

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 30-045-38231	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 507H

II. ¹⁰ Surface Location

Ul or lot no. G	Section 34	Township 23N	Range 08W	Lot Idn	Feet from the 1480'	North/South Line North	Feet from the 2348'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. H	Section 28	Township 23N	Range 08W	Lot Idn	Feet from the 1650'	North/South line North	Feet from the 1136'	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 07/14/21	²² Ready Date 04/22/21 4/22/2022	²³ TD 11,713' MD 4,899' TVD	²⁴ PBDT 11,693' MD 4,899' TVD	²⁵ Perforations 5,484'- 11,639' MD 4,879'- 4,903' TVD Frac Sleeve @ 11,673'	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	5,328'		615
6.125		4.5" 11.6# P110	TOL: 5,050' BOL: 11,709'		563

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>5/2/2022</i>		
Date: 03/17/22		Phone: 505-716-3297	<i>RT EXPIRES 7/22/2022</i>		

DISTRICT I

1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 748-0720

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
☒ ASDRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38231	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 507H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6834'

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
G	34	23N	8W		1480'	NORTH	2348'	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
H	28	23N	8W		1650'	NORTH	1136'	EAST	SAN JUAN

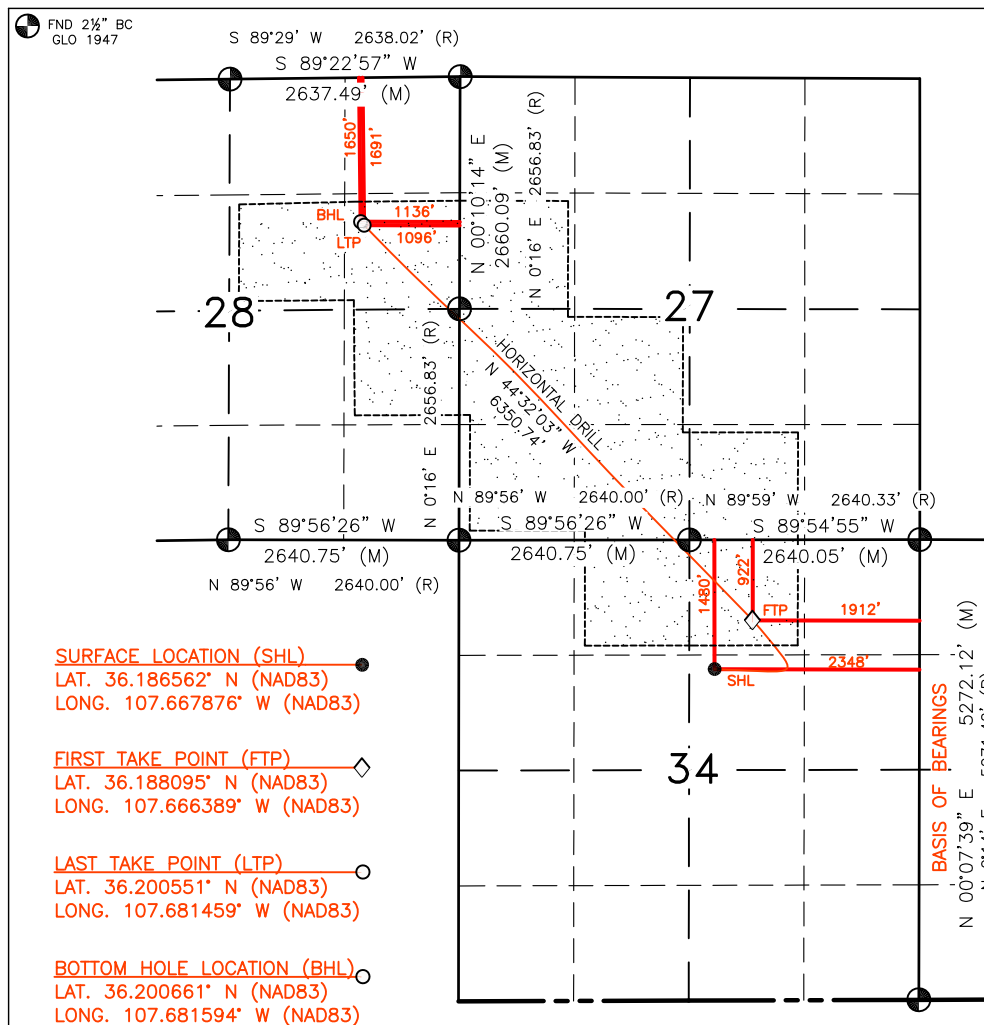
¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC 34: NW/NE & NE/NW (80 AC.); SEC 27:
SW/SE, SW/4 & SW/NW (240 AC.); sec 28:
SE/NE, SW/NE & NE/SE (120 AC.) = 440 ACRES

¹³ Joint or Infill¹⁴ Consolidation Code¹⁵ Order No.

R-13930 R-13930A

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

16



17 OPERATOR CERTIFICATION

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

Shaw-Marie Ford 02/04/22
Signature Date

Shaw-Marie Ford

Printed Name

sford@djrlc.com

E-mail Address

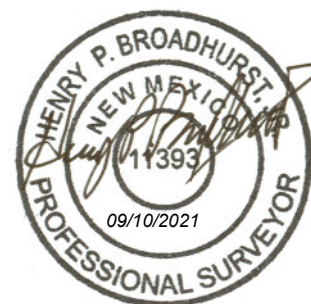
SURVEYOR CERTIFICATION

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.

SEPTEMBER 7, 2021

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

11393

**Directional Survey Certification**

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

Operator	DJR Energy
Well Name & No.	Betonnies Tsosie Unit G34 2308 507H
County & State	San Juan, NM
SDI Job No.	OP.030168
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 413 feet to a measured depth of 5,281 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

31-Aug-21

Date

Janie Collins
Contract Well Planner
Scientific Drilling International



DJR Operating

Betonne Tsoie Unit

G34 2308 Pad

507H - Slot 3

Original Drilling

Design: Original Drilling

Standard Survey Report

31 August, 2021



www.scientificdrilling.com



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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		G34 2308 Pad			
Site Position:		Northing:	1,887,253.23 usft	Latitude:	36.18657800
From:	Lat/Long	Easting:	2,771,935.23 usft	Longitude:	-107.66781200
Position Uncertainty:	0 ft	Slot Radius:	13.20 in	Grid Convergence:	0.10 °

Well		# 507H - Slot 3				
Well Position	+N/-S	0 ft	Northing:	1,887,247.38 usft	Latitude:	36.18656200
	+E/-W	0 ft	Easting:	2,771,916.35 usft	Longitude:	-107.66787600
Position Uncertainty		0 ft	Wellhead Elevation:	ft	Ground Level:	6834 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	8/11/2021	8.57	62.68	49,157.70000000
	HDGM2021_FILE	8/21/2021	8.57	62.68	49,155.00000000

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		322.11

Survey Program	Date	8/31/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
413	4178	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4273	5281	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5358	11,770	Survey #3 - Lateral MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	

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
413	1.38	194.82	413	-5	-1	-3	0.33	0.33	0.00
443	1.60	202.96	443	-6	-2	-3	1.02	0.73	27.13
535	1.73	149.56	535	-8	-1	-5	1.63	0.14	-58.04
628	3.30	99.13	628	-10	2	-9	2.76	1.69	-54.23
720	4.78	90.89	720	-10	8	-13	1.72	1.61	-8.96
812	6.64	85.26	811	-10	18	-18	2.11	2.02	-6.12
904	8.37	81.75	902	-8	30	-25	1.94	1.88	-3.82



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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)
997	9.63	82.61	994	-6	44	-32	1.36	1.35	0.92
1087	11.24	86.38	1083	-5	60	-41	1.94	1.79	4.19
1178	13.61	86.43	1172	-4	80	-52	2.60	2.60	0.05
1268	14.93	85.77	1259	-2	102	-64	1.48	1.47	-0.73
1360	16.87	86.11	1347	0	127	-78	2.11	2.11	0.37
1453	14.28	93.44	1437	0	152	-93	3.49	-2.78	7.88
1544	14.11	92.39	1525	-1	174	-108	0.34	-0.19	-1.15
1635	14.36	89.96	1613	-2	197	-122	0.71	0.27	-2.67
1724	17.85	92.74	1699	-2	221	-138	4.01	3.92	3.12
1817	19.32	93.02	1787	-4	251	-157	1.58	1.58	0.30
1911	17.50	90.22	1876	-5	280	-176	2.15	-1.94	-2.98
2006	17.29	89.90	1967	-5	309	-193	0.24	-0.22	-0.34
2101	19.75	95.82	2057	-6	339	-213	3.26	2.59	6.23
2196	20.66	95.21	2146	-9	372	-236	0.98	0.96	-0.64
2290	19.99	94.09	2234	-12	404	-258	0.82	-0.71	-1.19
2385	18.93	98.50	2324	-15	436	-280	1.91	-1.12	4.64
2480	16.88	97.27	2414	-20	465	-301	2.19	-2.16	-1.29
2575	14.60	94.61	2506	-22	490	-319	2.52	-2.40	-2.80
2670	13.26	91.80	2598	-24	513	-334	1.58	-1.41	-2.96
2765	11.08	89.97	2691	-24	533	-346	2.33	-2.29	-1.93
2860	9.74	90.16	2784	-24	550	-357	1.41	-1.41	0.20
2955	11.03	91.65	2878	-24	567	-367	1.39	1.36	1.57
3050	11.28	91.93	2971	-25	586	-379	0.27	0.26	0.29
3145	12.72	89.01	3064	-25	605	-391	1.64	1.52	-3.07
3240	12.01	85.84	3156	-24	626	-403	1.03	-0.75	-3.34
3335	13.01	90.50	3249	-23	646	-415	1.49	1.05	4.91
3430	11.34	88.42	3342	-23	666	-428	1.82	-1.76	-2.19
3525	12.45	87.93	3435	-23	686	-439	1.17	1.17	-0.52
3620	12.15	91.28	3528	-22	706	-451	0.81	-0.32	3.53
3715	13.22	88.80	3620	-22	727	-464	1.26	1.13	-2.61
3810	14.69	88.72	3713	-22	750	-478	1.55	1.55	-0.08
3905	13.55	88.70	3805	-21	773	-492	1.20	-1.20	-0.02
4000	13.56	92.01	3897	-22	795	-505	0.82	0.01	3.48
4076	12.31	95.24	3971	-23	812	-517	1.90	-1.64	4.25
4178	10.95	90.15	4071	-24	833	-530	1.67	-1.33	-4.99
4273	12.44	25.74	4165	-14	846	-531	13.12	1.57	-67.80
4368	18.41	345.93	4256	9	847	-513	12.44	6.28	-41.91
4463	24.04	335.54	4345	42	835	-480	7.11	5.93	-10.94
4558	28.31	327.54	4430	78	815	-439	5.82	4.49	-8.42
4653	30.54	327.94	4513	118	790	-392	2.36	2.35	0.42
4748	34.08	327.54	4593	161	763	-342	3.73	3.73	-0.42
4842	43.39	324.00	4666	209	730	-283	10.18	9.90	-3.77
4938	49.80	321.59	4732	265	688	-214	6.92	6.68	-2.51



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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)
5033	57.97	319.49	4788	324	639	-137	8.78	8.60	-2.21
5127	69.03	319.52	4830	388	585	-53	11.77	11.77	0.03
5222	76.87	320.47	4858	457	526	38	8.31	8.25	1.00
5254	80.06	319.42	4864	481	506	69	10.47	9.97	-3.28
5281	82.02	319.55	4869	501	489	96	7.27	7.26	0.48
5358	87.41	318.47	4876	559	438	172	7.14	7.00	-1.40
5452	88.10	318.12	4879	629	376	266	0.82	0.73	-0.37
5547	88.95	317.77	4882	700	312	361	0.97	0.89	-0.37
5641	89.96	317.86	4883	770	249	454	1.08	1.07	0.10
5735	89.56	317.59	4883	839	186	548	0.51	-0.43	-0.29
5829	90.35	316.80	4883	908	122	642	1.19	0.84	-0.84
5923	89.21	315.48	4884	976	57	735	1.86	-1.21	-1.40
6017	89.87	315.48	4884	1043	-9	829	0.70	0.70	0.00
6112	90.44	314.25	4884	1110	-76	923	1.43	0.60	-1.29
6206	89.08	313.81	4884	1175	-144	1016	1.52	-1.45	-0.47
6300	89.74	313.38	4885	1240	-212	1109	0.84	0.70	-0.46
6394	90.48	312.85	4885	1304	-280	1202	0.97	0.79	-0.56
6487	89.56	314.52	4885	1369	-348	1294	2.05	-0.99	1.80
6582	90.44	314.43	4885	1435	-416	1388	0.93	0.93	-0.09
6677	88.20	315.31	4886	1502	-483	1482	2.53	-2.36	0.93
6771	88.73	315.40	4889	1569	-549	1575	0.57	0.56	0.10
6865	89.69	314.87	4890	1636	-615	1669	1.17	1.02	-0.56
6958	89.87	317.24	4890	1703	-680	1761	2.56	0.19	2.55
7051	89.12	318.03	4891	1771	-742	1854	1.17	-0.81	0.85
7143	89.52	316.80	4892	1839	-805	1945	1.41	0.43	-1.34
7235	90.00	316.45	4893	1906	-868	2037	0.65	0.52	-0.38
7327	90.13	315.84	4893	1972	-932	2129	0.68	0.14	-0.66
7420	90.57	314.52	4892	2038	-997	2221	1.50	0.47	-1.42
7511	89.69	314.96	4892	2102	-1062	2311	1.08	-0.97	0.48
7604	90.09	314.78	4892	2168	-1128	2403	0.47	0.43	-0.19
7697	89.91	316.63	4892	2234	-1193	2496	2.00	-0.19	1.99
7790	91.01	317.59	4891	2303	-1256	2588	1.57	1.18	1.03
7882	89.65	317.07	4891	2370	-1318	2680	1.58	-1.48	-0.57
7975	90.79	316.80	4890	2438	-1382	2773	1.26	1.23	-0.29
8067	89.60	316.72	4890	2505	-1445	2864	1.30	-1.29	-0.09
8159	89.30	316.80	4891	2572	-1508	2956	0.34	-0.33	0.09
8251	89.47	316.54	4892	2639	-1571	3048	0.34	0.18	-0.28
8344	90.18	316.01	4892	2706	-1635	3140	0.95	0.76	-0.57
8436	88.90	316.01	4893	2772	-1699	3231	1.39	-1.39	0.00
8528	89.52	316.36	4894	2839	-1763	3323	0.77	0.67	0.38
8620	90.88	315.84	4894	2905	-1827	3414	1.58	1.48	-0.57
8712	89.21	316.45	4894	2971	-1890	3506	1.93	-1.82	0.66
8803	88.07	316.89	4896	3038	-1953	3597	1.34	-1.25	0.48
8895	88.11	316.63	4899	3105	-2016	3688	0.29	0.04	-0.28



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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)
8987	90.31	318.30	4900	3172	-2078	3780	3.00	2.39	1.82
9079	90.62	316.45	4900	3240	-2140	3871	2.04	0.34	-2.01
9170	91.54	316.01	4898	3306	-2203	3962	1.12	1.01	-0.48
9263	90.09	316.36	4897	3373	-2268	4054	1.60	-1.56	0.38
9355	90.88	315.92	4896	3439	-2331	4146	0.98	0.86	-0.48
9447	89.08	316.28	4896	3506	-2395	4237	2.00	-1.96	0.39
9539	89.82	316.10	4897	3572	-2459	4329	0.83	0.80	-0.20
9630	88.24	316.63	4898	3638	-2522	4419	1.83	-1.74	0.58
9722	89.47	316.63	4900	3705	-2585	4511	1.34	1.34	0.00
9816	89.91	315.13	4901	3772	-2650	4604	1.66	0.47	-1.60
9908	90.79	314.08	4900	3837	-2716	4696	1.49	0.96	-1.14
10,000	87.63	312.76	4901	3900	-2782	4787	3.72	-3.43	-1.43
10,092	88.15	311.71	4905	3962	-2850	4877	1.27	0.57	-1.14
10,184	89.74	312.23	4906	4023	-2919	4968	1.82	1.73	0.57
10,277	89.42	313.46	4907	4086	-2987	5060	1.37	-0.34	1.32
10,369	89.08	312.50	4908	4149	-3054	5150	1.11	-0.37	-1.04
10,462	88.68	311.18	4910	4211	-3124	5242	1.48	-0.43	-1.42
10,553	90.00	311.79	4911	4271	-3192	5331	1.60	1.45	0.67
10,645	90.53	313.38	4911	4334	-3260	5422	1.82	0.58	1.73
10,738	90.66	312.14	4910	4397	-3328	5514	1.34	0.14	-1.33
10,829	87.93	312.94	4911	4458	-3395	5603	3.13	-3.00	0.88
10,921	88.29	311.71	4914	4520	-3463	5694	1.39	0.39	-1.34
11,014	89.12	314.17	4916	4584	-3531	5786	2.79	0.89	2.65
11,106	90.26	313.81	4917	4648	-3597	5877	1.30	1.24	-0.39
11,198	89.17	317.24	4917	4713	-3662	5968	3.91	-1.18	3.73
11,290	90.70	317.86	4917	4781	-3724	6060	1.79	1.66	0.67
11,382	91.10	316.36	4916	4848	-3786	6152	1.69	0.43	-1.63
11,474	91.76	315.92	4913	4915	-3850	6243	0.86	0.72	-0.48
11,566	93.21	315.92	4909	4981	-3914	6334	1.58	1.58	0.00
11,656	94.44	315.57	4903	5045	-3977	6424	1.42	1.37	-0.39
11,713	94.44	315.57	4899	5086	-4016	6480	0.00	0.00	0.00
11,770	94.44	315.57	4895	5126	-4056	6537	0.00	0.00	0.00



Scientific Drilling
Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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)	
413	413	-5	-1	First Surface MWD Survey
4178	4071	-24	833	Last Surface MWD Survey
4273	4165	-14	846	First Curve MWD Survey
5281	4869	501	489	Last Curve MWD Survey
5358	4876	559	438	First Lateral MWD Survey
11,713	4899	5086	-4016	Last Lateral MWD Survey
11,770	4895	5126	-4056	Projection to TD

Checked By: _____ Approved By: _____ Date: _____



DJR

**Betonne Tsoie Unit
G34 2308 Pad
#507H**

End of Well Report



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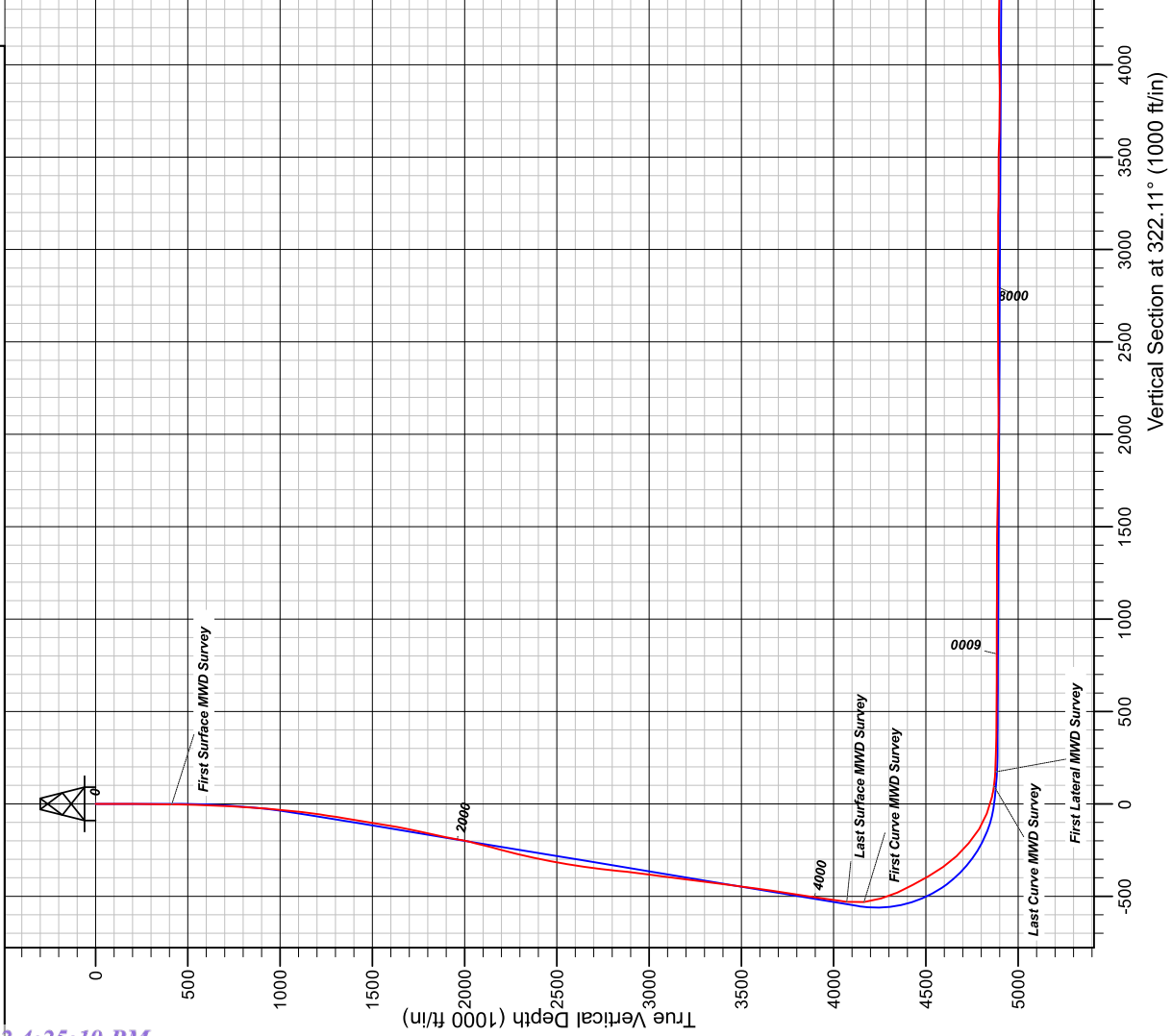
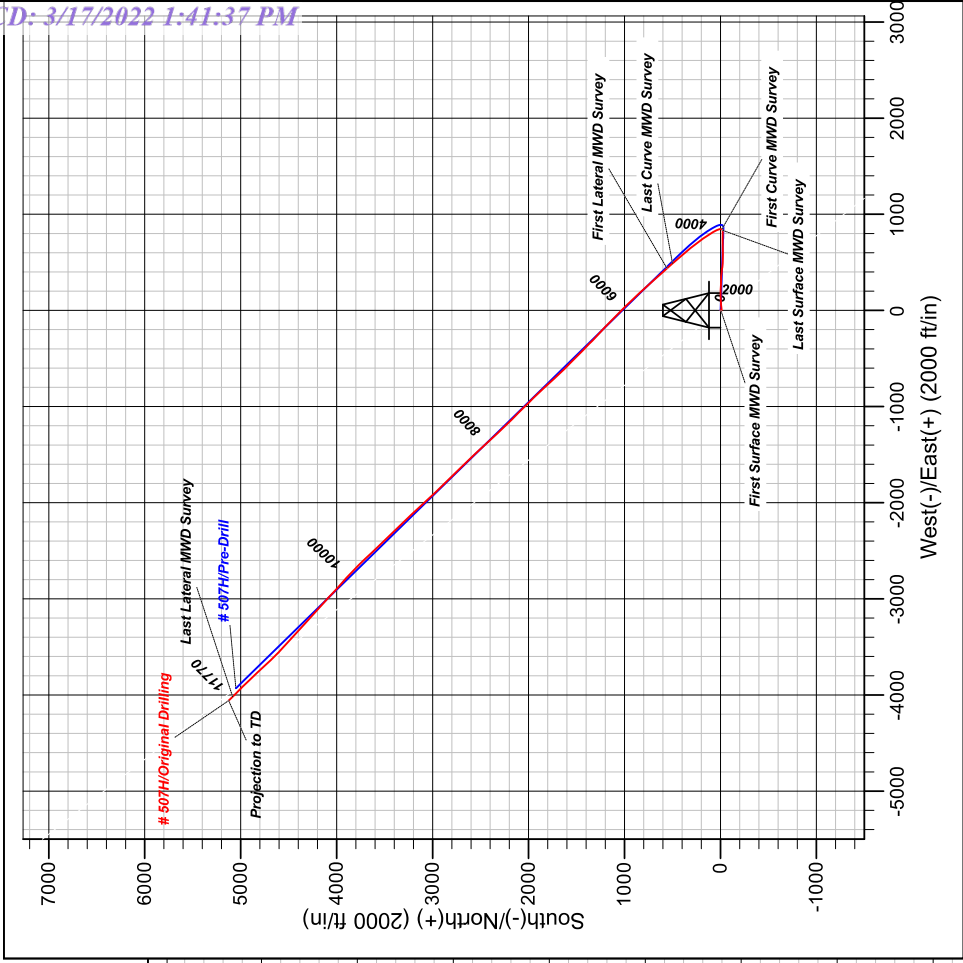


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- 1. Landmark Compass Directional Plot and Surveys**
- 2. BHA Summary & Daily Activity Reports**
- 3. Drilling Records and Slide Sheets**
- 4. Graphical Job History**
- 5. Support Staff**



Company Name: DJR Operating
Project: Betonnie Tsosie Unit
Site: G34 2308 Pad
Well: # 507H
Wellbore: Original Drilling



Design: Original Drilling (# 507H/Original Drilling)
Created By: Janie Collins Date: 10/25, August 31 2021
PROJECT DETAILS: Betonnie 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

G34 2308 Pad

507H - Slot 3

Original Drilling

Design: Original Drilling

Standard Survey Report

31 August, 2021



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Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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	G34 2308 Pad		
Site Position:		Northing:	1,887,253.23 usft
From:	Lat/Long	Easting:	2,771,935.23 usft
Position Uncertainty:	0 ft	Slot Radius:	13.20 in
		Latitude:	36.18657800
		Longitude:	-107.66781200
		Grid Convergence:	0.10 °

Well	# 507H - Slot 3		
Well Position	+N/-S	0 ft	Northing: 1,887,247.38 usft
	+E/-W	0 ft	Easting: 2,771,916.35 usft
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.18656200
		Longitude:	-107.66787600
		Ground Level:	6834 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	8/11/2021	8.57	62.68	49,157.70000000
	HDGM2021_FILE	8/21/2021	8.57	62.68	49,155.00000000

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	322.11

Survey Program	Date	8/31/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
413	4178	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
4273	5281	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
5358	11,770	Survey #3 - Lateral MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM

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
413	1.38	194.82	413	-5	-1	-3	0.33	0.33	0.00
443	1.60	202.96	443	-6	-2	-3	1.02	0.73	27.13
535	1.73	149.56	535	-8	-1	-5	1.63	0.14	-58.04
628	3.30	99.13	628	-10	2	-9	2.76	1.69	-54.23
720	4.78	90.89	720	-10	8	-13	1.72	1.61	-8.96
812	6.64	85.26	811	-10	18	-18	2.11	2.02	-6.12
904	8.37	81.75	902	-8	30	-25	1.94	1.88	-3.82



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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)
997	9.63	82.61	994	-6	44	-32	1.36	1.35	0.92
1087	11.24	86.38	1083	-5	60	-41	1.94	1.79	4.19
1178	13.61	86.43	1172	-4	80	-52	2.60	2.60	0.05
1268	14.93	85.77	1259	-2	102	-64	1.48	1.47	-0.73
1360	16.87	86.11	1347	0	127	-78	2.11	2.11	0.37
1453	14.28	93.44	1437	0	152	-93	3.49	-2.78	7.88
1544	14.11	92.39	1525	-1	174	-108	0.34	-0.19	-1.15
1635	14.36	89.96	1613	-2	197	-122	0.71	0.27	-2.67
1724	17.85	92.74	1699	-2	221	-138	4.01	3.92	3.12
1817	19.32	93.02	1787	-4	251	-157	1.58	1.58	0.30
1911	17.50	90.22	1876	-5	280	-176	2.15	-1.94	-2.98
2006	17.29	89.90	1967	-5	309	-193	0.24	-0.22	-0.34
2101	19.75	95.82	2057	-6	339	-213	3.26	2.59	6.23
2196	20.66	95.21	2146	-9	372	-236	0.98	0.96	-0.64
2290	19.99	94.09	2234	-12	404	-258	0.82	-0.71	-1.19
2385	18.93	98.50	2324	-15	436	-280	1.91	-1.12	4.64
2480	16.88	97.27	2414	-20	465	-301	2.19	-2.16	-1.29
2575	14.60	94.61	2506	-22	490	-319	2.52	-2.40	-2.80
2670	13.26	91.80	2598	-24	513	-334	1.58	-1.41	-2.96
2765	11.08	89.97	2691	-24	533	-346	2.33	-2.29	-1.93
2860	9.74	90.16	2784	-24	550	-357	1.41	-1.41	0.20
2955	11.03	91.65	2878	-24	567	-367	1.39	1.36	1.57
3050	11.28	91.93	2971	-25	586	-379	0.27	0.26	0.29
3145	12.72	89.01	3064	-25	605	-391	1.64	1.52	-3.07
3240	12.01	85.84	3156	-24	626	-403	1.03	-0.75	-3.34
3335	13.01	90.50	3249	-23	646	-415	1.49	1.05	4.91
3430	11.34	88.42	3342	-23	666	-428	1.82	-1.76	-2.19
3525	12.45	87.93	3435	-23	686	-439	1.17	1.17	-0.52
3620	12.15	91.28	3528	-22	706	-451	0.81	-0.32	3.53
3715	13.22	88.80	3620	-22	727	-464	1.26	1.13	-2.61
3810	14.69	88.72	3713	-22	750	-478	1.55	1.55	-0.08
3905	13.55	88.70	3805	-21	773	-492	1.20	-1.20	-0.02
4000	13.56	92.01	3897	-22	795	-505	0.82	0.01	3.48
4076	12.31	95.24	3971	-23	812	-517	1.90	-1.64	4.25
4178	10.95	90.15	4071	-24	833	-530	1.67	-1.33	-4.99
4273	12.44	25.74	4165	-14	846	-531	13.12	1.57	-67.80
4368	18.41	345.93	4256	9	847	-513	12.44	6.28	-41.91
4463	24.04	335.54	4345	42	835	-480	7.11	5.93	-10.94
4558	28.31	327.54	4430	78	815	-439	5.82	4.49	-8.42
4653	30.54	327.94	4513	118	790	-392	2.36	2.35	0.42
4748	34.08	327.54	4593	161	763	-342	3.73	3.73	-0.42
4842	43.39	324.00	4666	209	730	-283	10.18	9.90	-3.77
4938	49.80	321.59	4732	265	688	-214	6.92	6.68	-2.51



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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)
5033	57.97	319.49	4788	324	639	-137	8.78	8.60	-2.21
5127	69.03	319.52	4830	388	585	-53	11.77	11.77	0.03
5222	76.87	320.47	4858	457	526	38	8.31	8.25	1.00
5254	80.06	319.42	4864	481	506	69	10.47	9.97	-3.28
5281	82.02	319.55	4869	501	489	96	7.27	7.26	0.48
5358	87.41	318.47	4876	559	438	172	7.14	7.00	-1.40
5452	88.10	318.12	4879	629	376	266	0.82	0.73	-0.37
5547	88.95	317.77	4882	700	312	361	0.97	0.89	-0.37
5641	89.96	317.86	4883	770	249	454	1.08	1.07	0.10
5735	89.56	317.59	4883	839	186	548	0.51	-0.43	-0.29
5829	90.35	316.80	4883	908	122	642	1.19	0.84	-0.84
5923	89.21	315.48	4884	976	57	735	1.86	-1.21	-1.40
6017	89.87	315.48	4884	1043	-9	829	0.70	0.70	0.00
6112	90.44	314.25	4884	1110	-76	923	1.43	0.60	-1.29
6206	89.08	313.81	4884	1175	-144	1016	1.52	-1.45	-0.47
6300	89.74	313.38	4885	1240	-212	1109	0.84	0.70	-0.46
6394	90.48	312.85	4885	1304	-280	1202	0.97	0.79	-0.56
6487	89.56	314.52	4885	1369	-348	1294	2.05	-0.99	1.80
6582	90.44	314.43	4885	1435	-416	1388	0.93	0.93	-0.09
6677	88.20	315.31	4886	1502	-483	1482	2.53	-2.36	0.93
6771	88.73	315.40	4889	1569	-549	1575	0.57	0.56	0.10
6865	89.69	314.87	4890	1636	-615	1669	1.17	1.02	-0.56
6958	89.87	317.24	4890	1703	-680	1761	2.56	0.19	2.55
7051	89.12	318.03	4891	1771	-742	1854	1.17	-0.81	0.85
7143	89.52	316.80	4892	1839	-805	1945	1.41	0.43	-1.34
7235	90.00	316.45	4893	1906	-868	2037	0.65	0.52	-0.38
7327	90.13	315.84	4893	1972	-932	2129	0.68	0.14	-0.66
7420	90.57	314.52	4892	2038	-997	2221	1.50	0.47	-1.42
7511	89.69	314.96	4892	2102	-1062	2311	1.08	-0.97	0.48
7604	90.09	314.78	4892	2168	-1128	2403	0.47	0.43	-0.19
7697	89.91	316.63	4892	2234	-1193	2496	2.00	-0.19	1.99
7790	91.01	317.59	4891	2303	-1256	2588	1.57	1.18	1.03
7882	89.65	317.07	4891	2370	-1318	2680	1.58	-1.48	-0.57
7975	90.79	316.80	4890	2438	-1382	2773	1.26	1.23	-0.29
8067	89.60	316.72	4890	2505	-1445	2864	1.30	-1.29	-0.09
8159	89.30	316.80	4891	2572	-1508	2956	0.34	-0.33	0.09
8251	89.47	316.54	4892	2639	-1571	3048	0.34	0.18	-0.28
8344	90.18	316.01	4892	2706	-1635	3140	0.95	0.76	-0.57
8436	88.90	316.01	4893	2772	-1699	3231	1.39	-1.39	0.00
8528	89.52	316.36	4894	2839	-1763	3323	0.77	0.67	0.38
8620	90.88	315.84	4894	2905	-1827	3414	1.58	1.48	-0.57
8712	89.21	316.45	4894	2971	-1890	3506	1.93	-1.82	0.66
8803	88.07	316.89	4896	3038	-1953	3597	1.34	-1.25	0.48
8895	88.11	316.63	4899	3105	-2016	3688	0.29	0.04	-0.28



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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)
8987	90.31	318.30	4900	3172	-2078	3780	3.00	2.39	1.82
9079	90.62	316.45	4900	3240	-2140	3871	2.04	0.34	-2.01
9170	91.54	316.01	4898	3306	-2203	3962	1.12	1.01	-0.48
9263	90.09	316.36	4897	3373	-2268	4054	1.60	-1.56	0.38
9355	90.88	315.92	4896	3439	-2331	4146	0.98	0.86	-0.48
9447	89.08	316.28	4896	3506	-2395	4237	2.00	-1.96	0.39
9539	89.82	316.10	4897	3572	-2459	4329	0.83	0.80	-0.20
9630	88.24	316.63	4898	3638	-2522	4419	1.83	-1.74	0.58
9722	89.47	316.63	4900	3705	-2585	4511	1.34	1.34	0.00
9816	89.91	315.13	4901	3772	-2650	4604	1.66	0.47	-1.60
9908	90.79	314.08	4900	3837	-2716	4696	1.49	0.96	-1.14
10,000	87.63	312.76	4901	3900	-2782	4787	3.72	-3.43	-1.43
10,092	88.15	311.71	4905	3962	-2850	4877	1.27	0.57	-1.14
10,184	89.74	312.23	4906	4023	-2919	4968	1.82	1.73	0.57
10,277	89.42	313.46	4907	4086	-2987	5060	1.37	-0.34	1.32
10,369	89.08	312.50	4908	4149	-3054	5150	1.11	-0.37	-1.04
10,462	88.68	311.18	4910	4211	-3124	5242	1.48	-0.43	-1.42
10,553	90.00	311.79	4911	4271	-3192	5331	1.60	1.45	0.67
10,645	90.53	313.38	4911	4334	-3260	5422	1.82	0.58	1.73
10,738	90.66	312.14	4910	4397	-3328	5514	1.34	0.14	-1.33
10,829	87.93	312.94	4911	4458	-3395	5603	3.13	-3.00	0.88
10,921	88.29	311.71	4914	4520	-3463	5694	1.39	0.39	-1.34
11,014	89.12	314.17	4916	4584	-3531	5786	2.79	0.89	2.65
11,106	90.26	313.81	4917	4648	-3597	5877	1.30	1.24	-0.39
11,198	89.17	317.24	4917	4713	-3662	5968	3.91	-1.18	3.73
11,290	90.70	317.86	4917	4781	-3724	6060	1.79	1.66	0.67
11,382	91.10	316.36	4916	4848	-3786	6152	1.69	0.43	-1.63
11,474	91.76	315.92	4913	4915	-3850	6243	0.86	0.72	-0.48
11,566	93.21	315.92	4909	4981	-3914	6334	1.58	1.58	0.00
11,656	94.44	315.57	4903	5045	-3977	6424	1.42	1.37	-0.39
11,713	94.44	315.57	4899	5086	-4016	6480	0.00	0.00	0.00
11,770	94.44	315.57	4895	5126	-4056	6537	0.00	0.00	0.00



Scientific Drilling
Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 507H - Slot 3
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & 26' @ 6860ft (H&P 443)
Well:	# 507H	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)	
413	413	-5	-1	First Surface MWD Survey
4178	4071	-24	833	Last Surface MWD Survey
4273	4165	-14	846	First Curve MWD Survey
5281	4869	501	489	Last Curve MWD Survey
5358	4876	559	438	First Lateral MWD Survey
11,713	4899	5086	-4016	Last Lateral MWD Survey
11,770	4895	5126	-4056	Projection to TD

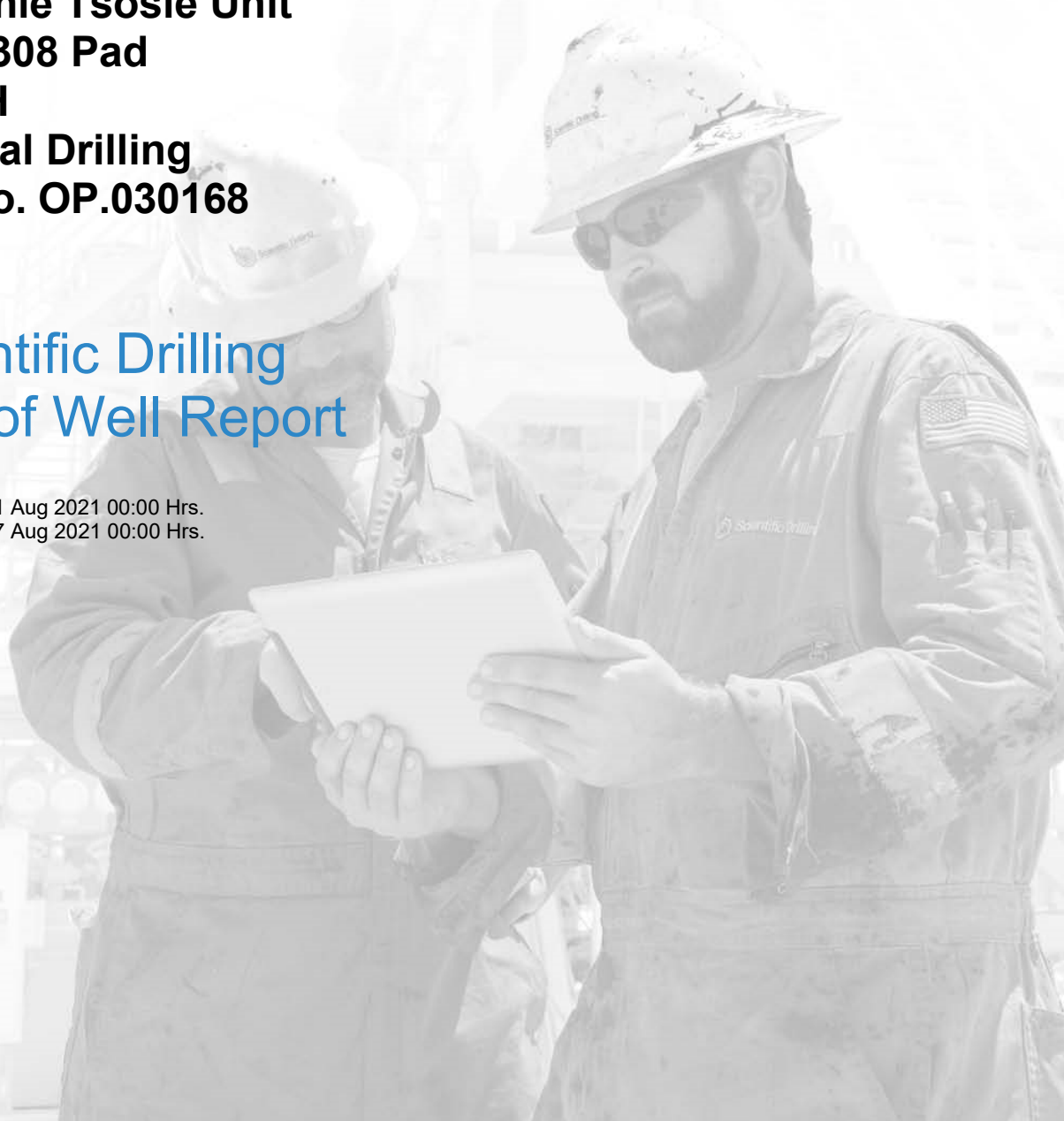
Checked By: _____ Approved By: _____ Date: _____



DJR Operating
DJR
Betonnies Tsosie Unit
G34 2308 Pad
507H
Original Drilling
Job No. OP.030168

Scientific Drilling End of Well Report

Start Time: 11 Aug 2021 00:00 Hrs.
End Time: 27 Aug 2021 00:00 Hrs.





DJR Operating DJR, Bettonie Tsosie Unit

End of Well Report for G34 2308 Pad, # 507H

Job Number: OP.030168	Region:	Lease/Block:	Company Rep. #1: James Retherford
Customer: DJR Operating	Field: DJR	UWI No.:	Company Rep. #2: Shane Heard
Well Name: # 507H	Project: Bettonie Tsosie Unit	Start Date: Wednesday, August 11, 2021	Geologist:
Rig Name: H&P 443	Structure: G34 2308 Pad	End Date: Friday, August 27, 2021	Directional Supervisor: Troy Ellis

Drilling Summary				Pump Details							
Start Depth: 385.00ft	End Depth: 11,770.00ft	Below Rotary Hours: 124.95hrs	Circulating Hours: 76.08hrs	#	Model	Liner Size (")	Liner Rating (%)	Volume Efficiency (%)	Vol. per Stroke (gal(US))	Maximum Pressure (psi)	Maximum Flow (gpm(US))
Total Depth Drilled: 11,328.00ft	Total Drilled Hours: 52.67hrs	Ave. Total ROP: 215.09ft/hr	Percent Drilling: 42.15%	1	Gardner-Denver PZ-11-1600	5 1/2	85.00	95.00	3.22	4,756	515
Total Rotating: 9,195.00ft	Rotating Hours: 29.43hrs	Ave. Rotating ROP: 312.40ft/hr	Percent Rotating: 81.17%	2	Gardner-Denver PZ-11-1600	5 1/2	85.00	95.00	3.22	4,756	515
Total Sliding: 2,133.00ft	Sliding Hours: 23.23hrs	Ave. Sliding ROP: 91.81ft/hr	Percent Sliding: 18.83%	3							

Drilling Parameters - BHA #1 Vertical						Bit Record - BHA #1 Vertical			
	Min	Max		Min	Max	Bit Number (Bit Run): 1 (Run 1)	Description: NOV TK56 7x14's		
WOB (lbf)	22	35	SPP Off Bottom (psi)	1,730	3,200	Manufacturer:	TFA:	Jets:	
Pick Up (lbf)	81	165	SPP On Bottom (psi)	2,330	3,950	NOV	1.052in ²	7 x 14'S	
Slack Off (lbf)	70	145	Delta Pressure (psi)	-250	1,080	Model:	Bit Diameter:	Bit Hours:	
Rot. Off Bottom (lbf)	76	155	Flow Rate (gpm(US))	600	605	TK56	8 3/4"	10.90Hrs	
Bottom Hole Temp (°F)	86.0	128.0	Pump Rate (SPM)	197	200	Type:	IADC#:	Bit Footage:	
Rotary Speed (RPM)	50	50	Motor Speed (RPM)	174	225	8 3/4" PDC		3,754.00ft	
Surface Torque (ft-lbs)	4,500	13,500				Serial Number:	Condition:		
						A261134	Chipped Teeth and Cutters		
						Grade:	Reason for pulling out of hole:		
						1,1	Finished Vertical Section of Well		

Drilling Summary - BHA #1 Vertical									
Start Depth: 385.00ft	Total Rotating: 2,899.00ft	End Depth: 4,139.00ft	Rotating Hours: 6.00hrs	Below Rotary Hours: 25.67hrs	Ave. Rotating ROP: 483.17ft/hr	Circulating Hours: 12.90hrs	Percent Rotating: 77.22%		
Total Depth Drilled: 3,754.00ft	Total Sliding: 855.00ft	Total Drilled Hours: 10.90hrs	Sliding Hours: 4.90hrs	Ave. Total ROP: 344.40ft/hr	Ave. Sliding ROP: 174.49ft/hr	Percent Drilling: 42.47%	Percent Sliding: 22.78%		

Drillstring Components - BHA #1 Vertical										
Item #	Description	Vendor	Serial No.	Outside Diameter (")	Inside Diameter (")	Linear Weight (lbs/ft)	Compn't Weight (lbf)	Top Connection	Length (ft)	Total Length (ft)
1	NOV TK56 7x14's	NOV	A261134	8 3/4	0	0.00	0	4 1/2 REGP	0.80	0.80
2	SDI 7:8 6.4 1.75FBH	SDI	65339	6 1/2	0	0.00	0	4 1/2 IF	32.98	33.78
3	6 1/2" NMFP	SDI	DR20053	6 13/16	3 1/4	0.00	0	4 1/2 IF	9.72	43.50
4	6 1/2" Flex NMDC	SDI	DR29580	6 7/16	3 1/4	0.00	0	4 1/2 IF	29.89	73.39
5	6 1/2" HOS	SDI	8-1187	6 1/4	3 1/4	0.00	0	4 1/2 IF	3.96	77.35
6	6 1/2" Gap Sub	SDI	69-107	6 3/4	2 3/4	0.00	0	4 1/2 IF	4.02	81.37
7	6 1/2" NMPC	SDI	125-091	6 1/4	3 1/4	0.00	0	4 1/2 IF	9.24	90.61
8	6 1/2" NMDC	SDI	122-1103	6 3/8	3 1/4	0.00	0	4 1/2 IF	28.21	118.82
9	X-Over	SDI	232-001	6 3/4	3	0.00	0	4 1/2 XH	4.00	122.82
10	2 Joints HWDP	Rig DP	555	4 1/2	2.360	0.00	0	4 1/2 XH	61.58	184.40
11	X-Over	DJR	666	6 3/4	3	0.00	0	4 1/2 IF	1.83	186.23
12	Ream-N-Drill	SD	DTR DNI 457	6 3/4	3 1/2	0.00	0	4 1/2 IF	8.44	194.67
13	X-Over	DJR	232-001	6 3/4	3	0.00	0	4 1/2 XH	1.23	195.90

Drillstring Discussion										
Flow Range	300-600 gal/min									
Speed Range	86 - 180 RPM									
Speed Ratio	0.29 rev/gal									
Max Differential Pressure	1,440 psi									



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Drilling Parameters - BHA #2 Curve						Bit Record - BHA #2 Curve		
	Min	Max		Min	Max	Bit Number (Bit Run):	Description:	
WOB (lbf)	15	28	SPP Off Bottom (psi)	2,560	2,900	2 (Run 1)	NOV TKC56 5x16's	
Pick Up (lbf)	190	190	SPP On Bottom (psi)	2,980	3,750	Manufacturer:	TFA:	Jets:
Slack Off (lbf)	140	140	Delta Pressure: (psi)	420	850	NOV	0.982in ²	5 x 16'S
Rot. Off Bottom (lbf)	154	154	Flow Rate (gpm(US))	600	600	Model:	Bit Diameter:	Bit Hours:
Bottom Hole Temp (°F)	123.0	123.0	Pump Rate (SPM)	200	200	TKC56	8 3/4"	7.83Hrs
Rotary Speed (RPM)	25	25	Motor Speed (RPM)		325	Type:	IADC#:	Bit Footage:
Surface Torque (ft-lbs)	6,200	9,400				8 3/4" PDC	N/A	1,199.00ft
						Serial Number:	Condition:	
						A245024	Chipped Teeth and Cutters	
						Grade:	Reason for pulling out of hole:	
						1,2	Landed Curve	

Drilling Summary - BHA #2 Curve							
Start Depth:	Total Rotating:	End Depth:	Rotating Hours:	Below Rotary Hours:	Ave. Rotating ROP:	Circulating Hours:	Percent Rotating:
4,139.00ft	471.00ft	5,338.00ft	3.00hrs	19.82hrs	157.00ft/hr	13.10hrs	39.28%
Total Depth Drilled:	Total Sliding:	Total Drilled Hours:	Sliding Hours:	Ave. Total ROP:	Ave. Sliding ROP:	Percent Drilling:	Percent Sliding:
1,199.00ft	728.00ft	7.83hrs	4.83hrs	153.06ft/hr	150.62ft/hr	39.53%	60.72%

Drillstring Components - BHA #2 Curve										
Item #	Description	Vendor	Serial No.	Outside Diameter (")	Inside Diameter (")	Linear Weight (lbs/ft)	Compn't Weight (lbf)	Top Connection	Length (ft)	Total Length (ft)
1	NOV TKC56 5x16's	NOV	A245024	8 3/4	0	0.00	0	4 1/2 REGP	0.80	0.80
2	SDI 4:5 7.0 2.25FBH	SDI	6747	6 3/4	0	0.00	0	4 1/2 IF	26.95	27.75
3	6 1/2" NMFP	SDI	DR20053	6 13/16	3 1/4	0.00	0	4 1/2 IF	9.72	37.47
4	6 1/2" Flex NMDC	SDI	DR29580	6 7/16	3 1/4	0.00	0	4 1/2 IF	29.89	67.36
5	6 1/2" HOS	SDI	8-1187	6 1/4	3 1/4	0.00	0	4 1/2 IF	3.96	71.32
6	6 1/2" Gap Sub	SDI	69-107	6 3/4	2 3/4	0.00	0	4 1/2 IF	4.02	75.34
7	6 1/2" NMPC	SDI	125-091	6 1/4	3 1/4	0.00	0	4 1/2 IF	9.24	84.58
8	6 1/2" NMDC	SDI	122-1103	6 3/8	3 1/4	0.00	0	4 1/2 IF	28.21	112.79
9	X-Over	SDI	232-001	6 3/4	3	0.00	0	4 1/2 XH	4.00	116.79
10	13 Stands DP	Rig DP	555	4 1/2	2 3/4	0.00	0	4 1/2 XH	1,228.50	1,345.29

Drillstring Discussion

Flow Range 300-600 gal/min
Speed Range 149 - 300 RPM
Speed Ratio 0.50 rev/gal
Max Differential Pressure 1,580 psi

Drilling Parameters - BHA #3 Lateral						Bit Record - BHA #3 Lateral		
	Min	Max		Min	Max	Bit Number (Bit Run):	Description:	
WOB (lbf)	14	45	SPP Off Bottom (psi)	2,500	2,900	1 (Run 2)	6 1/8" NOV PDC	
Pick Up (lbf)	120	230	SPP On Bottom (psi)	2,950	3,750	Manufacturer:	TFA:	Jets:
Slack Off (lbf)	65	100	Delta Pressure: (psi)	450	950	NOV	0.000in ²	5 x 16's
Rot. Off Bottom (lbf)	109	150	Flow Rate (gpm(US))	300	304	Model:	Bit Diameter:	Bit Hours:
Bottom Hole Temp (°F)	125.0	136.0	Pump Rate (SPM)	92	94	TK56	6 1/8"	33.93Hrs (44.83Hrs)
Rotary Speed (RPM)	50	65	Motor Speed (RPM)	243	311	Type:	IADC#:	Bit Footage:
Surface Torque (ft-lbs)	7,000	13,500				6 1/8 PDC	N/A	6,432.00ft (10,186.00ft)
						Serial Number:	Condition:	
						A255246	No Dull Characteristics	
						Grade:	Reason for pulling out of hole:	
						0-1-NO-A-X-I-TD	TD	

Drilling Summary - BHA #3 Lateral							
Start Depth:	Total Rotating:	End Depth:	Rotating Hours:	Below Rotary Hours:	Ave. Rotating ROP:	Circulating Hours:	Percent Rotating:
5,338.00ft	5,882.00ft	11,770.00ft	20.43hrs	79.47hrs	287.86ft/hr	50.08hrs	91.45%
Total Depth Drilled:	Total Sliding:	Total Drilled Hours:	Sliding Hours:	Ave. Total ROP:	Ave. Sliding ROP:	Percent Drilling:	Percent Sliding:
6,432.00ft	550.00ft	33.93hrs	13.50hrs	189.55ft/hr	40.74ft/hr	42.70%	8.55%

Drillstring Components - BHA #3 Lateral										
Item #	Description	Vendor	Serial No.	Outside Diameter (")	Inside Diameter (")	Linear Weight (lbs/ft)	Compn't Weight (lbf)	Top Connection	Length (ft)	Total Length (ft)
1	6 1/8" NOV PDC	NOV	A255246	6 1/8	0	0.00	0	3 1/2 REG	0.70	0.70



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Drillstring Components - BHA #3 Lateral										
Item #	Description	Vendor	Serial No.	Outside Diameter (")	Inside Diameter (")	Linear Weight (lbs/ft)	Compn't Weight (lbf)	Top Connection	Length (ft)	Total Length (ft)
2	ADT 6/7 8.0 1.83FBH	Alliance	ADT 47549	5	0	0.00	0	3 1/2 IF	28.49	29.19
3	5 1/2" NM STAB	DTI	DR25058	4.800	2.690	0.00	0	3 1/2 IF	3.91	33.10
4	4 3/4" NMPC	ADT	AMPC4002	4.670	2.690	0.00	0	3 1/2 IF	9.64	42.74
5	4 3/4" NMDC	ADT	SSS6668	4.470	2 11/16	0.00	0	3 1/2 IF	30.58	73.32
6	GAP SUB	ENSGN	GAP450118 0316	4.730	2.690	0.00	0	3 1/2 IF	5.64	78.96
7	4 3/4" NMDC	ADT	FDT70017	4.800	2 7/16	0.00	0	3 1/2 IF	31.06	110.02
8	4 3/4" NMDC	ADT	TDT30929	4.650	2 11/16	0.00	0	3 1/2 IF	23.90	133.92
9	3 1/2IF (P) x XT39 (B)	ADT	AX578	5.010	2.570	0.00	0	XT39	1.92	135.84
10	4" DP (57 JOINTS)	RIG	RIG	4	2 1/4	0.00	0	XT39	1,787.76	1,923.60
11	Agitator - XRV	XRV	ZAO175	4 7/8	2 5/8	0.00	0	XT39	8.93	1,932.53
12	4" DP (162 JOINTS)	RIG	RIG	4	2 1/4	0.00	0	XT39	5,083.42	7,015.95
13	4" HWDP (150 JOINTS)	RIG	RIG	4	2 1/4	0.00	0	XT39	4,607.85	11,623.80

Drillstring Discussion

Flow Range - 150-350 GPM
 Max Differential - 1800 PSI
 Stall Differential - 2700 PSI
 REV / GAL - .81

Activity Breakdown

Date	Start Time	End Time	Hours	Start Depth (ft)	End Depth (ft)	Depth Drilled (ft)	Rate of Penetr'n (ft/hr)	Activity	Comment
BHA #1 Vertical									
11 Aug 2021	00:00	08:00	8.00	385.00	385.00			Standby	Skid Rig - Nipple And Test BOP
11 Aug 2021	08:00	08:50	0.83	385.00	385.00			Change BHA	Make Up Tools / Install EM
11 Aug 2021	08:50	09:06	0.27	385.00	385.00			Tripping In	
11 Aug 2021	09:06	09:21	0.25	385.00	385.00			Drill Cement and/or Float Equipment	
11 Aug 2021	09:21	09:26	0.08	385.00	413.00	28.00	336.00	Rotating	
11 Aug 2021	09:26	09:28	0.03	413.00	413.00			Connection (drilling)	
11 Aug 2021	09:28	09:31	0.05	413.00	476.00	63.00	1,260.00	Rotating	
11 Aug 2021	09:31	09:42	0.18	476.00	476.00			Deviation Survey	
11 Aug 2021	09:42	09:48	0.10	476.00	491.00	15.00	150.00	Sliding	
11 Aug 2021	09:48	09:50	0.03	491.00	506.00	15.00	450.00	Rotating	
11 Aug 2021	09:50	09:58	0.13	506.00	506.00			Survey & Connection	
11 Aug 2021	09:58	10:02	0.07	506.00	535.00	29.00	435.00	Rotating	
11 Aug 2021	10:02	10:07	0.08	535.00	535.00			Other	Talkdown to EM
11 Aug 2021	10:07	10:23	0.27	535.00	535.00			Other	Jet Flowline
11 Aug 2021	10:23	10:26	0.05	535.00	598.00	63.00	1,260.00	Rotating	
11 Aug 2021	10:26	10:30	0.07	598.00	598.00			Survey & Connection	
11 Aug 2021	10:30	10:33	0.05	598.00	618.00	20.00	400.00	Sliding	
11 Aug 2021	10:33	10:38	0.08	618.00	691.00	73.00	876.00	Rotating	
11 Aug 2021	10:38	10:44	0.10	691.00	691.00			Survey & Connection	
11 Aug 2021	10:44	10:45	0.02	691.00	706.00	15.00	899.99	Sliding	
11 Aug 2021	10:45	10:50	0.08	706.00	783.00	77.00	924.00	Rotating	
11 Aug 2021	10:50	10:57	0.12	783.00	783.00			Survey & Connection	
11 Aug 2021	10:57	11:00	0.05	783.00	803.00	20.00	400.00	Sliding	
11 Aug 2021	11:00	11:05	0.08	803.00	875.00	72.00	864.00	Rotating	
11 Aug 2021	11:05	11:10	0.08	875.00	875.00			Survey & Connection	
11 Aug 2021	11:10	11:15	0.08	875.00	895.00	20.00	240.00	Sliding	
11 Aug 2021	11:15	11:18	0.05	895.00	967.00	72.00	1,440.00	Rotating	
11 Aug 2021	11:18	11:24	0.10	967.00	967.00			Survey & Connection	
11 Aug 2021	11:24	11:26	0.03	967.00	987.00	20.00	600.00	Sliding	
11 Aug 2021	11:26	11:31	0.08	987.00	1,060.00	73.00	876.00	Rotating	
11 Aug 2021	11:31	11:36	0.08	1,060.00	1,060.00			Survey & Connection	
11 Aug 2021	11:36	11:40	0.07	1,060.00	1,090.00	30.00	450.00	Sliding	
11 Aug 2021	11:40	11:44	0.07	1,090.00	1,150.00	60.00	900.00	Rotating	
11 Aug 2021	11:44	11:48	0.08	1,150.00	1,150.00			Survey & Connection	



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Activity Breakdown									
Date	Start Time	End Time	Hours	Start Depth (ft)	End Depth (ft)	Depth Drilled (ft)	Rate of Penetr'n (ft/hr)	Activity	Comment
11 Aug 2021	11:48	11:49	0.00	1,150.00	1,185.00	35.00	78,183,328.37	Sliding	
11 Aug 2021	11:49	11:54	0.08	1,185.00	1,241.00	56.00	672.00	Rotating	
11 Aug 2021	11:54	12:01	0.12	1,241.00	1,241.00			Survey & Connection	
11 Aug 2021	12:01	12:04	0.05	1,241.00	1,258.00	17.00	340.00	Sliding	
11 Aug 2021	12:04	12:09	0.08	1,258.00	1,331.00	73.00	876.00	Rotating	
11 Aug 2021	12:09	12:14	0.08	1,331.00	1,331.00			Survey & Connection	
11 Aug 2021	12:14	12:16	0.03	1,331.00	1,346.00	15.00	450.00	Sliding	
11 Aug 2021	12:16	12:21	0.08	1,346.00	1,423.00	77.00	924.00	Rotating	
11 Aug 2021	12:21	12:26	0.08	1,423.00	1,423.00			Survey & Connection	
11 Aug 2021	12:26	12:29	0.05	1,423.00	1,438.00	15.00	300.00	Sliding	
11 Aug 2021	12:29	12:34	0.08	1,438.00	1,516.00	78.00	936.00	Rotating	
11 Aug 2021	12:34	12:39	0.08	1,516.00	1,516.00			Survey & Connection	
11 Aug 2021	12:39	12:44	0.08	1,516.00	1,546.00	30.00	360.00	Sliding	
11 Aug 2021	12:44	12:48	0.07	1,546.00	1,607.00	61.00	915.00	Rotating	
11 Aug 2021	12:48	12:53	0.08	1,607.00	1,607.00			Survey & Connection	
11 Aug 2021	12:53	12:59	0.10	1,607.00	1,637.00	30.00	300.00	Sliding	
11 Aug 2021	12:59	13:02	0.05	1,637.00	1,668.00	31.00	620.00	Rotating	
11 Aug 2021	13:02	13:06	0.07	1,668.00	1,683.00	15.00	225.00	Sliding	
11 Aug 2021	13:06	13:08	0.03	1,683.00	1,698.00	15.00	450.00	Rotating	
11 Aug 2021	13:08	13:13	0.08	1,698.00	1,698.00			Survey & Connection	
11 Aug 2021	13:13	13:22	0.15	1,698.00	1,728.00	30.00	200.00	Sliding	
11 Aug 2021	13:22	13:26	0.07	1,728.00	1,787.00	59.00	885.00	Rotating	
11 Aug 2021	13:26	13:31	0.08	1,787.00	1,787.00			Survey & Connection	
11 Aug 2021	13:31	13:35	0.07	1,787.00	1,807.00	20.00	300.00	Sliding	
11 Aug 2021	13:35	13:41	0.10	1,807.00	1,880.00	73.00	730.00	Rotating	
11 Aug 2021	13:41	13:46	0.08	1,880.00	1,880.00			Survey & Connection	
11 Aug 2021	13:46	13:52	0.10	1,880.00	1,974.00	94.00	940.00	Rotating	
11 Aug 2021	13:52	14:12	0.33	1,974.00	1,974.00			Survey & Connection	Attempted to Slide / Stacking Weight
11 Aug 2021	14:12	14:17	0.08	1,974.00	1,985.00	11.00	132.00	Rotating	
11 Aug 2021	14:17	14:26	0.15	1,985.00	2,010.00	25.00	166.67	Sliding	
11 Aug 2021	14:26	14:31	0.08	2,010.00	2,069.00	59.00	708.00	Rotating	
11 Aug 2021	14:31	14:37	0.10	2,069.00	2,069.00			Survey & Connection	
11 Aug 2021	14:37	14:41	0.07	2,069.00	2,084.00	15.00	225.00	Sliding	
11 Aug 2021	14:41	14:43	0.03	2,084.00	2,164.00	80.00	2,399.99	Rotating	
11 Aug 2021	14:43	14:48	0.08	2,164.00	2,164.00			Survey & Connection	
11 Aug 2021	14:48	14:58	0.17	2,164.00	2,259.00	95.00	570.00	Rotating	
11 Aug 2021	14:58	15:02	0.08	2,259.00	2,259.00			Survey & Connection	
11 Aug 2021	15:02	15:12	0.15	2,259.00	2,259.00			Other	Troubleshoot EM
11 Aug 2021	15:12	15:15	0.05	2,259.00	2,269.00	10.00	200.00	Sliding	
11 Aug 2021	15:15	15:21	0.10	2,269.00	2,353.00	84.00	840.00	Rotating	
11 Aug 2021	15:21	15:31	0.17	2,353.00	2,353.00			Survey & Connection	
11 Aug 2021	15:31	15:39	0.13	2,353.00	2,378.00	25.00	187.50	Sliding	
11 Aug 2021	15:39	15:45	0.10	2,378.00	2,448.00	70.00	700.00	Rotating	
11 Aug 2021	15:45	15:58	0.22	2,448.00	2,448.00			Survey & Connection	
11 Aug 2021	15:58	16:06	0.13	2,448.00	2,483.00	35.00	262.50	Sliding	
11 Aug 2021	16:06	16:12	0.10	2,483.00	2,543.00	60.00	600.00	Rotating	
11 Aug 2021	16:12	16:19	0.12	2,543.00	2,543.00			Survey & Connection	
11 Aug 2021	16:19	16:25	0.10	2,543.00	2,552.00	9.00	90.00	Sliding	
11 Aug 2021	16:25	16:28	0.05	2,552.00	2,557.00	5.00	100.00	Rotating	
11 Aug 2021	16:28	16:33	0.08	2,557.00	2,578.00	21.00	252.00	Sliding	
11 Aug 2021	16:33	16:38	0.08	2,578.00	2,638.00	60.00	720.00	Rotating	
11 Aug 2021	16:38	16:47	0.15	2,638.00	2,638.00			Survey & Connection	
11 Aug 2021	16:47	16:51	0.07	2,638.00	2,643.00	5.00	75.00	Rotating	
11 Aug 2021	16:51	16:54	0.05	2,643.00	2,655.00	12.00	240.00	Sliding	
11 Aug 2021	16:54	17:06	0.20	2,655.00	2,733.00	78.00	390.00	Rotating	
11 Aug 2021	17:06	17:11	0.08	2,733.00	2,733.00			Survey & Connection	
11 Aug 2021	17:11	17:21	0.17	2,733.00	2,828.00	95.00	570.00	Rotating	
11 Aug 2021	17:21	17:25	0.07	2,828.00	2,828.00			Survey & Connection	
11 Aug 2021	17:25	17:30	0.08	2,828.00	2,866.00	38.00	456.00	Rotating	
11 Aug 2021	17:30	17:40	0.17	2,866.00	2,901.00	35.00	210.00	Sliding	



DJR Operating DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 507H

Activity Breakdown									
Date	Start Time	End Time	Hours	Start Depth (ft)	End Depth (ft)	Depth Drilled (ft)	Rate of Penetr'n (ft/hr)	Activity	Comment
11 Aug 2021	17:40	17:43	0.05	2,901.00	2,923.00	22.00	440.00	Rotating	
11 Aug 2021	17:43	17:47	0.07	2,923.00	2,923.00			Survey & Connection	
11 Aug 2021	17:47	18:00	0.22	2,923.00	3,018.00	95.00	438.46	Rotating	
11 Aug 2021	18:00	18:04	0.07	3,018.00	3,018.00			Survey & Connection	
11 Aug 2021	18:04	18:19	0.25	3,018.00	3,040.00	22.00	88.00	Sliding	Formation Ratty
11 Aug 2021	18:19	18:25	0.10	3,040.00	3,113.00	73.00	730.00	Rotating	
11 Aug 2021	18:25	18:30	0.08	3,113.00	3,113.00			Circulate and/or Condition Mud	Pump Sweep Ream Stand
11 Aug 2021	18:30	18:35	0.08	3,113.00	3,113.00			Survey & Connection	
11 Aug 2021	18:35	18:58	0.38	3,113.00	3,148.00	35.00	91.30	Sliding	
11 Aug 2021	18:58	19:06	0.13	3,148.00	3,208.00	60.00	450.00	Rotating	
11 Aug 2021	19:06	19:10	0.07	3,208.00	3,208.00			Circulate and/or Condition Mud	Ream Stand
11 Aug 2021	19:10	19:15	0.08	3,208.00	3,208.00			Survey & Connection	Bottom Line Check - GOOD
11 Aug 2021	19:15	19:31	0.27	3,208.00	3,303.00	95.00	356.25	Rotating	
11 Aug 2021	19:31	19:35	0.07	3,303.00	3,303.00			Survey & Connection	
11 Aug 2021	19:35	19:45	0.17	3,303.00	3,325.00	22.00	132.00	Sliding	
11 Aug 2021	19:45	19:52	0.12	3,325.00	3,335.00	10.00	85.71	Rotating	
11 Aug 2021	19:52	20:00	0.13	3,335.00	3,345.00	10.00	75.00	Sliding	Oscillating
11 Aug 2021	20:00	20:10	0.17	3,345.00	3,398.00	53.00	318.00	Rotating	
11 Aug 2021	20:10	20:15	0.08	3,398.00	3,398.00			Survey & Connection	
11 Aug 2021	20:15	20:20	0.08	3,398.00	3,453.00	55.00	660.00	Rotating	Dropping In Rotation
11 Aug 2021	20:20	20:35	0.25	3,453.00	3,493.00	40.00	160.00	Sliding	
11 Aug 2021	20:35	20:42	0.12	3,493.00	3,493.00			Circulate and/or Condition Mud	Ream Stand
11 Aug 2021	20:42	20:46	0.07	3,493.00	3,493.00			Survey & Connection	
11 Aug 2021	20:46	20:54	0.13	3,493.00	3,536.00	43.00	322.50	Rotating	
11 Aug 2021	20:54	21:13	0.32	3,536.00	3,569.00	33.00	104.21	Sliding	
11 Aug 2021	21:13	21:20	0.12	3,569.00	3,588.00	19.00	162.86	Rotating	
11 Aug 2021	21:20	21:24	0.07	3,588.00	3,588.00			Circulate and/or Condition Mud	Ream Stand
11 Aug 2021	21:24	21:28	0.07	3,588.00	3,588.00			Survey & Connection	
11 Aug 2021	21:28	21:33	0.08	3,588.00	3,608.00	20.00	240.00	Rotating	
11 Aug 2021	21:33	21:38	0.08	3,608.00	3,608.00			Circulate and/or Condition Mud	Check Shot @ 3545 Inc 12.61 Azm 89.04
11 Aug 2021	21:38	22:05	0.45	3,608.00	3,650.00	42.00	93.33	Sliding	Sliding - Ratty Formation
11 Aug 2021	22:05	22:15	0.17	3,650.00	3,683.00	33.00	198.00	Rotating	
11 Aug 2021	22:15	22:17	0.05	3,683.00	3,683.00			Circulate and/or Condition Mud	Ream Stand
11 Aug 2021	22:17	22:22	0.08	3,683.00	3,683.00			Survey & Connection	
11 Aug 2021	22:22	22:29	0.10	3,683.00	3,703.00	20.00	200.00	Rotating	
11 Aug 2021	22:29	22:41	0.20	3,703.00	3,736.00	33.00	165.00	Sliding	
11 Aug 2021	22:41	22:51	0.17	3,736.00	3,778.00	42.00	252.00	Rotating	
11 Aug 2021	22:51	22:54	0.05	3,778.00	3,778.00			Circulate and/or Condition Mud	Ream Stand
11 Aug 2021	22:54	22:58	0.07	3,778.00	3,778.00			Survey & Connection	
11 Aug 2021	22:58	23:06	0.13	3,778.00	3,798.00	20.00	150.00	Rotating	
11 Aug 2021	23:06	23:11	0.08	3,798.00	3,798.00			Circulate and/or Condition Mud	Attempt To Slide - Stacking Wt While Oscillating
11 Aug 2021	23:11	23:33	0.37	3,798.00	3,856.00	58.00	158.18	Rotating	
11 Aug 2021	23:33	23:37	0.07	3,856.00	3,860.00	4.00	60.00	Sliding	
11 Aug 2021	23:37	23:44	0.12	3,860.00	3,873.00	13.00	111.43	Rotating	
11 Aug 2021	23:44	23:48	0.07	3,873.00	3,873.00			Survey & Connection	
11 Aug 2021	23:48	00:00	0.20	3,873.00	3,925.00	52.00	260.00	Rotating	
12 Aug 2021	00:00	00:02	0.03	3,925.00	3,951.00	26.00	780.00	Rotating	Inc Dropping In Rotation
12 Aug 2021	00:02	00:14	0.20	3,951.00	3,968.00	17.00	85.00	Sliding	
12 Aug 2021	00:14	00:16	0.03	3,968.00	3,968.00			Circulate and/or Condition Mud	Ream Stand
12 Aug 2021	00:16	00:20	0.07	3,968.00	3,968.00			Survey & Connection	
12 Aug 2021	00:20	00:30	0.17	3,968.00	3,993.00	25.00	150.00	Rotating	
12 Aug 2021	00:30	00:46	0.27	3,993.00	4,026.00	33.00	123.75	Sliding	
12 Aug 2021	00:46	00:54	0.13	4,026.00	4,063.00	37.00	277.50	Rotating	
12 Aug 2021	00:54	00:57	0.05	4,063.00	4,063.00			Circulate and/or Condition Mud	Ream Stand
12 Aug 2021	00:57	01:02	0.08	4,063.00	4,063.00			Survey & Connection	
12 Aug 2021	01:02	01:03	0.02	4,063.00	4,084.00	21.00	1,260.00	Rotating	
12 Aug 2021	01:03	01:20	0.28	4,084.00	4,114.00	30.00	105.88	Sliding	
12 Aug 2021	01:20	01:28	0.13	4,114.00	4,139.00	25.00	187.50	Rotating	
12 Aug 2021	01:28	01:32	0.07	4,139.00	4,139.00			Circulate and/or Condition Mud	Ream Stand
12 Aug 2021	01:32	01:36	0.07	4,139.00	4,139.00			Deviation Survey	
12 Aug 2021	01:36	02:35	0.98	4,139.00	4,139.00			Circulate and/or Condition Mud	

8/31/2021 9:39 AM

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DJR Operating DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 507H

Activity Breakdown									
Date	Start Time	End Time	Hours	Start Depth (ft)	End Depth (ft)	Depth Drilled (ft)	Rate of Penetr'n (ft/hr)	Activity	Comment
12 Aug 2021	02:35	04:32	1.95	4,139.00	4,139.00			Short Trip Out	
12 Aug 2021	04:32	07:42	3.17	4,139.00	4,139.00			Short Trip In	
12 Aug 2021	07:42	07:43	0.02	4,139.00	4,139.00			Circulate and/or Condition Mud	
12 Aug 2021	07:43	10:30	2.78	4,139.00	4,139.00			Tripping Out	
12 Aug 2021	10:30	11:00	0.50	4,139.00	4,139.00			Change BHA	L/D BHA
BHA #2 Curve									
12 Aug 2021	11:00	11:30	0.50	4,139.00	4,139.00			Change BHA	P/U BHA
12 Aug 2021	11:30	13:47	2.28	4,139.00	4,139.00			Tripping In	
12 Aug 2021	13:47	14:15	0.47	4,139.00	4,189.00	50.00	107.14	Rotating	
12 Aug 2021	14:15	14:31	0.27	4,189.00	4,235.00	46.00	172.50	Sliding	
12 Aug 2021	14:31	14:36	0.08	4,235.00	4,235.00			Survey & Connection	
12 Aug 2021	14:36	14:43	0.12	4,235.00	4,255.00	20.00	171.43	Rotating	
12 Aug 2021	14:43	15:00	0.28	4,255.00	4,305.00	50.00	176.47	Sliding	
12 Aug 2021	15:00	15:08	0.13	4,305.00	4,330.00	25.00	187.50	Rotating	
12 Aug 2021	15:08	15:13	0.08	4,330.00	4,330.00			Survey & Connection	
12 Aug 2021	15:13	15:27	0.23	4,330.00	4,370.00	40.00	171.43	Sliding	
12 Aug 2021	15:27	15:51	0.40	4,370.00	4,425.00	55.00	137.50	Rotating	
12 Aug 2021	15:51	15:56	0.08	4,425.00	4,425.00			Survey & Connection	
12 Aug 2021	15:56	16:09	0.22	4,425.00	4,465.00	40.00	184.62	Sliding	
12 Aug 2021	16:09	16:30	0.35	4,465.00	4,520.00	55.00	157.14	Rotating	
12 Aug 2021	16:30	16:35	0.08	4,520.00	4,520.00			Survey & Connection	
12 Aug 2021	16:35	16:52	0.28	4,520.00	4,556.00	36.00	127.06	Sliding	
12 Aug 2021	16:52	17:15	0.38	4,556.00	4,615.00	59.00	153.91	Rotating	
12 Aug 2021	17:15	17:19	0.07	4,615.00	4,615.00			Survey & Connection	
12 Aug 2021	17:19	18:00	0.68	4,615.00	4,615.00			Circulate and/or Condition Mud	Blower Motor Malfunction On Top Drive
12 Aug 2021	18:00	18:20	0.33	4,615.00	4,638.00	23.00	69.00	Sliding	
12 Aug 2021	18:20	20:53	2.55	4,638.00	4,638.00			Circulate and/or Condition Mud	Pump Pressure Swings From 2700 Psi T/ 1850 Psi - Trouble Shoot Pump Pump Module Packed Off With Cuttings - Clean Out Module.
12 Aug 2021	20:53	21:00	0.12	4,638.00	4,654.00	16.00	137.14	Sliding	
12 Aug 2021	21:00	21:16	0.27	4,654.00	4,710.00	56.00	210.00	Rotating	
12 Aug 2021	21:16	21:22	0.10	4,710.00	4,710.00			Survey & Connection	
12 Aug 2021	21:22	21:53	0.52	4,710.00	4,805.00	95.00	183.87	Sliding	
12 Aug 2021	21:53	21:57	0.07	4,805.00	4,805.00			Survey & Connection	
12 Aug 2021	21:57	22:22	0.42	4,805.00	4,875.00	70.00	168.00	Sliding	
12 Aug 2021	22:22	22:31	0.15	4,875.00	4,899.00	24.00	160.00	Rotating	
12 Aug 2021	22:31	22:36	0.08	4,899.00	4,899.00			Survey & Connection	
12 Aug 2021	22:36	22:50	0.23	4,899.00	4,962.00	63.00	270.00	Sliding	
12 Aug 2021	22:50	23:00	0.17	4,962.00	4,995.00	33.00	198.00	Rotating	
12 Aug 2021	23:00	23:05	0.08	4,995.00	4,995.00			Survey & Connection	
12 Aug 2021	23:05	23:29	0.40	4,995.00	5,075.00	80.00	200.00	Sliding	
12 Aug 2021	23:29	23:35	0.10	5,075.00	5,090.00	15.00	150.00	Rotating	
12 Aug 2021	23:35	23:40	0.08	5,090.00	5,090.00			Survey & Connection	
12 Aug 2021	23:40	00:00	0.33	5,090.00	5,154.00	64.00	192.00	Sliding	
13 Aug 2021	00:00	00:10	0.17	5,154.00	5,184.00	30.00	180.00	Rotating	
13 Aug 2021	00:10	00:16	0.10	5,184.00	5,184.00			Survey & Connection	
13 Aug 2021	00:16	00:53	0.62	5,184.00	5,255.00	71.00	115.14	Sliding	
13 Aug 2021	00:53	00:57	0.07	5,255.00	5,255.00			Circulate and/or Condition Mud	Check Shot @ 5198 INC 73.33 AZM 321.30 5255 PTB INC 79.5 AZM 321.00
13 Aug 2021	00:57	01:08	0.18	5,255.00	5,279.00	24.00	130.91	Rotating	
13 Aug 2021	01:08	01:08	0.00	5,279.00	5,279.00			Survey & Connection	
13 Aug 2021	01:08	01:35	0.45	5,279.00	5,301.00	22.00	48.89	Sliding	
13 Aug 2021	01:35	01:40	0.08	5,301.00	5,311.00	10.00	120.00	Rotating	
13 Aug 2021	01:40	01:42	0.03	5,311.00	5,311.00			Survey & Connection	
13 Aug 2021	01:42	01:50	0.13	5,311.00	5,323.00	12.00	90.00	Sliding	
13 Aug 2021	01:50	01:52	0.03	5,323.00	5,338.00	15.00	450.00	Rotating	
13 Aug 2021	01:52	01:57	0.08	5,338.00	5,338.00			Deviation Survey	
13 Aug 2021	01:57	02:50	0.88	5,338.00	5,338.00			Circulate and/or Condition Mud	
13 Aug 2021	02:50	03:28	0.63	5,338.00	5,338.00			Short Trip Out	
13 Aug 2021	03:28	04:00	0.53	5,338.00	5,338.00			Short Trip In	
13 Aug 2021	04:00	05:05	1.08	5,338.00	5,338.00			Circulate and/or Condition Mud	TIH T/ 5150' - Fill Pipe And Wash / Ream F/ 5150' T/ 5338'
13 Aug 2021	05:05	07:19	2.23	5,338.00	5,338.00			Tripping Out	



DJR Operating DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 507H

Activity Breakdown									
Date	Start Time	End Time	Hours	Start Depth (ft)	End Depth (ft)	Depth Drilled (ft)	Rate of Penetr'n (ft/hr)	Activity	Comment
13 Aug 2021	07:19	07:50	0.52	5,338.00	5,338.00			Change BHA	
13 Aug 2021	07:50	00:00	16.17	5,338.00	5,338.00			Standby	Run Casing / Cement - Nipple Down And Prep To Skid Rig
BHA #3 Lateral									
22 Aug 2021	00:00	02:14	2.23	5,338.00	5,338.00			Standby	Change Out Grabber Dies On Top Drive
22 Aug 2021	02:14	03:44	1.50	5,338.00	5,338.00			Change BHA	
22 Aug 2021	03:44	09:59	6.25	5,338.00	5,338.00			Tripping In	
22 Aug 2021	09:59	10:25	0.43	5,338.00	5,338.00			Drill Cement and/or Float Equipment	
22 Aug 2021	10:25	10:49	0.40	5,338.00	5,415.00	77.00	192.50	Rotating	
22 Aug 2021	10:49	10:58	0.15	5,415.00	5,415.00			Survey & Connection	Wait On Survey
22 Aug 2021	10:58	11:16	0.30	5,415.00	5,509.00	94.00	313.33	Rotating	
22 Aug 2021	11:16	11:26	0.17	5,509.00	5,509.00			Survey & Connection	
22 Aug 2021	11:26	11:40	0.23	5,509.00	5,604.00	95.00	407.14	Rotating	
22 Aug 2021	11:40	11:49	0.15	5,604.00	5,604.00			Survey & Connection	
22 Aug 2021	11:49	12:01	0.20	5,604.00	5,698.00	94.00	470.00	Rotating	
22 Aug 2021	12:01	12:11	0.17	5,698.00	5,698.00			Survey & Connection	
22 Aug 2021	12:11	12:18	0.12	5,698.00	5,706.00	8.00	68.57	Sliding	
22 Aug 2021	12:18	12:32	0.23	5,706.00	5,792.00	86.00	368.57	Rotating	
22 Aug 2021	12:32	12:40	0.13	5,792.00	5,792.00			Survey & Connection	
22 Aug 2021	12:40	12:54	0.23	5,792.00	5,886.00	94.00	402.86	Rotating	
22 Aug 2021	12:54	13:05	0.18	5,886.00	5,886.00			Survey & Connection	
22 Aug 2021	13:05	13:12	0.12	5,886.00	5,899.00	13.00	111.43	Sliding	
22 Aug 2021	13:12	13:24	0.20	5,899.00	5,980.00	81.00	405.00	Rotating	
22 Aug 2021	13:24	13:33	0.15	5,980.00	5,980.00			Survey & Connection	
22 Aug 2021	13:33	13:45	0.20	5,980.00	6,074.00	94.00	470.00	Rotating	
22 Aug 2021	13:45	13:52	0.12	6,074.00	6,074.00			Survey & Connection	
22 Aug 2021	13:52	14:04	0.20	6,074.00	6,169.00	95.00	475.00	Rotating	
22 Aug 2021	14:04	14:17	0.22	6,169.00	6,169.00			Survey & Connection	Wait on Survey
22 Aug 2021	14:17	14:23	0.10	6,169.00	6,184.00	15.00	150.00	Sliding	
22 Aug 2021	14:23	14:35	0.20	6,184.00	6,263.00	79.00	395.00	Rotating	
22 Aug 2021	14:35	14:42	0.12	6,263.00	6,263.00			Survey & Connection	
22 Aug 2021	14:42	14:56	0.23	6,263.00	6,357.00	94.00	402.86	Rotating	
22 Aug 2021	14:56	15:05	0.15	6,357.00	6,357.00			Survey & Connection	Wait on Survey
22 Aug 2021	15:05	15:17	0.20	6,357.00	6,451.00	94.00	470.00	Rotating	
22 Aug 2021	15:17	15:29	0.20	6,451.00	6,451.00			Survey & Connection	
22 Aug 2021	15:29	15:36	0.12	6,451.00	6,471.00	20.00	171.43	Sliding	
22 Aug 2021	15:36	15:47	0.18	6,471.00	6,544.00	73.00	398.18	Rotating	
22 Aug 2021	15:47	15:55	0.13	6,544.00	6,544.00			Survey & Connection	
22 Aug 2021	15:55	16:07	0.20	6,544.00	6,639.00	95.00	475.00	Rotating	
22 Aug 2021	16:07	16:19	0.20	6,639.00	6,639.00			Survey & Connection	
22 Aug 2021	16:19	16:28	0.15	6,639.00	6,664.00	25.00	166.67	Sliding	
22 Aug 2021	16:28	16:32	0.07	6,664.00	6,734.00	70.00	1,050.00	Rotating	
22 Aug 2021	16:32	16:38	0.10	6,734.00	6,734.00			Survey & Connection	
22 Aug 2021	16:38	17:04	0.43	6,734.00	6,828.00	94.00	216.92	Rotating	Bottom Line Check - GOOD
22 Aug 2021	17:04	17:18	0.23	6,828.00	6,828.00			Circulate and/or Condition Mud	SPR's - Rig Service
22 Aug 2021	17:18	17:25	0.12	6,828.00	6,828.00			Survey & Connection	
22 Aug 2021	17:25	17:45	0.33	6,828.00	6,922.00	94.00	282.00	Rotating	
22 Aug 2021	17:45	17:49	0.07	6,922.00	6,922.00			Survey & Connection	
22 Aug 2021	17:49	17:55	0.10	6,922.00	6,942.00	20.00	200.00	Rotating	
22 Aug 2021	17:55	18:13	0.30	6,942.00	6,965.00	23.00	76.67	Sliding	
22 Aug 2021	18:13	18:22	0.15	6,965.00	7,015.00	50.00	333.33	Rotating	
22 Aug 2021	18:22	18:26	0.07	7,015.00	7,015.00			Survey & Connection	
22 Aug 2021	18:26	18:50	0.40	7,015.00	7,108.00	93.00	232.50	Rotating	
22 Aug 2021	18:50	18:54	0.07	7,108.00	7,108.00			Survey & Connection	
22 Aug 2021	18:54	19:07	0.22	7,108.00	7,200.00	92.00	424.62	Rotating	
22 Aug 2021	19:07	19:11	0.07	7,200.00	7,200.00			Survey & Connection	
22 Aug 2021	19:11	19:24	0.22	7,200.00	7,292.00	92.00	424.62	Rotating	
22 Aug 2021	19:24	19:28	0.07	7,292.00	7,292.00			Survey & Connection	
22 Aug 2021	19:28	19:42	0.23	7,292.00	7,384.00	92.00	394.29	Rotating	
22 Aug 2021	19:42	19:46	0.07	7,384.00	7,384.00			Survey & Connection	
22 Aug 2021	19:46	20:00	0.23	7,384.00	7,477.00	93.00	398.57	Rotating	



DJR Operating DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 507H

Activity Breakdown									
Date	Start Time	End Time	Hours	Start Depth (ft)	End Depth (ft)	Depth Drilled (ft)	Rate of Penetr'n (ft/hr)	Activity	Comment
22 Aug 2021	20:00	20:04	0.07	7,477.00	7,477.00			Survey & Connection	
22 Aug 2021	20:04	20:08	0.07	7,477.00	7,490.00	13.00	195.00	Rotating	
22 Aug 2021	20:08	20:16	0.13	7,490.00	7,508.00	18.00	135.00	Sliding	Oscilating By Hand
22 Aug 2021	20:16	20:31	0.25	7,508.00	7,568.00	60.00	240.00	Rotating	
22 Aug 2021	20:31	20:35	0.07	7,568.00	7,568.00			Survey & Connection	
22 Aug 2021	20:35	20:52	0.28	7,568.00	7,661.00	93.00	328.24	Rotating	
22 Aug 2021	20:52	20:56	0.07	7,661.00	7,661.00			Survey & Connection	
22 Aug 2021	20:56	21:10	0.23	7,661.00	7,682.00	21.00	90.00	Rotating	
22 Aug 2021	21:10	21:20	0.17	7,682.00	7,702.00	20.00	120.00	Sliding	Oscilating By Hand
22 Aug 2021	21:20	21:36	0.27	7,702.00	7,754.00	52.00	195.00	Rotating	
22 Aug 2021	21:36	21:40	0.07	7,754.00	7,754.00			Survey & Connection	
22 Aug 2021	21:40	21:58	0.30	7,754.00	7,847.00	93.00	310.00	Rotating	
22 Aug 2021	21:58	22:02	0.07	7,847.00	7,847.00			Survey & Connection	Deflection
22 Aug 2021	22:02	22:15	0.22	7,847.00	7,861.00	14.00	64.62	Rotating	
22 Aug 2021	22:15	22:32	0.28	7,861.00	7,876.00	15.00	52.94	Sliding	Oscilating By Hand
22 Aug 2021	22:32	22:48	0.27	7,876.00	7,939.00	63.00	236.25	Rotating	
22 Aug 2021	22:48	22:52	0.07	7,939.00	7,939.00			Survey & Connection	
22 Aug 2021	22:52	23:07	0.25	7,939.00	8,032.00	93.00	372.00	Rotating	
22 Aug 2021	23:07	23:11	0.07	8,032.00	8,032.00			Survey & Connection	
22 Aug 2021	23:11	23:22	0.18	8,032.00	8,050.00	18.00	98.18	Rotating	
22 Aug 2021	23:22	23:38	0.27	8,050.00	8,068.00	18.00	67.50	Sliding	Oscilating By Hand
22 Aug 2021	23:38	23:53	0.25	8,068.00	8,124.00	56.00	224.00	Rotating	
22 Aug 2021	23:53	23:57	0.07	8,124.00	8,124.00			Survey & Connection	
22 Aug 2021	23:57	00:00	0.05	8,124.00	8,154.00	30.00	600.00	Rotating	
23 Aug 2021	00:00	00:05	0.08	8,154.00	8,154.00			Circulate and/or Condition Mud	Check Shot Inc 89.47 Azm 316.72
23 Aug 2021	00:05	00:20	0.25	8,154.00	8,164.00	10.00	40.00	Sliding	Oscilating By Hand
23 Aug 2021	00:20	00:35	0.25	8,164.00	8,216.00	52.00	208.00	Rotating	
23 Aug 2021	00:35	00:39	0.07	8,216.00	8,216.00			Survey & Connection	Gain On Ensign's Display Inc 88.59
23 Aug 2021	00:39	00:54	0.25	8,216.00	8,308.00	92.00	368.00	Rotating	
23 Aug 2021	00:54	00:58	0.07	8,308.00	8,308.00			Survey & Connection	
23 Aug 2021	00:58	01:10	0.20	8,308.00	8,401.00	93.00	465.00	Rotating	Gain Not Updating During Rotation
23 Aug 2021	01:10	01:14	0.07	8,401.00	8,401.00			Survey & Connection	
23 Aug 2021	01:14	01:20	0.10	8,401.00	8,420.00	19.00	190.00	Rotating	
23 Aug 2021	01:20	01:48	0.47	8,420.00	8,442.00	22.00	47.14	Sliding	Oscilating By Hand
23 Aug 2021	01:48	02:09	0.35	8,442.00	8,493.00	51.00	145.71	Rotating	
23 Aug 2021	02:09	02:13	0.07	8,493.00	8,493.00			Survey & Connection	Recycle - No Survey
23 Aug 2021	02:13	02:30	0.28	8,493.00	8,585.00	92.00	324.71	Rotating	
23 Aug 2021	02:30	02:34	0.07	8,585.00	8,585.00			Survey & Connection	
23 Aug 2021	02:34	02:50	0.27	8,585.00	8,677.00	92.00	345.00	Rotating	
23 Aug 2021	02:50	02:54	0.07	8,677.00	8,677.00			Survey & Connection	
23 Aug 2021	02:54	03:05	0.18	8,677.00	8,687.00	10.00	54.55	Rotating	
23 Aug 2021	03:05	03:40	0.58	8,687.00	8,712.00	25.00	42.86	Sliding	Oscilate By Hand - Pump Lube Sweep
23 Aug 2021	03:40	03:56	0.27	8,712.00	8,755.00	43.00	161.25	Rotating	
23 Aug 2021	03:56	04:00	0.07	8,755.00	8,755.00			Circulate and/or Condition Mud	Check Shot Inc 88.99 Azm 316.01
23 Aug 2021	04:00	04:10	0.17	8,755.00	8,769.00	14.00	84.00	Rotating	
23 Aug 2021	04:10	04:14	0.07	8,769.00	8,769.00			Survey & Connection	Recycle - Bad Parity - 3 x
23 Aug 2021	04:14	04:20	0.10	8,769.00	8,769.00			Circulate and/or Condition Mud	Trouble Shoot EM - Survey Parities
23 Aug 2021	04:20	04:26	0.10	8,769.00	8,780.00	11.00	110.00	Rotating	
23 Aug 2021	04:26	04:50	0.40	8,780.00	8,797.00	17.00	42.50	Sliding	
23 Aug 2021	04:50	05:12	0.37	8,797.00	8,860.00	63.00	171.82	Rotating	
23 Aug 2021	05:12	05:16	0.07	8,860.00	8,860.00			Circulate and/or Condition Mud	SPR's
23 Aug 2021	05:16	05:20	0.07	8,860.00	8,860.00			Survey & Connection	No Gamma / No Gain
23 Aug 2021	05:20	05:34	0.23	8,860.00	8,952.00	92.00	394.29	Rotating	
23 Aug 2021	05:34	05:38	0.07	8,952.00	8,952.00			Survey & Connection	No Gamma / No Gain
23 Aug 2021	05:38	05:52	0.23	8,952.00	9,044.00	92.00	394.29	Rotating	
23 Aug 2021	05:52	05:57	0.08	9,044.00	9,044.00			Survey & Connection	No Gamma / No Gain
23 Aug 2021	05:57	06:03	0.10	9,044.00	9,044.00			Circulate and/or Condition Mud	Recycle - Bad Parity
23 Aug 2021	06:03	06:17	0.23	9,044.00	9,136.00	92.00	394.29	Rotating	
23 Aug 2021	06:17	06:22	0.08	9,136.00	9,136.00			Survey & Connection	No Gamma / No Gain
23 Aug 2021	06:22	06:27	0.08	9,136.00	9,136.00			Circulate and/or Condition Mud	Recycle - Bad Parity
23 Aug 2021	06:27	06:41	0.23	9,136.00	9,227.00	91.00	390.00	Rotating	No Gamma / No Gain



DJR Operating DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 507H

Activity Breakdown									
Date	Start Time	End Time	Hours	Start Depth (ft)	End Depth (ft)	Depth Drilled (ft)	Rate of Penetr'n (ft/hr)	Activity	Comment
23 Aug 2021	06:41	07:34	0.88	9,227.00	9,227.00			Circulate and/or Condition Mud	Wait on Downlink MWD
23 Aug 2021	07:34	07:38	0.08	9,227.00	9,227.00			Survey & Connection	
23 Aug 2021	07:38	08:15	0.60	9,227.00	9,227.00			Circulate and/or Condition Mud	Wait on Toolfaces
23 Aug 2021	08:15	08:52	0.62	9,227.00	9,252.00	25.00	40.54	Sliding	Oscilate By Hand
23 Aug 2021	08:52	09:05	0.22	9,252.00	9,320.00	68.00	313.85	Rotating	
23 Aug 2021	09:05	09:15	0.17	9,320.00	9,320.00			Survey & Connection	
23 Aug 2021	09:15	09:29	0.23	9,320.00	9,412.00	92.00	394.29	Rotating	
23 Aug 2021	09:29	09:36	0.12	9,412.00	9,412.00			Survey & Connection	
23 Aug 2021	09:36	09:55	0.32	9,412.00	9,412.00			Circulate and/or Condition Mud	Wait on SVY
23 Aug 2021	09:55	10:30	0.58	9,412.00	9,440.00	28.00	48.00	Sliding	
23 Aug 2021	10:30	10:41	0.18	9,440.00	9,504.00	64.00	349.09	Rotating	
23 Aug 2021	10:41	10:48	0.12	9,504.00	9,504.00			Survey & Connection	
23 Aug 2021	10:48	10:53	0.08	9,504.00	9,504.00			Circulate and/or Condition Mud	Wait on SVY
23 Aug 2021	10:53	11:09	0.27	9,504.00	9,596.00	92.00	345.00	Rotating	
23 Aug 2021	11:09	11:15	0.10	9,596.00	9,596.00			Survey & Connection	
23 Aug 2021	11:15	11:38	0.38	9,596.00	9,596.00			Circulate and/or Condition Mud	Wait on SVY / TF
23 Aug 2021	11:38	12:07	0.48	9,596.00	9,616.00	20.00	41.38	Sliding	
23 Aug 2021	12:07	12:25	0.30	9,616.00	9,687.00	71.00	236.67	Rotating	
23 Aug 2021	12:25	12:31	0.10	9,687.00	9,687.00			Survey & Connection	
23 Aug 2021	12:31	12:41	0.17	9,687.00	9,687.00			Circulate and/or Condition Mud	Wait on SVY
23 Aug 2021	12:41	13:14	0.55	9,687.00	9,779.00	92.00	167.27	Rotating	
23 Aug 2021	13:14	13:20	0.10	9,779.00	9,779.00			Survey & Connection	
23 Aug 2021	13:20	14:05	0.75	9,779.00	9,779.00			Circulate and/or Condition Mud	Wait on SVY / Troubleshoot EM
23 Aug 2021	14:05	14:19	0.23	9,779.00	9,873.00	94.00	402.86	Rotating	
23 Aug 2021	14:19	14:52	0.55	9,873.00	9,873.00			Circulate and/or Condition Mud	Wait on SVY
23 Aug 2021	14:52	15:06	0.23	9,873.00	9,873.00			Short Trip Out	Stand Back 3 to Troubleshoot EM
23 Aug 2021	15:06	15:34	0.47	9,873.00	9,873.00			Circulate and/or Condition Mud	Downlink
23 Aug 2021	15:34	15:51	0.28	9,873.00	9,873.00			Short Trip In	
23 Aug 2021	15:51	15:54	0.05	9,873.00	9,873.00			Survey & Connection	
23 Aug 2021	15:54	16:08	0.23	9,873.00	9,965.00	92.00	394.29	Rotating	
23 Aug 2021	16:08	16:21	0.22	9,965.00	9,965.00			Survey & Connection	
23 Aug 2021	16:21	16:29	0.13	9,965.00	9,965.00			Circulate and/or Condition Mud	Wait on SVY
23 Aug 2021	16:29	17:04	0.58	9,965.00	9,990.00	25.00	42.86	Sliding	
23 Aug 2021	17:04	17:20	0.27	9,990.00	10,057.00	67.00	251.25	Rotating	
23 Aug 2021	17:20	17:54	0.57	10,057.00	10,057.00			Circulate and/or Condition Mud	Wait On Survey - Rig Service
23 Aug 2021	17:54	17:58	0.07	10,057.00	10,057.00			Survey & Connection	
23 Aug 2021	17:58	18:15	0.28	10,057.00	10,149.00	92.00	324.71	Rotating	
23 Aug 2021	18:15	18:19	0.07	10,149.00	10,149.00			Survey & Connection	Bottom Line Check - GOOD
23 Aug 2021	18:19	18:48	0.48	10,149.00	10,241.00	92.00	190.35	Rotating	
23 Aug 2021	18:48	18:52	0.07	10,241.00	10,241.00			Survey & Connection	
23 Aug 2021	18:52	19:10	0.30	10,241.00	10,256.00	15.00	50.00	Rotating	
23 Aug 2021	19:10	19:25	0.25	10,256.00	10,256.00			Circulate and/or Condition Mud	Orient Tool Face
23 Aug 2021	19:25	20:38	1.22	10,256.00	10,282.00	26.00	21.37	Sliding	
23 Aug 2021	20:38	20:55	0.28	10,282.00	10,334.00	52.00	183.53	Rotating	
23 Aug 2021	20:55	20:59	0.07	10,334.00	10,334.00			Survey & Connection	
23 Aug 2021	20:59	21:20	0.35	10,334.00	10,426.00	92.00	262.86	Rotating	
23 Aug 2021	21:20	21:24	0.07	10,426.00	10,426.00			Connection (drilling)	
23 Aug 2021	21:24	21:35	0.18	10,426.00	10,426.00			Circulate and/or Condition Mud	Wait On Survey Packet
23 Aug 2021	21:35	21:39	0.07	10,426.00	10,426.00			Deviation Survey	
23 Aug 2021	21:39	22:02	0.38	10,426.00	10,519.00	93.00	242.61	Rotating	
23 Aug 2021	22:02	22:06	0.07	10,519.00	10,519.00			Connection (drilling)	
23 Aug 2021	22:06	22:16	0.17	10,519.00	10,519.00			Circulate and/or Condition Mud	Wait On Survey Packet
23 Aug 2021	22:16	22:20	0.07	10,519.00	10,519.00			Deviation Survey	
23 Aug 2021	22:20	22:35	0.25	10,519.00	10,534.00	15.00	60.00	Rotating	
23 Aug 2021	22:35	22:55	0.33	10,534.00	10,534.00			Circulate and/or Condition Mud	
23 Aug 2021	22:55	23:45	0.83	10,534.00	10,546.00	12.00	14.40	Sliding	
23 Aug 2021	23:45	00:00	0.25	10,546.00	10,566.00	20.00	80.00	Rotating	
24 Aug 2021	00:00	00:20	0.33	10,566.00	10,566.00			Circulate and/or Condition Mud	Wait On TF Packet
24 Aug 2021	00:20	00:55	0.58	10,566.00	10,586.00	20.00	34.29	Sliding	
24 Aug 2021	00:55	01:10	0.25	10,586.00	10,610.00	24.00	96.00	Rotating	
24 Aug 2021	01:10	01:14	0.07	10,610.00	10,610.00			Survey & Connection	



DJR Operating DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 507H

Activity Breakdown									
Date	Start Time	End Time	Hours	Start Depth (ft)	End Depth (ft)	Depth Drilled (ft)	Rate of Penetr'n (ft/hr)	Activity	Comment
24 Aug 2021	01:14	01:33	0.32	10,610.00	10,702.00	92.00	290.53	Rotating	
24 Aug 2021	01:33	01:52	0.32	10,702.00	10,702.00			Circulate and/or Condition Mud	Wait On Survey
24 Aug 2021	01:52	01:56	0.07	10,702.00	10,702.00			Survey & Connection	
24 Aug 2021	01:56	02:16	0.33	10,702.00	10,795.00	93.00	279.00	Rotating	
24 Aug 2021	02:16	02:19	0.05	10,795.00	10,795.00			Connection (drilling)	
24 Aug 2021	02:19	02:23	0.07	10,795.00	10,795.00			Circulate and/or Condition Mud	Wait On Survey Packet
24 Aug 2021	02:23	02:27	0.07	10,795.00	10,795.00			Deviation Survey	
24 Aug 2021	02:27	02:37	0.17	10,795.00	10,795.00			Circulate and/or Condition Mud	Wait On TF Packet
24 Aug 2021	02:37	03:39	1.03	10,795.00	10,825.00	30.00	29.03	Sliding	Target TVD Change To 4907' TVD
24 Aug 2021	03:39	03:48	0.15	10,825.00	10,886.00	61.00	406.67	Rotating	
24 Aug 2021	03:48	03:58	0.17	10,886.00	10,886.00			Survey & Connection	
24 Aug 2021	03:58	04:17	0.32	10,886.00	10,978.00	92.00	290.53	Rotating	
24 Aug 2021	04:17	04:20	0.05	10,978.00	10,978.00			Survey & Connection	
24 Aug 2021	04:20	04:35	0.25	10,978.00	10,978.00			Circulate and/or Condition Mud	Wait On TF Packet
24 Aug 2021	04:35	06:08	1.55	10,978.00	11,026.00	48.00	30.97	Sliding	
24 Aug 2021	06:08	06:18	0.17	11,026.00	11,071.00	45.00	270.00	Rotating	
24 Aug 2021	06:18	06:25	0.12	11,071.00	11,071.00			Survey & Connection	
24 Aug 2021	06:25	06:33	0.13	11,071.00	11,071.00			Circulate and/or Condition Mud	Wait on SVY
24 Aug 2021	06:33	06:40	0.12	11,071.00	11,111.00	40.00	342.86	Rotating	
24 Aug 2021	06:40	07:02	0.37	11,111.00	11,111.00			Circulate and/or Condition Mud	Check Shot
24 Aug 2021	07:02	07:51	0.82	11,111.00	11,130.00	19.00	23.27	Sliding	
24 Aug 2021	07:51	08:15	0.40	11,130.00	11,130.00			Circulate and/or Condition Mud	Wait on TF
24 Aug 2021	08:15	08:25	0.17	11,130.00	11,135.00	5.00	30.00	Sliding	
24 Aug 2021	08:25	08:32	0.12	11,135.00	11,135.00			Circulate and/or Condition Mud	Wait on TF
24 Aug 2021	08:32	09:12	0.67	11,135.00	11,148.00	13.00	19.50	Sliding	
24 Aug 2021	09:12	09:16	0.07	11,148.00	11,163.00	15.00	225.00	Rotating	
24 Aug 2021	09:16	09:23	0.12	11,163.00	11,163.00			Survey & Connection	
24 Aug 2021	09:23	09:40	0.28	11,163.00	11,163.00			Circulate and/or Condition Mud	Wait on SVY and TF
24 Aug 2021	09:40	09:58	0.30	11,163.00	11,172.00	9.00	30.00	Sliding	
24 Aug 2021	09:58	10:13	0.25	11,172.00	11,172.00			Circulate and/or Condition Mud	Wait on TF
24 Aug 2021	10:13	10:26	0.22	11,172.00	11,181.00	9.00	41.54	Sliding	
24 Aug 2021	10:26	10:34	0.13	11,181.00	11,224.00	43.00	322.50	Rotating	
24 Aug 2021	10:34	10:47	0.22	11,224.00	11,224.00			Circulate and/or Condition Mud	Check Shot / Wait on TF
24 Aug 2021	10:47	11:11	0.40	11,224.00	11,236.00	12.00	30.00	Sliding	
24 Aug 2021	11:11	11:17	0.10	11,236.00	11,255.00	19.00	190.00	Rotating	
24 Aug 2021	11:17	11:23	0.10	11,255.00	11,255.00			Survey & Connection	
24 Aug 2021	11:23	11:28	0.08	11,255.00	11,255.00			Circulate and/or Condition Mud	Wait on SVY
24 Aug 2021	11:28	11:34	0.10	11,255.00	11,293.00	38.00	380.00	Rotating	
24 Aug 2021	11:34	11:42	0.13	11,293.00	11,293.00			Circulate and/or Condition Mud	Check Shot
24 Aug 2021	11:42	11:50	0.13	11,293.00	11,347.00	54.00	405.00	Rotating	
24 Aug 2021	11:50	11:54	0.07	11,347.00	11,347.00			Survey & Connection	
24 Aug 2021	11:54	12:15	0.35	11,347.00	11,347.00			Circulate and/or Condition Mud	
24 Aug 2021	12:15	12:33	0.30	11,347.00	11,439.00	92.00	306.67	Rotating	
24 Aug 2021	12:33	12:40	0.12	11,439.00	11,439.00			Survey & Connection	
24 Aug 2021	12:40	12:52	0.20	11,439.00	11,439.00			Circulate and/or Condition Mud	Wait on SVY
24 Aug 2021	12:52	13:11	0.32	11,439.00	11,531.00	92.00	290.53	Rotating	
24 Aug 2021	13:11	13:34	0.38	11,531.00	11,531.00			Survey & Connection	Wait on SVY
24 Aug 2021	13:34	13:53	0.32	11,531.00	11,623.00	92.00	290.53	Rotating	
24 Aug 2021	13:53	14:23	0.50	11,623.00	11,623.00			Lubricate Rig	
24 Aug 2021	14:23	14:27	0.07	11,623.00	11,623.00			Survey & Connection	
24 Aug 2021	14:27	14:46	0.32	11,623.00	11,713.00	90.00	284.21	Rotating	
24 Aug 2021	14:46	15:00	0.23	11,713.00	11,713.00			Survey & Connection	
24 Aug 2021	15:00	15:00	0.00	11,713.00	11,770.00	57.00	Infinity	Drilling	Bit Projection
24 Aug 2021	15:00	16:20	1.33	11,770.00	11,770.00			Circulate and/or Condition Mud	
24 Aug 2021	16:20	19:20	3.00	11,770.00	11,770.00			Short Trip Out	POOH T/ 8500'
24 Aug 2021	19:20	20:33	1.22	11,770.00	11,770.00			Circulate and/or Condition Mud	
24 Aug 2021	20:33	22:18	1.75	11,770.00	11,770.00			Short Trip Out	POOH T/ 5412'
24 Aug 2021	22:18	22:45	0.45	11,770.00	11,770.00			Circulate and/or Condition Mud	
24 Aug 2021	22:45	00:00	1.25	11,770.00	11,770.00			Short Trip In	
25 Aug 2021	00:00	01:50	1.83	11,770.00	11,770.00			Short Trip In	TIH T/ 10880'
25 Aug 2021	01:50	04:19	2.48	11,770.00	11,770.00			Circulate and/or Condition Mud	Wash F/ 10880' T/ 11713' - Circulate



DJR Operating

DJR, Bettonie Tsosie Unit

End of Well Report for G34 2308 Pad, # 507H

Activity Breakdown

Date	Start Time	End Time	Hours	Start Depth (ft)	End Depth (ft)	Depth Drilled (ft)	Rate of Penetr'n (ft/hr)	Activity	Comment
25 Aug 2021	04:19	11:12	6.88	11,770.00	11,770.00			Tripping Out	
25 Aug 2021	11:12	11:22	0.17	11,770.00	11,770.00			Other	Held Safety Meeting W/ Co Man And Rig Crew
25 Aug 2021	11:22	12:20	0.97	11,770.00	11,770.00			Change BHA	
25 Aug 2021	12:20	00:00	11.67	11,770.00	11,770.00			Standby	Casing / Cement Operations
26 Aug 2021	00:00	23:50	23.83	11,770.00	11,770.00			Standby	Stand By
26 Aug 2021	23:50	00:00	0.17	11,770.00	11,770.00			Standby	Stand By

Slide Sheet

Depth Drilled (ft)	Bit Depth (ft)	Survey Depth (ft)	Incl. (°)	(True) Azimuth (°)	Vertical Depth (ft)	Dogleg Rate (°/100ft)	Calc'd Toolface (°)	Start Slide (ft)	End Slide (ft)	Slide Length (ft)	Toolface Orient (°)	Slide Seen (ft)	Motor Output (°/100ft)	Motor Output (°/ft)	Rotate Length (ft)
BHA #1 Vertical															
0.00	385.00	0.00	0.00	0.00	0.00	0.00	0.00								
0.00	476.00	413.00	1.38	194.82	412.96	0.33	-165.28								91.00
0.00	506.00	443.00	1.60	202.96	442.95	1.02	48.01	0.00	0.00	15.00	70 M				15.00
0.00	598.00	535.00	1.73	149.56	534.92	1.63	-112.25					15.00	10.00	0.10	92.00
0.00	691.00	628.00	3.30	99.13	627.83	2.76	-81.65	0.00	0.00	20.00	60 M	20.00	12.85	0.13	73.00
0.00	783.00	720.00	4.78	90.89	719.60	1.72	-25.56	0.00	0.00	15.00	80 M	15.00	10.57	0.11	77.00
0.00	875.00	812.00	6.64	85.26	811.14	2.11	-19.57	0.00	0.00	20.00	-20	20.00	9.70	0.10	72.00
0.00	967.00	904.00	8.37	81.75	902.35	1.94	-16.59	0.00	0.00	20.00	0	20.00	8.94	0.09	72.00
0.00	1,060.00	997.00	9.63	82.61	994.21	1.36	6.52	0.00	0.00	20.00	10	20.00	6.34	0.06	73.00
0.00	1,150.00	1,087.00	11.24	86.38	1,082.72	1.94	24.84	0.00	0.00	30.00	10	27.00	6.47	0.06	60.00
0.00	1,241.00	1,178.00	13.61	86.43	1,171.58	2.60	0.28	0.00	0.00	35.00	10	31.00	7.65	0.08	56.00
0.00	1,331.00	1,268.00	14.93	85.77	1,258.80	1.48	-7.35	0.00	0.00	17.00	10	24.00	5.54	0.06	73.00
0.00	1,423.00	1,360.00	16.87	86.11	1,347.27	2.11	2.91	0.00	0.00	15.00	30	15.00	12.95	0.13	77.00
0.00	1,516.00	1,453.00	14.28	93.44	1,436.86	3.49	146.26	0.00	0.00	15.00	80	15.00	21.65	0.22	78.00
0.00	1,607.00	1,544.00	14.11	92.39	1,525.08	0.34	-123.94	0.00	0.00	30.00	0	28.00	1.10	0.01	61.00
0.00	1,698.00	1,635.00	14.36	89.96	1,613.29	0.71	-68.48	0.00	0.00	45.00	0	30.00	2.16	0.02	46.00
0.00	1,787.00	1,724.00	17.85	92.74	1,698.78	4.01	13.80	0.00	0.00	30.00	30	43.00	8.31	0.08	59.00
0.00	1,880.00	1,817.00	19.32	93.02	1,786.93	1.58	3.61	0.00	0.00	20.00	10	24.00	6.14	0.06	73.00
0.00	1,974.00	1,911.00	17.50	90.22	1,876.12	2.15	-155.41								94.00
0.00	2,069.00	2,006.00	17.29	89.90	1,966.77	0.24	-155.66	0.00	0.00	25.00	40	21.00	1.10	0.01	70.00
0.00	2,164.00	2,101.00	19.75	95.82	2,056.86	3.26	40.23	0.00	0.00	15.00	70	19.00	16.28	0.16	80.00
0.00	2,259.00	2,196.00	20.66	95.21	2,146.01	0.98	-13.32								95.00
0.00	2,353.00	2,290.00	19.99	94.09	2,234.16	0.82	-150.38	0.00	0.00	10.00	180	10.00	7.75	0.08	84.00
0.00	2,448.00	2,385.00	18.93	98.50	2,323.73	1.91	127.88	0.00	0.00	25.00	180	25.00	7.24	0.07	70.00
0.00	2,543.00	2,480.00	16.88	97.27	2,414.13	2.19	-170.13	0.00	0.00	35.00	-165	32.00	6.51	0.07	60.00
0.00	2,638.00	2,575.00	14.60	94.61	2,505.56	2.52	-163.71	0.00	0.00	30.00	-175	30.00	7.97	0.08	65.00
0.00	2,733.00	2,670.00	13.26	91.80	2,597.77	1.58	-154.57	0.00	0.00	12.00	-175	15.00	10.00	0.10	83.00
0.00	2,828.00	2,765.00	11.08	89.97	2,690.62	2.33	-170.86								95.00
0.00	2,923.00	2,860.00	9.74	90.16	2,784.06	1.41	178.63	0.00	0.00	35.00	5				60.00
0.00	3,018.00	2,955.00	11.03	91.65	2,877.50	1.39	12.50					35.00	3.76	0.04	95.00
0.00	3,113.00	3,050.00	11.28	91.93	2,970.71	0.27	12.36	0.00	0.00	22.00	0	22.00	1.16	0.01	73.00
0.00	3,208.00	3,145.00	12.72	89.01	3,063.63	1.64	-24.29	0.00	0.00	35.00	-5	32.00	4.88	0.05	60.00
0.00	3,303.00	3,240.00	12.01	85.84	3,156.43	1.03	-137.83					3.00	32.73	0.33	95.00
0.00	3,398.00	3,335.00	13.01	90.50	3,249.17	1.49	47.56	0.00	0.00	32.00	20	22.00	6.46	0.06	63.00
0.00	3,493.00	3,430.00	11.34	88.42	3,342.03	1.82	-166.30	0.00	0.00	40.00	0	10.00	17.26	0.17	55.00
0.00	3,588.00	3,525.00	12.45	87.93	3,434.99	1.17	-5.44	0.00	0.00	33.00	10	40.00	2.79	0.03	62.00
0.00	3,683.00	3,620.00	12.15	91.28	3,527.81	0.81	114.43	0.00	0.00	42.00	10	45.00	1.72	0.02	53.00
0.00	3,778.00	3,715.00	13.22	88.80	3,620.49	1.26	-28.19	0.00	0.00	33.00	10	42.00	2.86	0.03	62.00
0.00	3,873.00	3,810.00	14.69	88.72	3,712.68	1.55	-0.79	0.00	0.00	4.00	30	21.00	7.00	0.07	91.00
0.00	3,968.00	3,905.00	13.55	88.70	3,804.81	1.20	-179.76	0.00	0.00	17.00	30	4.00	28.50	0.29	78.00
0.00	4,063.00	4,000.00	13.56	92.01	3,897.17	0.82	90.87	0.00	0.00	33.00	20	24.00	3.23	0.03	62.00
0.00	4,139.00	4,076.00	12.31	95.24	3,971.24	1.90	151.52	0.00	0.00	30.00	0	26.00	5.55	0.06	46.00
BHA #2 Curve															
0.00	4,139.00	4,076.00	12.31	95.24	3,971.24	1.90	0.00								
0.00	4,235.00	4,178.00	10.95	90.15	4,071.15	1.67	-145.44	0.00	0.00	46.00	-110				50.00
0.00	4,330.00	4,273.00	12.44	25.74	4,164.53	13.12	-115.85	0.00	0.00	50.00	-90	64.00	19.48	0.19	45.00
0.00	4,425.00	4,368.00	18.41	345.93	4,256.31	12.44	-80.87	0.00	0.00	40.00	-50	70.00	16.88	0.17	55.00
0.00	4,520.00	4,463.00	24.04	335.54	4,344.87	7.11	-38.68	0.00	0.00	40.00	-30	40.00	16.88	0.17	55.00
0.00	4,615.00	4,558.00	28.31	327.54	4,430.13	5.82	-43.22	0.00	0.00	36.00	-20	38.00	14.56	0.15	59.00



DJR Operating
DJR, Bettonie Tsosie Unit

End of Well Report for G34 2308 Pad, # 507H

Slide Sheet															
Depth Drilled (ft)	Bit Depth (ft)	Survey Depth (ft)	Incl. (°)	(True) Azimuth (°)	Vertical Depth (ft)	Dogleg Rate (°/100ft)	Calc'd Toolface (°)	Start Slide (ft)	End Slide (ft)	Slide Length (ft)	Toolface Orient (°)	Slide Seen (ft)	Motor Output (°/100ft)	Motor Output (°/ft)	Rotate Length (ft)
0.00	4,710.00	4,653.00	30.54	327.94	4,512.87	2.36	5.21	0.00	0.00	39.00	0	38.00	5.89	0.06	56.00
0.00	4,805.00	4,748.00	34.08	327.54	4,593.15	3.73	-3.63	0.00	0.00	95.00	0	39.00	9.09	0.09	
0.00	4,899.00	4,842.00	43.39	324.00	4,666.40	10.18	-14.79	0.00	0.00	70.00	-15	94.00	10.18	0.10	24.00
0.00	4,995.00	4,938.00	49.80	321.59	4,732.34	6.92	-16.12	0.00	0.00	63.00	-10	72.00	9.23	0.09	33.00
0.00	5,090.00	5,033.00	57.97	319.49	4,788.29	8.78	-12.36	0.00	0.00	80.00	0	62.00	13.46	0.13	15.00
0.00	5,184.00	5,127.00	69.03	319.52	4,830.17	11.77	0.15	0.00	0.00	64.00	5	79.00	14.00	0.14	30.00
0.00	5,279.00	5,222.00	76.87	320.47	4,858.00	8.31	6.75	0.00	0.00	71.00	5	65.00	12.14	0.12	24.00
0.00	5,311.00	5,254.00	80.06	319.42	4,864.40	10.47	-17.98	0.00	0.00	22.00	0	32.00	10.47	0.10	10.00
0.00	5,338.00	5,281.00	82.02	319.55	4,868.60	7.27	3.76	-2.00	-2.00	12.00	0	3.00	65.47	0.65	15.00
BHA #3 Lateral															
0.00	5,338.00	5,281.00	82.02	319.55	4,868.60	0.00	0.00								
0.00	5,415.00	5,358.00	87.41	318.47	4,875.69	7.14	-11.34								77.00
0.00	5,509.00	5,452.00	88.10	318.12	4,879.38	0.82	-26.89								94.00
0.00	5,604.00	5,547.00	88.95	317.77	4,881.82	0.97	-22.38								95.00
0.00	5,698.00	5,641.00	89.96	317.86	4,882.71	1.08	5.09								94.00
0.00	5,792.00	5,735.00	89.56	317.59	4,883.11	0.51	-145.98	0.00	0.00	8.00	160	8.00	6.03	0.06	86.00
0.00	5,886.00	5,829.00	90.35	316.80	4,883.18	1.19	-45.00								94.00
0.00	5,980.00	5,923.00	89.21	315.48	4,883.54	1.86	-130.82	0.00	0.00	13.00	180	13.00	13.42	0.13	81.00
0.00	6,074.00	6,017.00	89.87	315.48	4,884.30	0.70	0.00								94.00
0.00	6,169.00	6,112.00	90.44	314.25	4,884.04	1.43	-65.14								95.00
0.00	6,263.00	6,206.00	89.08	313.81	4,884.43	1.52	-162.07	0.00	0.00	15.00	180	15.00	9.53	0.10	79.00
0.00	6,357.00	6,300.00	89.74	313.38	4,885.40	0.84	-33.09								94.00
0.00	6,451.00	6,394.00	90.48	312.85	4,885.22	0.97	-35.61								94.00
0.00	6,544.00	6,487.00	89.56	314.52	4,885.19	2.05	118.85	0.00	0.00	20.00	145	20.00	9.53	0.10	73.00
0.00	6,639.00	6,582.00	90.44	314.43	4,885.19	0.93	-5.84								95.00
0.00	6,734.00	6,677.00	88.20	315.31	4,886.32	2.53	158.56	0.00	0.00	25.00	140	25.00	9.63	0.10	70.00
0.00	6,828.00	6,771.00	88.73	315.40	4,888.83	0.57	9.64								94.00
0.00	6,922.00	6,865.00	89.69	314.87	4,890.13	1.17	-28.90								94.00
0.00	7,015.00	6,958.00	89.87	317.24	4,890.49	2.56	85.66	0.00	0.00	23.00	130	16.00	14.86	0.15	70.00
0.00	7,108.00	7,051.00	89.12	318.03	4,891.31	1.17	133.52					7.00	15.56	0.16	93.00
0.00	7,200.00	7,143.00	89.52	316.80	4,892.40	1.41	-71.99								92.00
0.00	7,292.00	7,235.00	90.00	316.45	4,892.79	0.65	-36.10								92.00
0.00	7,384.00	7,327.00	90.13	315.84	4,892.68	0.68	-77.97								92.00
0.00	7,477.00	7,420.00	90.57	314.52	4,892.11	1.50	-71.56								93.00
0.00	7,568.00	7,511.00	89.69	314.96	4,891.91	1.08	153.43	0.00	0.00	18.00	140	18.00	5.47	0.05	73.00
0.00	7,661.00	7,604.00	90.09	314.78	4,892.08	0.47	-24.23								93.00
0.00	7,754.00	7,697.00	89.91	316.63	4,892.08	2.00	95.56	0.00	0.00	20.00	130	15.00	12.39	0.12	73.00
0.00	7,847.00	7,790.00	91.01	317.59	4,891.34	1.57	41.11					5.00	29.20	0.29	93.00
0.00	7,939.00	7,882.00	89.65	317.07	4,890.81	1.58	-159.07	0.00	0.00	15.00	170	15.00	9.71	0.10	77.00
0.00	8,032.00	7,975.00	90.79	316.80	4,890.45	1.26	-13.32								93.00
0.00	8,124.00	8,067.00	89.60	316.72	4,890.14	1.30	-176.15	0.00	0.00	18.00	170	17.00	7.02	0.07	74.00
0.00	8,216.00	8,159.00	89.30	316.80	4,891.02	0.34	165.07	0.00	0.00	10.00	180	6.00	5.17	0.05	82.00
0.00	8,308.00	8,251.00	89.47	316.54	4,892.01	0.34	-56.82					5.00	6.21	0.06	92.00
0.00	8,401.00	8,344.00	90.18	316.01	4,892.29	0.95	-36.74								93.00
0.00	8,493.00	8,436.00	88.90	316.01	4,893.03	1.39	180.00	0.00	0.00	22.00	160	16.00	8.00	0.08	70.00
0.00	8,585.00	8,528.00	89.52	316.36	4,894.30	0.77	29.45					6.00	11.87	0.12	92.00
0.00	8,677.00	8,620.00	90.88	315.84	4,893.98	1.58	-20.92								92.00
0.00	8,769.00	8,712.00	89.21	316.45	4,893.91	1.93	159.93	0.00	0.00	25.00	160	25.00	7.11	0.07	67.00
0.00	8,860.00	8,803.00	88.07	316.89	4,896.07	1.34	158.91	0.00	0.00	17.00	160	17.00	7.19	0.07	74.00
0.00	8,952.00	8,895.00	88.11	316.63	4,899.13	0.29	-81.25								92.00
0.00	9,044.00	8,987.00	90.31	318.30	4,900.40	3.00	37.21								92.00
0.00	9,136.00	9,079.00	90.62	316.45	4,899.65	2.04	-80.48								92.00
0.00	9,227.00	9,170.00	91.54	316.01	4,897.94	1.12	-25.55								91.00
0.00	9,320.00	9,263.00	90.09	316.36	4,896.62	1.60	166.43	0.00	0.00	25.00	180	25.00	5.97	0.06	68.00
0.00	9,412.00	9,355.00	90.88	315.92	4,895.84	0.98	-29.11								92.00
0.00	9,504.00	9,447.00	89.08	316.28	4,895.87	2.00	168.69	0.00	0.00	28.00	180	28.00	6.56	0.07	64.00
0.00	9,596.00	9,539.00	89.82	316.10	4,896.75	0.83	-13.67								92.00
0.00	9,687.00	9,630.00	88.24	316.63	4,898.29	1.83	161.46	0.00	0.00	20.00	180	20.00	8.33	0.08	71.00
0.00	9,779.00	9,722.00	89.47	316.63	4,900.13	1.34	0.00								92.00
0.00	9,873.00	9,816.00	89.91	315.13	4,900.64	1.66	-73.66								94.00
0.00	9,965.00	9,908.00	90.79	314.08	4,900.08	1.49	-50.03								92.00



DJR Operating
DJR, Bettonie Tsosie Unit

End of Well Report for G34 2308 Pad, # 507H

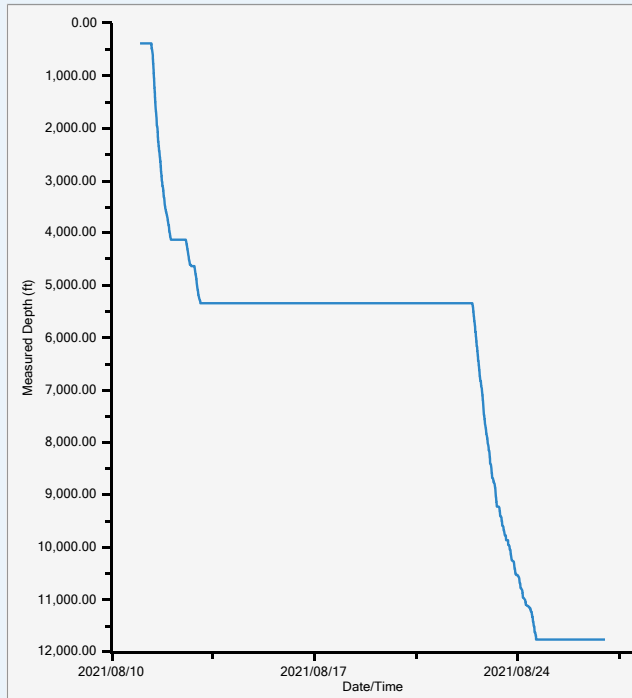
Slide Sheet															
Depth Drilled (ft)	Bit Depth (ft)	Survey Depth (ft)	Incl. (°)	(True) Azimuth (°)	Vertical Depth (ft)	Dogleg Rate (°/100ft)	Calc'd Toolface (°)	Start Slide (ft)	End Slide (ft)	Slide Length (ft)	Toolface Orient (°)	Slide Seen (ft)	Motor Output (°/100ft)	Motor Output (°/ft)	Rotate Length (ft)
0.00	10,057.00	10,000.00	87.63	312.76	4,901.35	3.72	-157.34	0.00	0.00	25.00	180	25.00	13.70	0.14	67.00
0.00	10,149.00	10,092.00	88.15	311.71	4,904.73	1.27	-63.66								92.00
0.00	10,241.00	10,184.00	89.74	312.23	4,906.43	1.82	18.11								92.00
0.00	10,334.00	10,277.00	89.42	313.46	4,907.11	1.37	104.59	0.00	0.00	26.00	140	21.00	6.05	0.06	67.00
0.00	10,426.00	10,369.00	89.08	312.50	4,908.31	1.11	-109.51					5.00	20.37	0.20	92.00
0.00	10,519.00	10,462.00	88.68	311.18	4,910.13	1.48	-106.87								93.00
0.00	10,610.00	10,553.00	90.00	311.79	4,911.18	1.60	24.81	0.00	0.00	32.00	110	12.00	12.12	0.12	59.00
0.00	10,702.00	10,645.00	90.53	313.38	4,910.75	1.82	71.56					20.00	8.38	0.08	92.00
0.00	10,795.00	10,738.00	90.66	312.14	4,909.79	1.34	-84.01								93.00
0.00	10,886.00	10,829.00	87.93	312.94	4,910.91	3.13	163.67	0.00	0.00	30.00	120	30.00	9.48	0.09	61.00
0.00	10,978.00	10,921.00	88.29	311.71	4,913.94	1.39	-73.70								92.00
0.00	11,071.00	11,014.00	89.12	314.17	4,916.04	2.79	71.38	3.00	3.00	48.00	90	36.00	7.21	0.07	45.00
0.00	11,163.00	11,106.00	90.26	313.81	4,916.54	1.30	-17.53	0.00	0.00	37.00	90	12.00	9.96	0.10	55.00
0.00	11,255.00	11,198.00	89.17	317.24	4,917.00	3.91	107.63	0.00	0.00	30.00	45	55.00	6.54	0.07	62.00
0.00	11,347.00	11,290.00	90.70	317.86	4,917.10	1.79	22.06					12.00	13.76	0.14	92.00
0.00	11,439.00	11,382.00	91.10	316.36	4,915.66	1.69	-75.06								92.00
0.00	11,531.00	11,474.00	91.76	315.92	4,913.36	0.86	-33.68								92.00
0.00	11,623.00	11,566.00	93.21	315.92	4,909.37	1.58	0.00								92.00
0.00	11,713.00	11,656.00	94.44	315.57	4,903.37	1.42	-15.84								90.00
57.00	11,770.00	11,713.00	94.44	315.57	4,898.96	0.00	0.00								



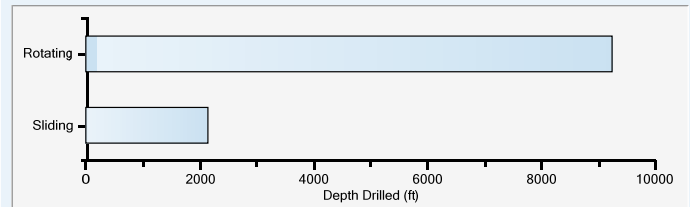
DJR Operating DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 507H

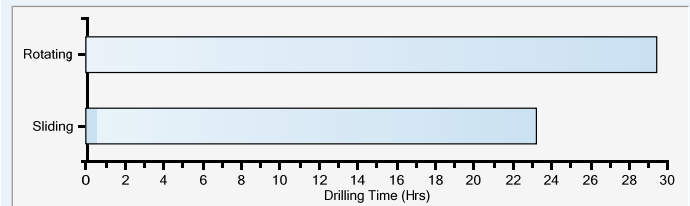
Time vs Depth



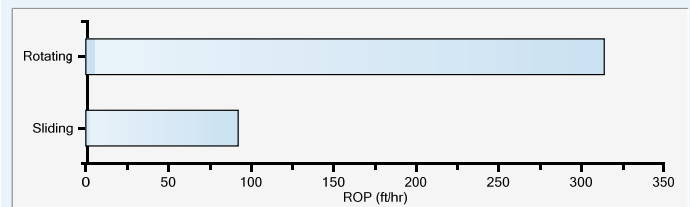
Depth Drilled



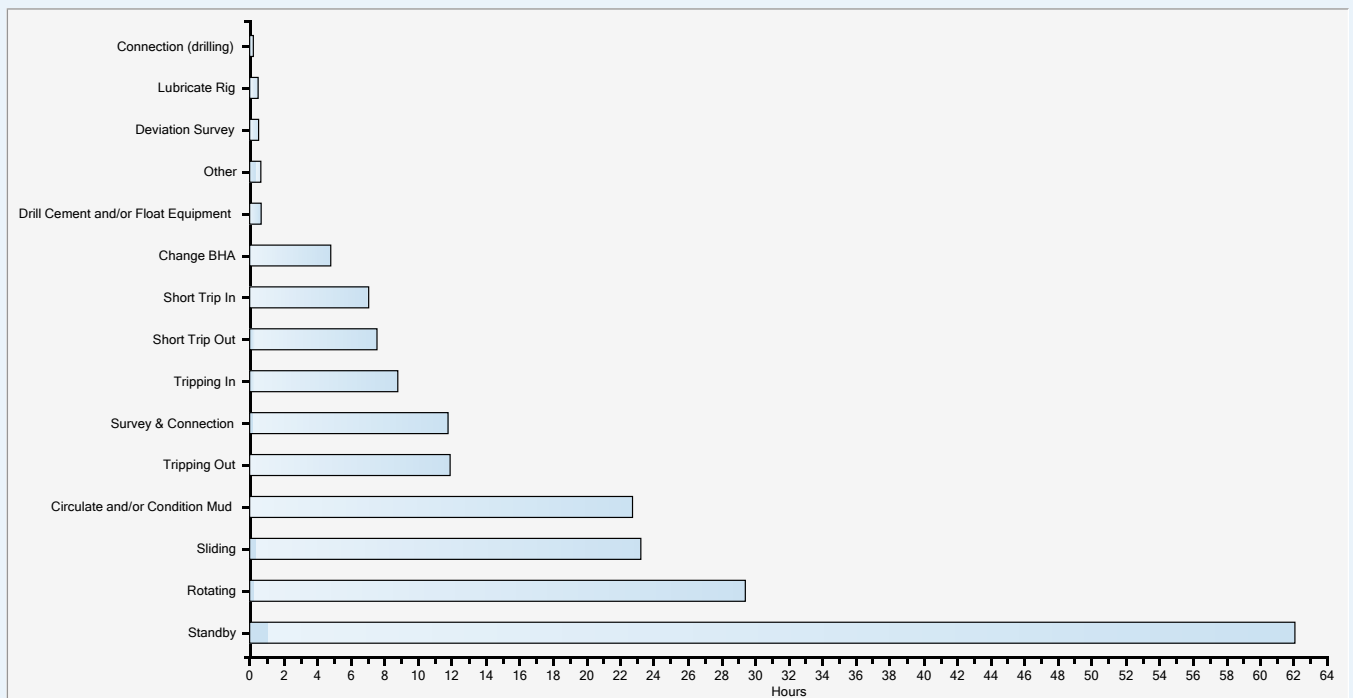
Drilling Time



Average Rate of Penetration



Activity





DJR Operating
DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 507H

Disclaimer Notice

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Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 91100

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 91100
	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 91100

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 91100
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 7/22/2022.	5/2/2022