40
12,486	90.97	131.46	5302	-3606	6402	7330	1.44	0.88	1.14
12,577	90.74	133.55	5301	-3667	6469	7419	2.31	-0.25	2.30
12,668	90.47	134.00	5300	-3730	6534	7509	0.58	-0.30	0.49
12,759	89.43	132.49	5300	-3792	6601	7599	2.01	-1.14	-1.66
12,851	91.98	134.32	5299	-3856	6668	7689	3.41	2.77	1.99



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 731H
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6933' & RKB 25' @ 6958ft (Aztec 1000)
Site:	I10 2308 Pad	MD Reference:	GL 6933' & RKB 25' @ 6958ft (Aztec 1000)
Well:	# 731H	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)	
12,943	91.74	133.59	5296	-3919	6734	7780	0.83	-0.26	-0.79	
13,034	91.81	133.47	5293	-3982	6800	7869	0.15	0.08	-0.13	
13,125	91.95	133.30	5290	-4045	6866	7959	0.24	0.15	-0.19	
13,216	91.27	133.44	5288	-4107	6932	8048	0.76	-0.75	0.15	
13,307	88.90	132.41	5287	-4169	6999	8138	2.84	-2.60	-1.13	
13,397	89.40	132.22	5289	-4230	7065	8227	0.59	0.56	-0.21	
13,488	89.63	131.76	5289	-4290	7133	8317	0.57	0.25	-0.51	
13,579	90.10	131.63	5290	-4351	7201	8407	0.54	0.52	-0.14	
13,671	89.83	131.32	5290	-4412	7270	8498	0.45	-0.29	-0.34	
13,761	90.27	130.55	5290	-4471	7338	8587	0.99	0.49	-0.86	
13,853	90.75	130.30	5289	-4531	7408	8678	0.59	0.52	-0.27	
13,944	90.91	130.84	5288	-4590	7477	8769	0.62	0.18	0.59	
14,022	90.44	135.67	5287	-4643	7534	8845	6.22	-0.60	6.19	
14,113	90.03	135.24	5286	-4708	7597	8934	0.65	-0.45	-0.47	
14,203	91.48	134.22	5285	-4771	7661	9023	1.97	1.61	-1.13	
14,295	91.28	133.72	5283	-4835	7727	9113	0.59	-0.22	-0.54	
14,387	89.83	132.61	5282	-4898	7795	9204	1.98	-1.58	-1.21	
14,479	90.10	133.39	5282	-4961	7862	9294	0.90	0.29	0.85	
14,570	91.75	134.26	5281	-5024	7928	9384	2.05	1.81	0.96	
14,661	91.28	133.52	5278	-5087	7993	9473	0.96	-0.52	-0.81	
14,752	92.59	134.68	5275	-5150	8058	9563	1.92	1.44	1.27	
14,843	92.12	133.69	5271	-5214	8124	9652	1.20	-0.52	-1.09	
14,934	91.82	133.95	5268	-5277	8189	9741	0.44	-0.33	0.29	
15,026	91.28	132.63	5266	-5340	8256	9832	1.55	-0.59	-1.43	
15,118	91.18	132.80	5264	-5402	8324	9923	0.21	-0.11	0.18	
15,209	90.94	132.49	5262	-5464	8391	10,013	0.43	-0.26	-0.34	
15,298	90.98	132.25	5261	-5524	8456	10,100	0.27	0.04	-0.27	
15,390	91.18	131.82	5259	-5585	8525	10,191	0.52	0.22	-0.47	
15,482	91.07	131.52	5257	-5646	8593	10,282	0.35	-0.12	-0.33	
15,587	91.07	131.52	5255	-5716	8672	10,386	0.00	0.00	0.00	



Scientific Drilling
Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 731H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6933' & RKB 25' @ 6958ft (Aztec 1000)
Site:	I10 2308 Pad	MD Reference:	GL 6933' & RKB 25' @ 6958ft (Aztec 1000)
Well:	# 731H	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
731H toe rev 3 - actual wellpath misses target center by 29ft at 15587ft MD (5255 TVD, -5716 N, 8672 E) - Circle (radius 100)	0.00	0.00	5283	-5716	8681	1,901,415.30	2,782,388.26	36.22542815	-107.63228942
731H 85° Casing - actual wellpath misses target center by 33ft at 5882ft MD (5290 TVD, 878 N, 1567 E) - Point	0.00	0.00	5320	890	1566	1,908,008.96	2,775,261.65	36.24357960	-107.65641114
731H heel rev 4 - actual wellpath misses target center by 8ft at 6139ft MD (5333 TVD, 732 N, 1774 E) - Circle (radius 50)	0.00	0.00	5339	728	1770	1,907,847.03	2,775,465.88	36.24313371	-107.65571954

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
440	440	3	2	First Surface MWD Survey
5010	4749	1103	974	Last Surface MWD Survey
5105	4837	1104	1009	First Curve MWD Survey
6313	5347	624	1909	Last Curve MWD Survey
6338	5349	608	1928	First Lateral MWD Survey
15,482	5257	-5646	8593	Last Lateral MWD Survey
15,587	5255	-5716	8672	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

**Directional Survey Certification**

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

Operator	DJR Energy
Well Name & No.	Betonnie Tsosie Unit I10 2308 731H
County & State	San Juan, NM
SDI Job No.	OP.030175
Rig	Aztec 1000

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 6,338 feet to a measured depth of 15,587 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

30-Aug-21

Date

Janie Collins
Contract Well Planner
Scientific Drilling International

District I

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Phone:(575) 393-6161 Fax:(575) 393-0720

District II

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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 47693

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 47693
	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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COMMENTS

Action 47693

COMMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 47693
	Action Type: [C-104] Completion Packet (C-104C)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 10/4/2021	10/4/2021

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CONDITIONS

Action 47693

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CONDITIONS

Created By	Condition	Condition Date
ahvermersch	None	10/4/2021