

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

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 30-045-38239	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 503H

II. ¹⁰ Surface Location

Ul or lot no. E	Section 35	Township 23N	Range 08W	Lot Idn	Feet from the 1391'	North/South Line North	Feet from the 811'	East/West line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. M	Section 22	Township 23N	Range 08W	Lot Idn	Feet from the 59'	North/South line South	Feet from the 754'	East/West line West	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 07/07/21	²² Ready Date 05/21/22	²³ TD 13,056' MD 5,024' TVD	²⁴ PBTD 13,035' MD 5,024' TVD	²⁵ Perforations 5,647'- 12,980' MD 5,008'- 5,024' TVD Frac Sleeve @ 13,008'	²⁶ DHC, MC	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
12.25		9.625" 36# J55		385'		109
8.75		7" 26# J55		5,496'		618
6.125		4.5" 11.6# P110		TOL: 5,116' BOL: 13,049'		666

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>5/11/2022</i>		
Date: 03/24/22		Phone: 505-716-3297	<i>RT EXPIRES 8/11/2022</i>		

DISTRICT I

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

DISTRICT II

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Phone: (505) 748-1283 Fax: (505) 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

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38239	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 503H
⁷ GRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6920'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	35	23N	8W		1391'	NORTH	811'	WEST	SAN JUAN

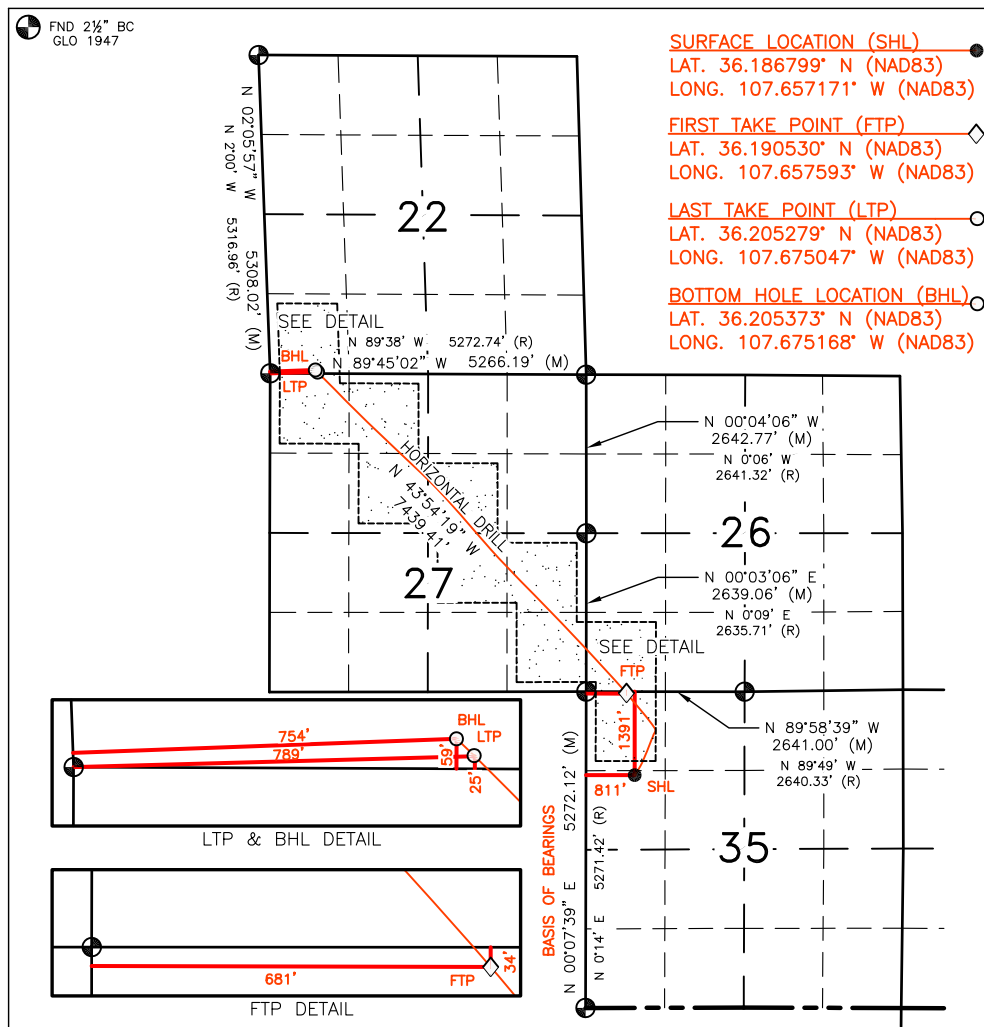
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	22	23N	8W		59'	SOUTH	754'	WEST	SAN JUAN

¹² Dedicated Acres SEC 35: NW/NW (40 AC.); SEC 26: SW/SW (40 AC.); SEC 27: SE/SE, NE/SE, NW/SE, SW/NE, SE/NW, NE/NW & NW/NW (280 AC.); SEC 22: SW/SW (40 AC.) = 400 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 03/21/22
Signature Date

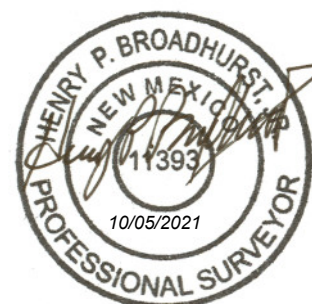
Shaw-Marie Ford
Printed Name
sford@djrlc.com
E-mail Address

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.

OCTOBER 5, 2021

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number 11393

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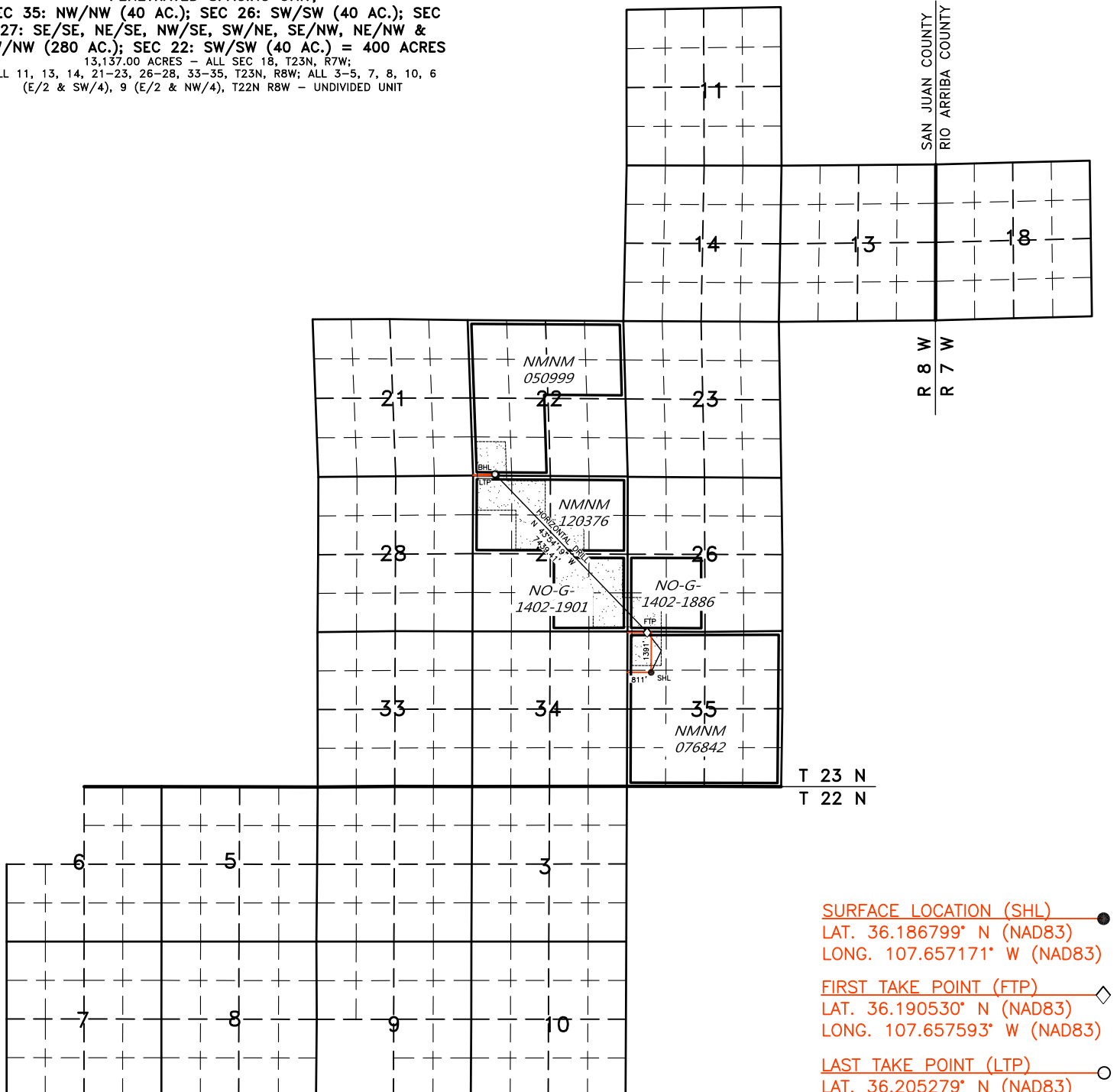
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☐ AMENDED REPORT

DJR OPERATING, LLC
BETONNIE TSOSIE WASH UNIT #503H

PENETRATED SPACING UNIT;
SEC 35: NW/NW (40 AC.); SEC 26: SW/SW (40 AC.); SEC
27: SE/SE, NE/SE, NW/SE, SW/NE, SE/NW, NE/NW &
NW/NW (280 AC.); SEC 22: SW/SW (40 AC.) = 400 ACRES
13,137.00 ACRES - ALL SEC 18, T23N, R7W;
ALL 11, 13, 14, 21-23, 26-28, 33-35, T23N, R8W; ALL 3-5, 7, 8, 10, 6
(E/2 & SW/4), 9 (E/2 & NW/4), T22N R8W - UNDIVIDED UNIT



SURFACE LOCATION (SHL) ●
LAT. 36.186799° N (NAD83)
LONG. 107.657171° W (NAD83)

FIRST TAKE POINT (FTP) ◇
LAT. 36.190530° N (NAD83)
LONG. 107.657593° W (NAD83)

LAST TAKE POINT (LTP) ○
LAT. 36.205279° N (NAD83)
LONG. 107.675047° W (NAD83)

BOTTOM HOLE LOCATION (BHL) ○
LAT. 36.205373° N (NAD83)
LONG. 107.675168° W (NAD83)

**Directional Survey Certification**

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

Operator	DJR Energy
Well Name & No.	Betonnies Tsosie E35 2308 503H
County & State	San Juan, NM
SDI Job No.	OP.030639
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 5,561 feet to a measured depth of 13,056 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

29-Sep-21

Date

Janie Collins
Contract Well Planner
Scientific Drilling International



DJR

Betonne Tsoie Unit

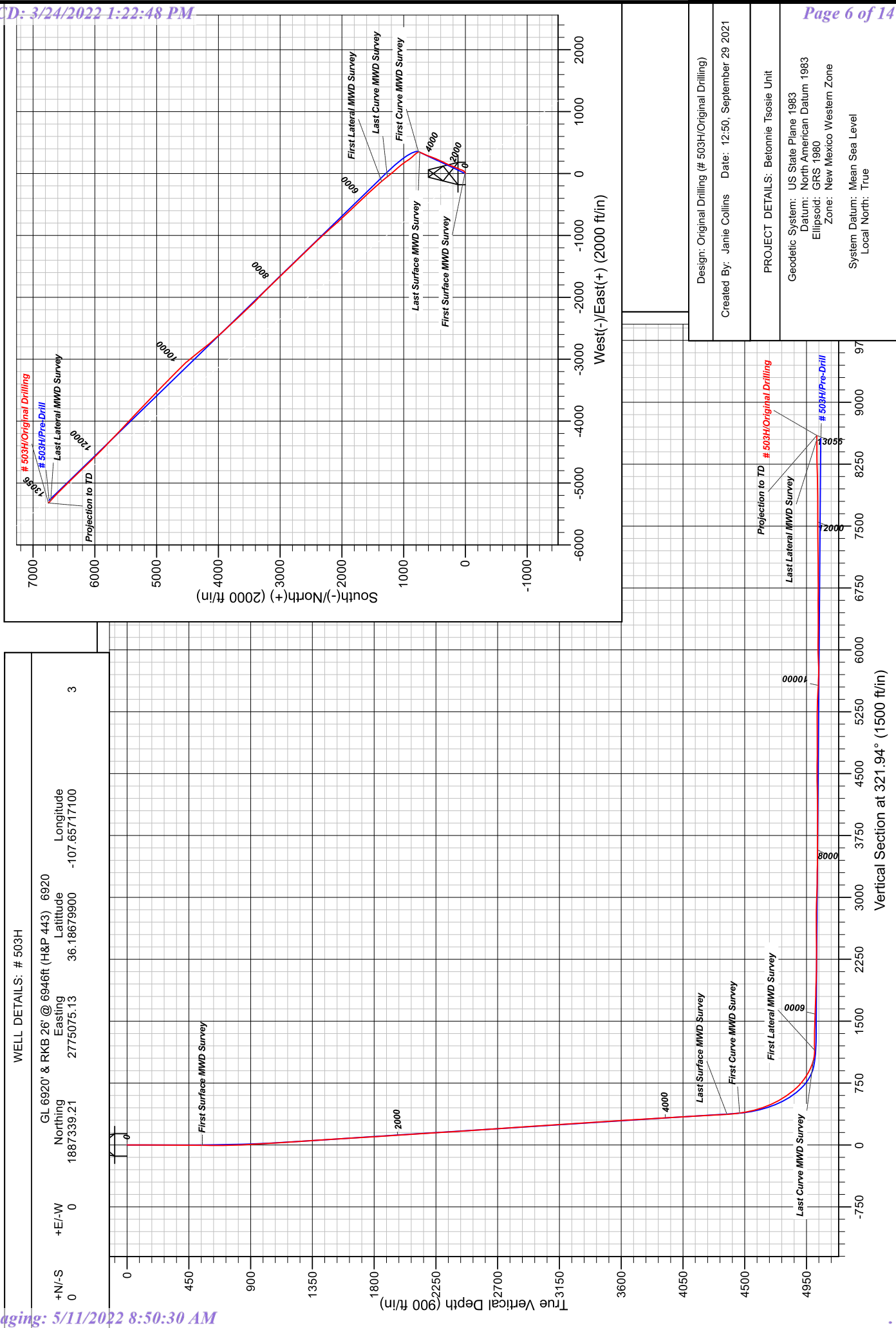
E35 2308 Pad

#503H

End of Well Report



www.scientificdrilling.com





DJR Operating

**Betonne Tsoie Unit
E35 2308 Pad
503H - Slot 3**

Original Drilling

Design: Original Drilling

Standard Survey Report

29 September, 2021



www.scientificdrilling.com



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Site:	E35 2308 Pad	MD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Well:	# 503H	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	E35 2308 Pad		
Site Position:		Northing:	1,887,359.24 usft
From:	Lat/Long	Easting:	2,775,078.04 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.18685400
		Longitude:	-107.65716100
		Grid Convergence:	0.10 °

Well	# 503H - Slot 3		
Well Position	+N/-S	0 ft	Northing:
	+E/-W	0 ft	Easting:
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.18679900
		Longitude:	-107.65717100
		Ground Level:	6920 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	9/14/2021	8.57	62.68	49,144.90000000
	HDGM2021_FILE	9/26/2021	8.55	62.68	49,141.60000000

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	321.94

Survey Program	Date	9/29/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
548	4457	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
4552	5442	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
5561	13,056	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	
548	3.78	68.16	548	7	17	-5	0.69	0.69	0.00	
640	8.44	52.52	639	12	25	-6	5.33	5.07	-17.00	
732	9.15	42.32	730	21	35	-5	1.86	0.77	-11.09	
825	10.20	34.06	822	34	45	-1	1.87	1.13	-8.88	
918	11.08	21.93	913	49	53	6	2.58	0.95	-13.04	
1011	11.26	20.52	1004	66	59	15	0.35	0.19	-1.52	
1103	11.87	17.89	1094	83	65	25	0.88	0.66	-2.86	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Site:	E35 2308 Pad	MD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Well:	# 503H	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)	
1195	12.57	24.74	1184	101	72	35	1.75	0.76	7.45	
1287	12.93	24.92	1274	120	81	44	0.39	0.39	0.20	
1379	12.84	23.16	1364	138	89	54	0.44	-0.10	-1.91	
1472	13.63	24.57	1454	158	98	64	0.92	0.85	1.52	
1564	11.70	24.74	1544	176	106	73	2.10	-2.10	0.18	
1654	11.08	21.23	1632	193	113	82	1.03	-0.69	-3.90	
1747	9.76	15.43	1724	208	119	91	1.81	-1.42	-6.24	
1838	11.78	17.71	1813	225	124	101	2.27	2.22	2.51	
1930	12.31	21.93	1903	243	130	111	1.12	0.58	4.59	
2025	11.78	20.00	1996	261	137	121	0.70	-0.56	-2.03	
2120	12.57	25.97	2089	280	145	131	1.56	0.83	6.28	
2215	13.28	26.32	2181	299	154	140	0.75	0.75	0.37	
2309	13.19	27.03	2273	318	164	149	0.20	-0.10	0.76	
2404	13.89	25.62	2365	338	174	159	0.81	0.74	-1.48	
2499	14.68	27.03	2457	359	184	169	0.91	0.83	1.48	
2594	15.65	26.32	2549	381	195	180	1.04	1.02	-0.75	
2689	15.65	26.50	2641	404	207	191	0.05	0.00	0.19	
2784	14.07	25.62	2732	426	218	201	1.68	-1.66	-0.93	
2879	12.93	25.27	2825	446	227	211	1.20	-1.20	-0.37	
2974	12.05	25.80	2918	465	236	220	0.93	-0.93	0.56	
3069	11.70	18.59	3011	483	243	230	1.60	-0.37	-7.59	
3164	11.87	16.66	3104	501	249	241	0.45	0.18	-2.03	
3259	11.87	19.47	3196	520	255	252	0.61	0.00	2.96	
3354	12.22	19.29	3289	538	262	262	0.37	0.37	-0.19	
3449	11.26	19.64	3382	557	268	273	1.01	-1.01	0.37	
3544	11.52	21.40	3476	574	275	283	0.46	0.27	1.85	
3639	11.52	19.82	3569	592	282	292	0.33	0.00	-1.66	
3734	10.38	20.35	3662	609	288	302	1.20	-1.20	0.56	
3829	11.26	24.04	3755	625	294	311	1.18	0.93	3.88	
3924	12.40	22.28	3848	643	302	320	1.26	1.20	-1.85	
4019	12.49	24.39	3941	662	310	330	0.49	0.09	2.22	
4114	12.57	26.15	4034	681	319	339	0.41	0.08	1.85	
4209	11.26	25.62	4127	698	328	348	1.38	-1.38	-0.56	
4304	10.29	23.16	4220	714	335	356	1.13	-1.02	-2.59	
4399	11.43	22.98	4313	731	342	365	1.20	1.20	-0.19	
4457	10.81	21.00	4370	741	346	370	1.26	-1.07	-3.41	
4552	14.68	349.80	4463	762	347	386	8.17	4.07	-32.84	
4647	22.54	328.71	4553	789	336	414	10.77	8.27	-22.20	
4742	30.41	314.82	4638	822	309	456	10.49	8.28	-14.62	
4837	38.94	317.90	4716	861	272	510	9.16	8.98	3.24	
4932	48.00	323.96	4785	912	231	575	10.49	9.54	6.38	
5026	52.43	328.10	4845	972	191	647	5.80	4.71	4.40	
5122	60.56	320.10	4898	1036	144	727	10.94	8.47	-8.33	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Site:	E35 2308 Pad	MD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Well:	# 503H	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)
5216	68.29	318.87	4939	1100	89	812	8.31	8.22	-1.31
5311	72.02	319.13	4971	1168	30	901	3.93	3.93	0.27
5406	79.28	320.45	4994	1238	-29	993	7.76	7.64	1.39
5442	81.61	321.77	5000	1266	-52	1028	7.41	6.47	3.67
5561	90.30	319.92	5009	1358	-127	1147	7.47	7.30	-1.55
5656	89.93	319.00	5009	1430	-188	1242	1.04	-0.39	-0.97
5750	89.87	318.55	5009	1501	-250	1336	0.48	-0.06	-0.48
5844	89.63	317.71	5009	1571	-313	1430	0.93	-0.26	-0.89
5938	87.92	315.33	5011	1639	-378	1523	3.12	-1.82	-2.53
6032	88.93	316.47	5014	1706	-443	1617	1.62	1.07	1.21
6127	88.82	315.87	5016	1775	-509	1711	0.64	-0.12	-0.63
6221	89.40	317.25	5017	1843	-573	1805	1.59	0.62	1.47
6316	89.16	317.42	5018	1913	-638	1899	0.31	-0.25	0.18
6411	89.03	317.24	5020	1983	-702	1994	0.23	-0.14	-0.19
6504	88.79	317.05	5022	2051	-765	2087	0.33	-0.26	-0.20
6598	89.80	319.00	5023	2121	-828	2180	2.34	1.07	2.07
6691	89.26	318.69	5024	2191	-889	2273	0.67	-0.58	-0.33
6785	90.57	317.48	5024	2261	-952	2367	1.90	1.39	-1.29
6878	90.81	316.82	5023	2329	-1016	2460	0.76	0.26	-0.71
6972	90.71	316.96	5021	2398	-1080	2553	0.18	-0.11	0.15
7066	90.07	316.51	5021	2466	-1144	2647	0.83	-0.68	-0.48
7161	89.70	316.07	5021	2535	-1210	2742	0.61	-0.39	-0.46
7255	89.43	315.84	5022	2602	-1275	2835	0.38	-0.29	-0.24
7350	88.86	316.04	5023	2670	-1341	2929	0.64	-0.60	0.21
7444	88.79	315.69	5025	2738	-1407	3023	0.38	-0.07	-0.37
7538	88.62	316.45	5027	2806	-1472	3116	0.83	-0.18	0.81
7632	90.00	316.51	5028	2874	-1537	3210	1.47	1.47	0.06
7727	89.70	315.64	5028	2942	-1603	3304	0.97	-0.32	-0.92
7820	89.50	315.78	5029	3009	-1667	3397	0.26	-0.22	0.15
7915	89.46	315.65	5030	3077	-1734	3491	0.14	-0.04	-0.14
8008	90.34	316.42	5030	3144	-1798	3584	1.26	0.95	0.83
8103	90.30	316.15	5030	3212	-1864	3678	0.29	-0.04	-0.28
8197	90.13	314.55	5029	3279	-1930	3772	1.71	-0.18	-1.70
8289	89.19	313.16	5030	3343	-1996	3863	1.82	-1.02	-1.51
8382	89.56	314.98	5031	3408	-2063	3955	2.00	0.40	1.96
8474	90.74	316.93	5031	3474	-2127	4046	2.48	1.28	2.12
8566	90.44	316.09	5030	3540	-2190	4138	0.97	-0.33	-0.91
8658	90.34	316.37	5029	3607	-2254	4230	0.32	-0.11	0.30
8751	90.47	316.62	5028	3674	-2318	4322	0.30	0.14	0.27
8843	90.47	317.25	5028	3742	-2381	4414	0.68	0.00	0.68
8936	89.83	317.15	5027	3810	-2444	4506	0.70	-0.69	-0.11
9028	89.83	317.18	5028	3877	-2507	4598	0.03	0.00	0.03
9119	89.76	317.72	5028	3944	-2568	4689	0.60	-0.08	0.59
9211	89.53	318.22	5028	4013	-2630	4781	0.60	-0.25	0.54



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Site:	E35 2308 Pad	MD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Well:	# 503H	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)
9304	89.60	318.84	5029	4082	-2691	4873	0.67	0.08	0.67
9396	91.04	320.27	5029	4152	-2751	4965	2.21	1.57	1.55
9488	90.34	321.93	5028	4224	-2809	5057	1.96	-0.76	1.80
9579	90.13	321.82	5027	4296	-2865	5148	0.26	-0.23	-0.12
9671	89.50	320.76	5027	4367	-2923	5240	1.34	-0.68	-1.15
9763	89.13	320.72	5029	4439	-2981	5332	0.40	-0.40	-0.04
9854	87.38	319.87	5031	4509	-3039	5423	2.14	-1.92	-0.93
9947	88.35	316.08	5035	4578	-3101	5516	4.20	1.04	-4.08
10,040	89.43	314.81	5037	4644	-3166	5608	1.79	1.16	-1.37
10,131	89.29	314.74	5038	4708	-3231	5699	0.17	-0.15	-0.08
10,223	90.77	314.34	5038	4772	-3296	5790	1.67	1.61	-0.43
10,316	91.18	313.85	5036	4837	-3363	5882	0.69	0.44	-0.53
10,408	91.38	314.20	5034	4901	-3429	5973	0.44	0.22	0.38
10,499	89.26	314.22	5033	4964	-3495	6063	2.33	-2.33	0.02
10,592	89.40	314.34	5035	5029	-3561	6155	0.20	0.15	0.13
10,684	89.56	314.12	5035	5094	-3627	6247	0.30	0.17	-0.24
10,776	89.97	313.88	5036	5157	-3693	6338	0.52	0.45	-0.26
10,867	90.74	314.46	5035	5221	-3759	6428	1.06	0.85	0.64
10,959	90.17	313.39	5034	5285	-3825	6519	1.32	-0.62	-1.16
11,052	89.60	312.35	5035	5348	-3893	6611	1.28	-0.61	-1.12
11,145	89.73	313.09	5035	5411	-3961	6703	0.81	0.14	0.80
11,238	90.20	313.06	5035	5475	-4029	6794	0.51	0.51	-0.03
11,330	90.64	312.99	5035	5537	-4096	6885	0.48	0.48	-0.08
11,422	89.77	313.59	5034	5600	-4163	6976	1.15	-0.95	0.65
11,514	90.40	314.43	5034	5664	-4230	7067	1.14	0.68	0.91
11,606	90.20	313.75	5034	5728	-4296	7159	0.77	-0.22	-0.74
11,697	90.17	312.81	5033	5791	-4362	7249	1.03	-0.03	-1.03
11,789	90.37	315.01	5033	5855	-4428	7340	2.40	0.22	2.39
11,881	90.34	315.18	5032	5920	-4493	7431	0.19	-0.03	0.18
11,973	90.07	314.32	5032	5984	-4559	7522	0.98	-0.29	-0.93
12,065	90.54	316.06	5031	6050	-4623	7614	1.96	0.51	1.89
12,156	89.63	314.82	5031	6115	-4687	7704	1.69	-1.00	-1.36
12,248	89.50	315.43	5032	6180	-4752	7795	0.68	-0.14	0.66
12,341	90.77	317.18	5032	6247	-4816	7888	2.32	1.37	1.88
12,433	90.87	316.63	5031	6314	-4879	7980	0.61	0.11	-0.60
12,525	90.67	315.65	5029	6381	-4943	8071	1.09	-0.22	-1.07
12,618	90.91	315.68	5028	6447	-5008	8163	0.26	0.26	0.03
12,710	91.01	315.14	5026	6513	-5072	8255	0.60	0.11	-0.59
12,802	90.03	314.46	5026	6577	-5138	8346	1.30	-1.07	-0.74
12,896	90.13	313.37	5025	6643	-5205	8439	1.16	0.11	-1.16
12,990	90.50	313.10	5025	6707	-5274	8532	0.49	0.39	-0.29
13,006	90.50	313.13	5025	6718	-5286	8548	0.19	0.00	0.19
13,056	90.50	313.13	5024	6752	-5322	8597	0.00	0.00	0.00



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 503H - Slot 3
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Site:	E35 2308 Pad	MD Reference:	GL 6920' & RKB 26' @ 6946ft (H&P 443)
Well:	# 503H	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)

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
503H 85° Casing	0.00	0.00	5004	1258	33	1,888,597.44	2,775,106.19	36.19025532	-107.65705799
- hit/miss target									
- Shape									
- Point									
- actual wellpath misses target center by 63ft at 5384ft MD (4990 TVD, 1222 N, -16 E)									
503H Heel	0.00	0.00	5019	1443	-131	1,888,781.87	2,774,941.44	36.19076280	-107.65761520
- actual wellpath misses target center by 53ft at 5629ft MD (5009 TVD, 1409 N, -170 E)									
- Circle (radius 50)									
503H Toe	0.00	0.00	5054	6741	-5278	1,894,070.96	2,769,784.82	36.20531680	-107.67506160
- actual wellpath misses target center by 38ft at 13006ft MD (5025 TVD, 6718 N, -5286 E)									
- Circle (radius 100)									

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
548	548	7	17	First Surface MWD Survey	
4457	4370	741	346	Last Surface MWD Survey	
4552	4463	762	347	First Curve MWD Survey	
5442	5000	1266	-52	Last Curve MWD Survey	
5561	5009	1358	-127	First Lateral MWD Survey	
13,006	5025	6718	-5286	Last Lateral MWD Survey	
13,056	5024	6752	-5322	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____

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
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District III

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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 92951

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 92951
	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 92951

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 92951
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CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 8/11/2022	5/11/2022