

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address DJR Operating, LLC 1 Road 3263 Aztec, NM 87410		² OGRID Number 371838	
		³ Reason for Filing Code/ Effective Date RT	
⁴ API Number 30-045-38232	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 508H

II. ¹⁰ Surface Location

Ul or lot no. G	Section 34	Township 23N	Range 08W	Lot Idn	Feet from the 1492'	North/South Line North	Feet from the 2387'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. M	Section 35	Township 23N	Range 08W	Lot Idn	Feet from the 344'	North/South line South	Feet from the 481'	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 07/12/21	²² Ready Date 04/22/21 4/22/2022	²³ TD 9,274' MD 4,792' TVD	²⁴ PBTD 9,258' MD 4,792' TVD	²⁵ Perforations 5,403'-9,202' MD 4,853'- 4,799' TVD Frac Sleeve @ 9,236'	²⁶ DHC, MC	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
12.25		9.625" 36# J55		357'		109
8.75		7" 26# J55		5,262'		605
6.125		4.5" 11.6# P110		TOL: 4,930' BOL: 9,272'		367

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) 393-0720

DISTRICT II

811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III

1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate
District Office

☐ AMENDED REPORT
☒ ASDRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38232	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 508H
⁷ GRID 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		1492'	NORTH	2387'	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
M	35	23N	8W		344'	SOUTH	481'	WEST	SAN JUAN

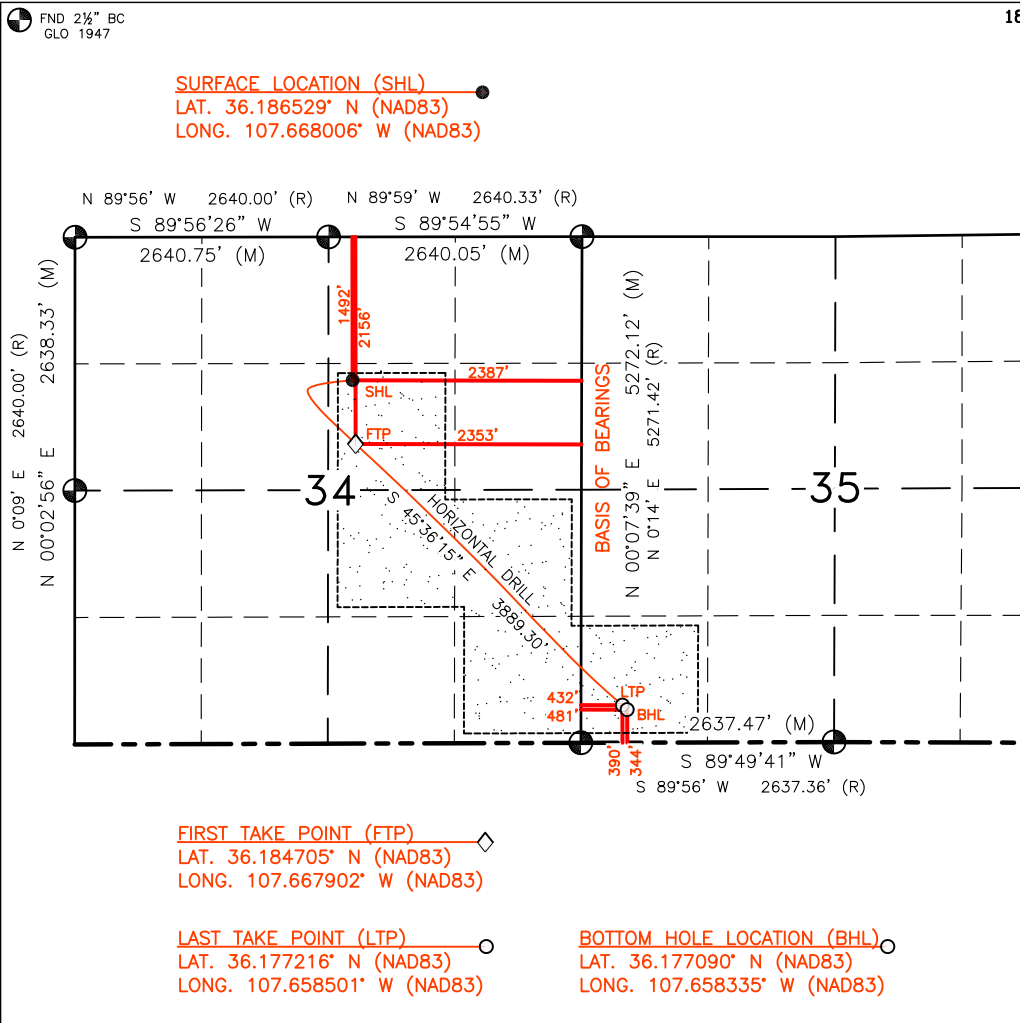
¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC 34: SW/NE, NW/SE, NE/SE & SE/SE
(160 AC.); SEC 35: SW/SW (40 AC.) =
200 ACRES

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

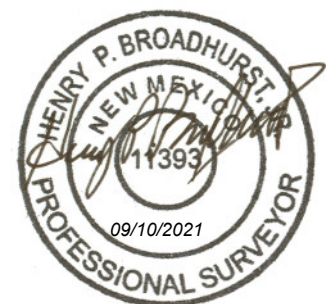
SURVEYOR CERTIFICATION

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 508H
County & State	San Juan, NM
SDI Job No.	OP.030052
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 382 feet to a measured depth of 5,215 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

3-Sep-21

Date

Janie Collins

Contract Well Planner
Scientific Drilling International



DJR

**Betonne Tsoie Unit
G34 2308 Pad
#508H**

End of Well Report



www.scientificdrilling.com



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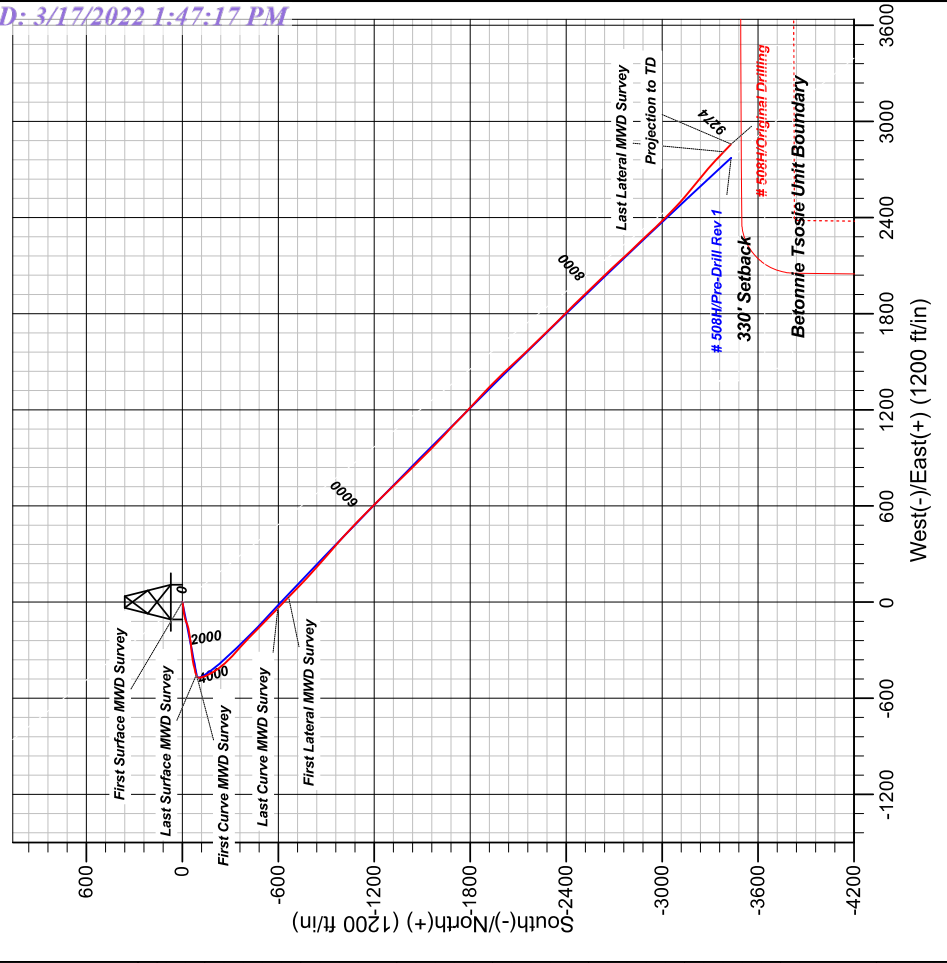
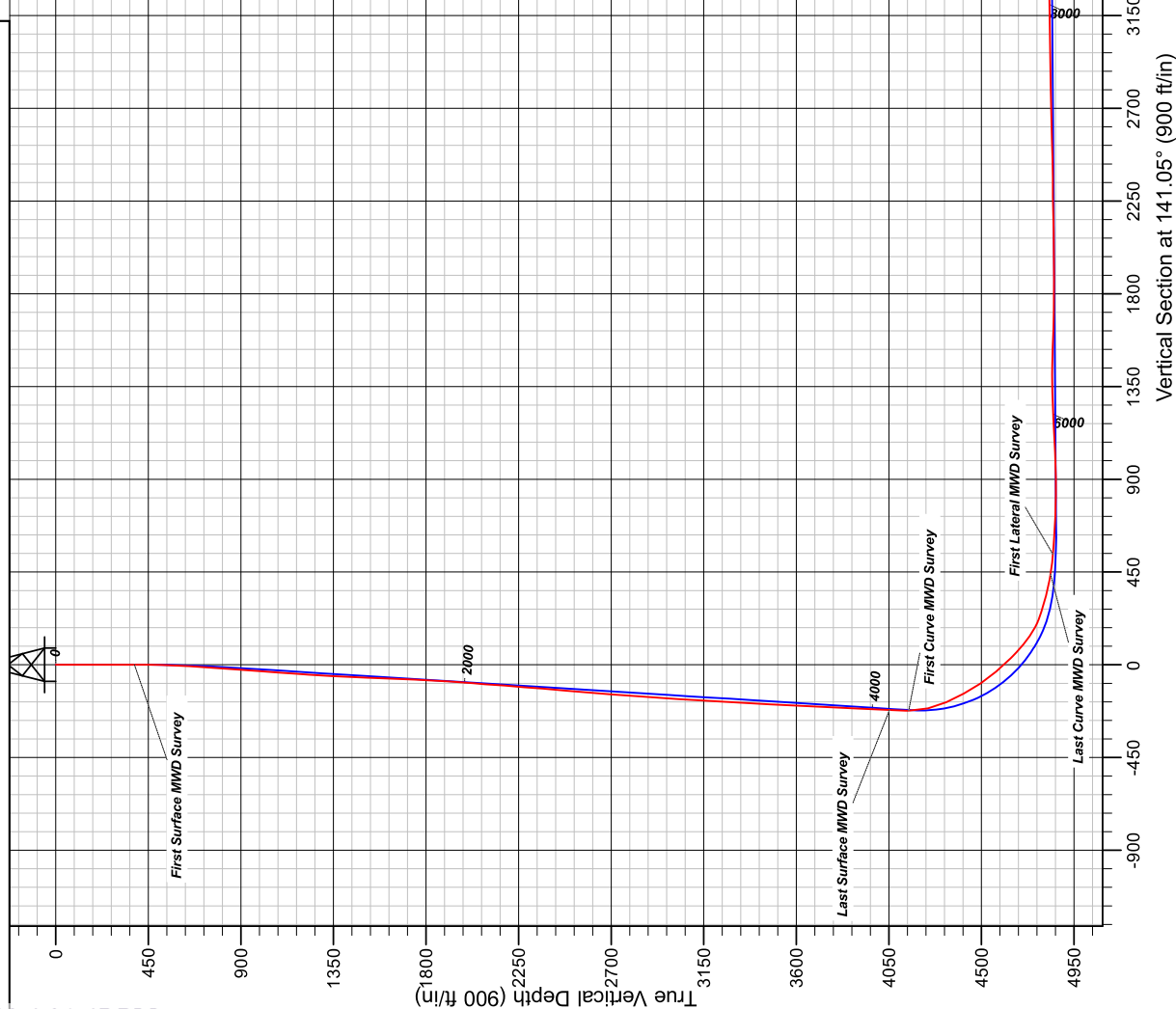


Company Name: DJR Operating
Project: Betonnie Tsosie Unit
Site: G34.2308 Pad
Well: # 508H
Wellbore: Original Drilling



WELL DETAILS: # 508H

GL 6834' & RKB 26' @ 6860ft (H&P 443) 6834		Longitude		1
+N/-S	+E/-W	Northing	Latitude	
0	0	1887235.30	36.18652900	
		Easting	Longitude	
		2771878.01	-107.66800600	



Design: Original Drilling (# 508H/Original Drilling)

Created By: Janie Collins Date: 16:33, September 03 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

508H - Slot 1

Original Drilling

Design: Original Drilling

Standard Survey Report

03 September, 2021



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 508H - Slot 1
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Well:	# 508H	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	# 508H - Slot 1		
Well Position	+N/-S	0 ft	Northing:
	+E/-W	0 ft	Easting:
Position Uncertainty	0 ft	Wellhead Elevation:	ft
		Latitude:	36.18652900
		Longitude:	-107.66800600
		Ground Level:	6834 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	8/5/2021	8.58	62.68	49,159.40000000

Design	Original Drilling			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0	0	0	141.05

Survey Program	Date	9/3/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
382	4083	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
4178	5215	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM
5313	9274	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	
382	0.00	0.00	382	0	0	0	0.00	0.00	0.00	
404	0.58	225.44	404	0	0	0	2.64	2.64	0.00	
444	0.35	227.70	444	0	0	0	0.58	-0.58	5.65	
536	3.73	262.62	536	-1	-3	-2	3.75	3.67	37.96	
628	5.65	261.21	628	-2	-11	-5	2.09	2.09	-1.53	
721	7.58	264.82	720	-3	-22	-11	2.12	2.08	3.88	
813	7.99	261.20	811	-5	-34	-18	0.69	0.45	-3.93	
904	8.23	264.99	901	-6	-47	-24	0.64	0.26	4.16	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 508H - Slot 1
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Well:	# 508H	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)
998	8.41	259.98	994	-8	-60	-32	0.79	0.19	-5.33
1088	8.45	257.88	1083	-11	-73	-38	0.34	0.04	-2.33
1178	8.65	261.30	1172	-13	-86	-44	0.61	0.22	3.80
1269	8.11	254.29	1262	-16	-99	-50	1.27	-0.59	-7.70
1360	8.78	254.10	1352	-19	-112	-55	0.74	0.74	-0.21
1454	6.94	248.43	1445	-23	-124	-60	2.12	-1.96	-6.03
1545	7.12	240.82	1536	-28	-134	-62	1.04	0.20	-8.36
1636	7.09	257.31	1626	-32	-145	-66	2.23	-0.03	18.12
1725	7.11	255.76	1714	-35	-155	-71	0.22	0.02	-1.74
1817	7.47	254.29	1806	-38	-167	-75	0.44	0.39	-1.60
1911	7.36	262.63	1899	-40	-178	-81	1.15	-0.12	8.87
2006	7.88	260.01	1993	-42	-191	-87	0.66	0.55	-2.76
2101	8.03	261.38	2087	-44	-204	-94	0.25	0.16	1.44
2196	8.70	261.22	2181	-46	-218	-101	0.71	0.71	-0.17
2291	9.09	262.30	2275	-48	-232	-108	0.45	0.41	1.14
2386	9.66	259.21	2369	-51	-247	-116	0.80	0.60	-3.25
2481	9.18	265.90	2462	-53	-263	-124	1.26	-0.51	7.04
2576	9.33	263.55	2556	-54	-278	-132	0.43	0.16	-2.47
2671	7.89	266.77	2650	-56	-292	-140	1.60	-1.52	3.39
2765	7.44	263.34	2743	-57	-305	-147	0.68	-0.48	-3.65
2860	7.59	261.03	2837	-58	-317	-154	0.36	0.16	-2.43
2955	6.55	266.74	2932	-60	-329	-160	1.32	-1.09	6.01
3050	6.53	266.19	3026	-60	-339	-166	0.07	-0.02	-0.58
3145	6.32	258.36	3121	-62	-350	-172	0.95	-0.22	-8.24
3240	7.09	260.25	3215	-64	-361	-177	0.84	0.81	1.99
3335	6.71	256.00	3309	-66	-372	-182	0.67	-0.40	-4.47
3431	6.87	259.63	3404	-69	-383	-187	0.48	0.17	3.78
3525	6.60	257.11	3498	-71	-394	-193	0.43	-0.29	-2.68
3620	6.31	256.16	3592	-73	-404	-197	0.33	-0.31	-1.00
3715	7.39	258.87	3687	-76	-415	-202	1.19	1.14	2.85
3810	7.19	253.80	3781	-78	-427	-207	0.71	-0.21	-5.34
3905	6.76	255.21	3875	-82	-438	-212	0.49	-0.45	1.48
4000	6.01	251.99	3970	-85	-448	-216	0.87	-0.79	-3.39
4083	5.78	267.13	4052	-86	-457	-220	1.89	-0.28	18.24
4178	9.17	229.62	4146	-91	-467	-223	6.07	3.57	-39.48
4273	16.23	172.98	4239	-109	-471	-211	14.21	7.43	-59.62
4368	24.31	157.90	4328	-141	-462	-181	10.06	8.51	-15.87
4464	28.64	151.08	4414	-179	-444	-140	5.50	4.51	-7.10
4559	33.59	145.05	4496	-221	-418	-91	6.15	5.21	-6.35
4654	40.98	137.86	4571	-265	-382	-33	9.02	7.78	-7.57
4749	44.83	132.68	4641	-311	-336	31	5.49	4.05	-5.45
4844	50.81	132.25	4705	-359	-284	100	6.30	6.29	-0.45
4939	60.92	133.36	4758	-412	-227	178	10.69	10.64	1.17



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 508H - Slot 1
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Well:	# 508H	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)	
5034	75.08	134.55	4793	-473	-163	265	14.95	14.91	1.25	
5129	74.82	135.01	4818	-538	-98	357	0.54	-0.27	0.48	
5215	81.18	133.60	4836	-597	-38	440	7.57	7.40	-1.64	
5313	85.47	134.08	4847	-664	32	537	4.40	4.38	0.49	
5405	86.53	134.08	4854	-728	98	628	1.15	1.15	0.00	
5497	87.49	132.67	4858	-791	165	719	1.85	1.04	-1.53	
5590	89.87	131.62	4861	-853	234	811	2.80	2.56	-1.13	
5683	88.99	130.56	4861	-914	304	902	1.48	-0.95	-1.14	
5775	93.39	132.85	4860	-976	373	993	5.39	4.78	2.49	
5867	93.21	131.62	4854	-1037	441	1084	1.35	-0.20	-1.34	
5960	91.89	134.08	4850	-1100	509	1176	3.00	-1.42	2.65	
6052	92.33	134.25	4847	-1165	575	1267	0.51	0.48	0.18	
6144	91.54	136.54	4844	-1230	639	1358	2.63	-0.86	2.49	
6236	88.81	136.36	4843	-1297	703	1450	2.97	-2.97	-0.20	
6328	87.93	135.48	4846	-1363	767	1542	1.35	-0.96	-0.96	
6419	87.67	135.48	4849	-1428	830	1632	0.29	-0.29	0.00	
6511	90.04	135.48	4851	-1493	895	1724	2.58	2.58	0.00	
6603	89.08	133.37	4852	-1558	960	1815	2.52	-1.04	-2.29	
6695	89.52	133.20	4853	-1621	1027	1906	0.51	0.48	-0.18	
6786	91.54	134.25	4852	-1683	1093	1996	2.50	2.22	1.15	
6879	91.54	133.90	4850	-1748	1160	2089	0.38	0.00	-0.38	
6971	91.01	133.02	4848	-1811	1227	2180	1.12	-0.58	-0.96	
7063	89.96	132.67	4847	-1874	1294	2271	1.20	-1.14	-0.38	
7155	90.31	134.25	4847	-1937	1361	2362	1.76	0.38	1.72	
7246	91.80	137.24	4845	-2002	1424	2453	3.67	1.64	3.29	
7338	91.45	136.89	4842	-2070	1487	2544	0.54	-0.38	-0.38	
7432	91.36	136.71	4840	-2138	1551	2638	0.21	-0.10	-0.19	
7524	90.84	135.48	4838	-2205	1615	2730	1.45	-0.57	-1.34	
7616	91.63	136.01	4836	-2270	1679	2821	1.03	0.86	0.58	
7708	90.92	135.84	4834	-2336	1743	2913	0.79	-0.77	-0.18	
7800	90.75	134.96	4833	-2402	1808	3005	0.97	-0.18	-0.96	
7893	90.40	134.43	4832	-2467	1874	3097	0.68	-0.38	-0.57	
7985	91.01	136.54	4831	-2533	1939	3189	2.39	0.66	2.29	
8077	91.01	136.89	4829	-2600	2002	3280	0.38	0.00	0.38	
8169	90.57	136.54	4828	-2667	2065	3372	0.61	-0.48	-0.38	
8261	90.84	136.89	4827	-2734	2128	3464	0.48	0.29	0.38	
8353	90.48	136.54	4826	-2801	2191	3555	0.55	-0.39	-0.38	
8445	91.36	136.54	4824	-2868	2254	3647	0.96	0.96	0.00	
8537	90.31	136.71	4823	-2934	2317	3739	1.16	-1.14	0.18	
8630	92.15	135.31	4821	-3001	2382	3832	2.49	1.98	-1.51	
8721	92.33	134.25	4818	-3065	2446	3922	1.18	0.20	-1.16	
8813	88.20	131.09	4817	-3128	2514	4013	5.65	-4.49	-3.43	
8906	90.57	128.98	4818	-3188	2585	4104	3.41	2.55	-2.27	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 508H - Slot 1
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Site:	G34 2308 Pad	MD Reference:	GL 6834' & RKB 26' @ 6860ft (H&P 443)
Well:	# 508H	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)	
8998	92.68	129.86	4815	-3246	2656	4194	2.48	2.29	0.96	
9090	94.00	131.44	4810	-3306	2726	4285	2.24	1.43	1.72	
9182	96.29	133.90	4802	-3368	2793	4375	3.65	2.49	2.67	
9207	96.11	133.55	4799	-3385	2811	4400	1.57	-0.72	-1.40	
9274	96.11	133.55	4792	-3431	2860	4466	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
382	382	0	0	First Surface MWD Survey	
4083	4052	-86	-457	Last Surface MWD Survey	
4178	4146	-91	-467	First Curve MWD Survey	
5215	4836	-597	-38	Last Curve MWD Survey	
5313	4847	-664	32	First Lateral MWD Survey	
9207	4799	-3385	2811	Last Lateral MWD Survey	
9274	4792	-3431	2860	Projection to TD	

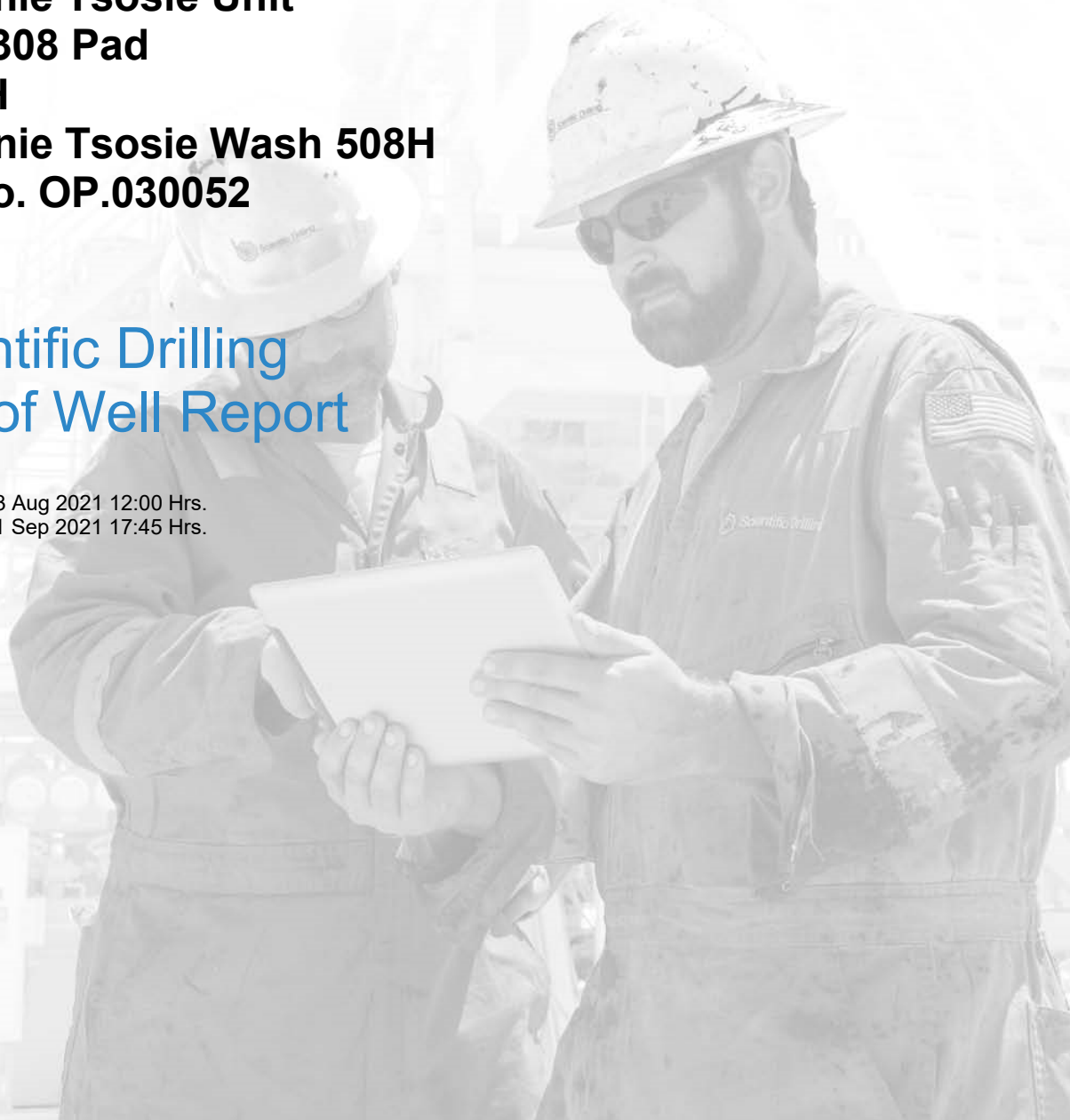
Checked By: _____	Approved By: _____	Date: _____
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**DJR Operating
DJR
Bettonie Tsosie Unit
G34 2308 Pad
508H
Bettonie Tsosie Wash 508H
Job No. OP.030052**

Scientific Drilling End of Well Report

Start Time: 03 Aug 2021 12:00 Hrs.
End Time: 01 Sep 2021 17:45 Hrs.





DJR Operating

DJR, Bettonie Tsosie Unit

End of Well Report for G34 2308 Pad, # 508H

Job Number: OP.030052	Region:	Lease/Block:	Company Rep. #1: James Retherford
Customer: DJR Operating	Field: DJR	UWI No.:	Company Rep. #2:
Well Name: # 508H	Project: Bettonie Tsosie Unit	Start Date: Tuesday, August 3, 2021	Geologist:
Rig Name:	Structure: G34 2308 Pad	End Date: Wednesday, September 1, 2021	Directional Supervisor:

Drilling Summary				Pump Details							
Start Depth: 382.00ft	End Depth: 9,274.00ft	Below Rotary Hours: 88.17hrs	Circulating Hours: 55.50hrs	#	Model	Liner Size (")	Liner Rating (%)	Volume Efficiency (%)	Vol. per Stroke (gal(US))	Maximum Pressure (psi)	Maximum Flow (gpm(US))
Total Depth Drilled: 8,892.00ft	Total Drilled Hours: 41.32hrs	Ave. Total ROP: 215.22ft/hr	Percent Drilling: 46.86%	1	Gardner-Denver PZ-11-1600	5 1/2	85.00	95.00	3.22	4,756	515
Total Rotating: 7,834.00ft	Rotating Hours: 27.78hrs	Ave. Rotating ROP: 281.97ft/hr	Percent Rotating: 88.10%	2	Gardner-Denver PZ-11-1600	5 1/2	85.00	95.00	3.22	4,756	515
Total Sliding: 1,058.00ft	Sliding Hours: 13.53hrs	Ave. Sliding ROP: 78.18ft/hr	Percent Sliding: 11.90%	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 5x16's		
WOB (lbf)	24	28	SPP Off Bottom (psi)	2,340	3,100	Manufacturer:	TFA:	Jets:	
Pick Up (lbf)	135	135	SPP On Bottom (psi)	2,700	3,980	NOV	0.982in ²	5 x 16	
Slack Off (lbf)	115	115	Delta Pressure (psi)	360	880	Model:	Bit Diameter:	Bit Hours:	
Rot. Off Bottom (lbf)	121	121	Flow Rate (gpm(US))	600	605	TK56	8 3/4"	8.85Hrs	
Bottom Hole Temp (°F)	118.0	118.0	Pump Rate (SPM)	198	200	Type:	IADC#:	Bit Footage:	
Rotary Speed (RPM)	50	50	Motor Speed (RPM)	174	225	8 3/4" PDC		3,681.00ft	
Surface Torque (ft-lbs)	6,450	9,500				Serial Number:	Condition: Chipped Teeth and Cutters		
						A262073	Reason for pulling out of hole:		
						Grade:	Finished Vertical Section of Well		
						1,2			

Drilling Summary - BHA #1 Vertical									
Start Depth: 382.00ft	Total Rotating: 3,579.00ft	End Depth: 4,063.00ft	Rotating Hours: 7.78hrs	Below Rotary Hours: 24.92hrs	Ave. Rotating ROP: 459.83ft/hr	Circulating Hours: 14.35hrs	Percent Rotating: 97.23%		
Total Depth Drilled: 3,681.00ft	Total Sliding: 102.00ft	Total Drilled Hours: 8.85hrs	Sliding Hours: 1.07hrs	Ave. Total ROP: 415.93ft/hr	Ave. Sliding ROP: 95.62ft/hr	Percent Drilling: 35.52%	Percent Sliding: 2.77%		

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 5x16's	NOV	A262073	8 3/4	0	0.00	0	4 1/2 REGP	0.80	0.80
2	SDI 7:8 6.4 1.75FBH	SDI	65260	6 1/2	0	0.00	0	4 1/2 IF	33.82	34.62
3	6 1/2" NMFP	SDI	DR20053	6 13/16	3 1/4	0.00	0	4 1/2 IF	9.72	44.34
4	6 1/2" Flex NMDC	SDI	DR29580	6 7/16	3 1/4	0.00	0	4 1/2 IF	29.89	74.23
5	6 1/2" HOS	SDI	8-1187	6 1/4	3 1/4	0.00	0	4 1/2 IF	3.96	78.19
6	6 1/2" Gap Sub	SDI	69-107	6 3/4	2 3/4	0.00	0	4 1/2 IF	4.02	82.21
7	6 1/2" NMPC	SDI	125-091	6 1/4	3 1/4	0.00	0	4 1/2 IF	9.24	91.45
8	6 1/2" NMDC	SDI	122-1103	6 3/8	3 1/4	0.00	0	4 1/2 IF	28.21	119.66
9	X-Over	SDI	232-001	6 3/4	3	0.00	0	4 1/2 XH	4.00	123.66
10	2 Joints HWDP	Rig DP	555	4 1/2	2.360	0.00	0	4 1/2 XH	61.58	185.24
11	X-Over	DJR	666	6 3/4	3	0.00	0	4 1/2 IF	1.83	187.07
12	Ream-N-Drill	SD	DTR DNI 457	6 3/4	3 1/2	0.00	0	4 1/2 IF	8.44	195.51
13	X-Over	DJR	232-001	6 3/4	3	0.00	0	4 1/2 XH	1.23	196.74

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



DJR Operating DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 508H

Drilling Parameters - BHA #2 Curve						Bit Record - BHA #2 Curve		
	Min	Max		Min	Max	Bit Number (Bit Run):	Description:	
WOB (lbf)	8	22	SPP Off Bottom (psi)	1,950	2,650	0 (Run 1)		
Pick Up (lbf)	125	150	SPP On Bottom (psi)	1,650	3,650	Manufacturer:	TFA:	Jets:
Slack Off (lbf)	90	115	Delta Pressure: (psi)	-1,000	1,000		0.000in ²	
Rot. Off Bottom (lbf)	115	135	Flow Rate (gpm(US))	300	305	Model:	Bit Diameter:	Bit Hours:
Bottom Hole Temp (°F)	121.0	137.0	Pump Rate (SPM)	94	95		0"	22.42Hrs
Rotary Speed (RPM)	50	65	Motor Speed (RPM)	247	308	Type:	IADC#:	Bit Footage:
Surface Torque (ft-lbs)	4	6,500						4,002.00ft
						Serial Number:	Condition:	
						Grade:	Reason for pulling out of hole:	

Drilling Summary - BHA #2 Curve							
Start Depth:	Total Rotating:	End Depth:	Rotating Hours:	Below Rotary Hours:	Ave. Rotating ROP:	Circulating Hours:	Percent Rotating:
5,272.00ft	3,706.00ft	9,274.00ft	15.92hrs	43.33hrs	232.84ft/hr	28.83hrs	92.60%
Total Depth Drilled:	Total Sliding:	Total Drilled Hours:	Sliding Hours:	Ave. Total ROP:	Ave. Sliding ROP:	Percent Drilling:	Percent Sliding:
4,002.00ft	296.00ft	22.42hrs	6.50hrs	178.53ft/hr	45.54ft/hr	51.73%	7.40%

Drilling Parameters - BHA #3 Lateral						Bit Record - BHA #3 Lateral		
	Min	Max		Min	Max	Bit Number (Bit Run):	Description:	
WOB (lbf)	8	22	SPP Off Bottom (psi)	1,950	2,650	3 (Run 1)	6 1/8" Security	
Pick Up (lbf)	125	150	SPP On Bottom (psi)	1,650	3,650	Manufacturer:	TFA:	Jets:
Slack Off (lbf)	90	115	Delta Pressure: (psi)	-1,000	1,000	Security	0.982in ²	5 x 16'S
Rot. Off Bottom (lbf)	115	135	Flow Rate (gpm(US))	300	305	Model:	Bit Diameter:	Bit Hours:
Bottom Hole Temp (°F)	121.0	137.0	Pump Rate (SPM)	94	95	MM55	6 1/8"	22.42Hrs
Rotary Speed (RPM)	50	65	Motor Speed (RPM)	247	308	Type:	IADC#:	Bit Footage:
Surface Torque (ft-lbs)	4	6,500					N/A	4,002.00ft
						Serial Number:	Condition:	
						12967671		
						Grade:	Reason for pulling out of hole:	
						0-1-WT-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:
5,272.00ft	3,706.00ft	9,274.00ft	15.92hrs	43.33hrs	232.84ft/hr	28.83hrs	92.60%
Total Depth Drilled:	Total Sliding:	Total Drilled Hours:	Sliding Hours:	Ave. Total ROP:	Ave. Sliding ROP:	Percent Drilling:	Percent Sliding:
4,002.00ft	296.00ft	22.42hrs	6.50hrs	178.53ft/hr	45.54ft/hr	51.73%	7.40%

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									
03 Aug 2021	12:00	00:00	12.00	382.00	382.00			Standby	
04 Aug 2021	00:00	06:00	30.00	382.00	382.00			Standby	
05 Aug 2021	06:00	09:50	3.83	382.00	382.00			Change BHA	
05 Aug 2021	09:50	10:24	0.57	382.00	382.00			Tripping In	
05 Aug 2021	10:24	10:35	0.18	382.00	382.00			Drill Cement and/or Float Equipment	
05 Aug 2021	10:35	10:45	0.17	382.00	414.00	32.00	192.00	Rotating	
05 Aug 2021	10:45	10:49	0.07	414.00	414.00			Connection (drilling)	
05 Aug 2021	10:49	11:21	0.53	414.00	470.00	56.00	105.00	Rotating	
05 Aug 2021	11:21	11:21	0.00	470.00	470.00			Deviation Survey	
05 Aug 2021	11:21	11:32	0.18	470.00	482.00	12.00	65.45	Sliding	
05 Aug 2021	11:32	11:38	0.10	482.00	507.00	25.00	250.00	Rotating	
05 Aug 2021	11:38	11:40	0.03	507.00	507.00			Survey & Connection	
05 Aug 2021	11:40	11:45	0.08	507.00	519.00	12.00	144.00	Sliding	
05 Aug 2021	11:45	11:53	0.13	519.00	599.00	80.00	600.00	Rotating	
05 Aug 2021	11:53	11:55	0.03	599.00	599.00			Survey & Connection	
05 Aug 2021	11:55	12:08	0.22	599.00	691.00	92.00	424.62	Rotating	
05 Aug 2021	12:08	12:13	0.08	691.00	691.00			Survey & Connection	
05 Aug 2021	12:13	12:18	0.08	691.00	699.00	8.00	96.00	Sliding	
05 Aug 2021	12:18	12:30	0.20	699.00	784.00	85.00	425.00	Rotating	
05 Aug 2021	12:30	12:33	0.05	784.00	784.00			Survey & Connection	
05 Aug 2021	12:33	12:39	0.10	784.00	876.00	92.00	920.00	Rotating	
05 Aug 2021	12:39	12:42	0.05	876.00	876.00			Survey & Connection	



DJR Operating DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 508H

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
05 Aug 2021	12:42	12:51	0.15	876.00	967.00	91.00	606.67	Rotating	
05 Aug 2021	12:51	12:56	0.08	967.00	967.00			Survey & Connection	
05 Aug 2021	12:56	13:00	0.07	967.00	972.00	5.00	75.00	Sliding	
05 Aug 2021	13:00	13:08	0.13	972.00	1,061.00	89.00	667.50	Rotating	
05 Aug 2021	13:08	13:12	0.07	1,061.00	1,061.00			Survey & Connection	
05 Aug 2021	13:12	13:23	0.18	1,061.00	1,151.00	90.00	490.91	Rotating	
05 Aug 2021	13:23	13:27	0.07	1,151.00	1,151.00			Survey & Connection	
05 Aug 2021	13:27	13:39	0.20	1,151.00	1,241.00	90.00	450.00	Rotating	
05 Aug 2021	13:39	13:48	0.15	1,241.00	1,241.00			Survey & Connection	
05 Aug 2021	13:48	13:52	0.07	1,241.00	1,246.00	5.00	75.00	Sliding	
05 Aug 2021	13:52	13:59	0.12	1,246.00	1,332.00	86.00	737.14	Rotating	
05 Aug 2021	13:59	14:07	0.13	1,332.00	1,332.00			Survey & Connection	
05 Aug 2021	14:07	14:15	0.13	1,332.00	1,423.00	91.00	682.50	Rotating	
05 Aug 2021	14:15	14:20	0.08	1,423.00	1,423.00			Survey & Connection	
05 Aug 2021	14:20	14:32	0.20	1,423.00	1,517.00	94.00	470.00	Rotating	
05 Aug 2021	14:32	14:38	0.10	1,517.00	1,517.00			Survey & Connection	
05 Aug 2021	14:38	14:45	0.12	1,517.00	1,608.00	91.00	780.00	Rotating	
05 Aug 2021	14:45	14:54	0.15	1,608.00	1,608.00			Survey & Connection	
05 Aug 2021	14:54	14:57	0.05	1,608.00	1,618.00	10.00	200.00	Sliding	
05 Aug 2021	14:57	15:07	0.17	1,618.00	1,699.00	81.00	486.00	Rotating	
05 Aug 2021	15:07	15:10	0.05	1,699.00	1,699.00			Survey & Connection	
05 Aug 2021	15:10	15:20	0.17	1,699.00	1,788.00	89.00	534.00	Rotating	
05 Aug 2021	15:20	15:26	0.10	1,788.00	1,788.00			Survey & Connection	
05 Aug 2021	15:26	15:36	0.17	1,788.00	1,880.00	92.00	552.00	Rotating	
05 Aug 2021	15:36	15:40	0.07	1,880.00	1,880.00			Survey & Connection	
05 Aug 2021	15:40	15:44	0.07	1,880.00	1,890.00	10.00	150.00	Sliding	
05 Aug 2021	15:44	15:55	0.18	1,890.00	1,974.00	84.00	458.18	Rotating	
05 Aug 2021	15:55	16:02	0.12	1,974.00	1,974.00			Survey & Connection	
05 Aug 2021	16:02	16:12	0.17	1,974.00	2,069.00	95.00	570.00	Rotating	
05 Aug 2021	16:12	16:17	0.08	2,069.00	2,069.00			Survey & Connection	
05 Aug 2021	16:17	16:27	0.17	2,069.00	2,164.00	95.00	570.00	Rotating	
05 Aug 2021	16:27	16:33	0.10	2,164.00	2,164.00			Survey & Connection	
05 Aug 2021	16:33	16:43	0.17	2,164.00	2,259.00	95.00	570.00	Rotating	
05 Aug 2021	16:43	16:55	0.20	2,259.00	2,259.00			Lubricate Rig	
05 Aug 2021	16:55	17:00	0.08	2,259.00	2,259.00			Survey & Connection	
05 Aug 2021	17:00	17:10	0.17	2,259.00	2,354.00	95.00	570.00	Rotating	
05 Aug 2021	17:10	17:25	0.25	2,354.00	2,354.00			Survey & Connection	
05 Aug 2021	17:25	17:39	0.23	2,354.00	2,449.00	95.00	407.14	Rotating	
05 Aug 2021	17:39	17:49	0.17	2,449.00	2,449.00			Survey & Connection	
05 Aug 2021	17:49	17:54	0.08	2,449.00	2,459.00	10.00	120.00	Sliding	
05 Aug 2021	17:54	18:04	0.17	2,459.00	2,544.00	85.00	510.00	Rotating	
05 Aug 2021	18:04	18:11	0.12	2,544.00	2,544.00			Survey & Connection	
05 Aug 2021	18:11	18:25	0.23	2,544.00	2,639.00	95.00	407.14	Rotating	
05 Aug 2021	18:25	18:39	0.23	2,639.00	2,639.00			Survey & Connection	
05 Aug 2021	18:39	18:55	0.27	2,639.00	2,639.00			Other	MWD Talkdown
05 Aug 2021	18:55	19:07	0.20	2,639.00	2,651.00	12.00	60.00	Sliding	
05 Aug 2021	19:07	19:15	0.13	2,651.00	2,734.00	83.00	622.50	Rotating	
05 Aug 2021	19:15	19:20	0.08	2,734.00	2,734.00			Survey & Connection	
05 Aug 2021	19:20	19:33	0.22	2,734.00	2,734.00			Other	MWD Talkdown
05 Aug 2021	19:33	19:42	0.15	2,734.00	2,828.00	94.00	626.67	Rotating	
05 Aug 2021	19:42	19:47	0.08	2,828.00	2,828.00			Survey & Connection	
05 Aug 2021	19:47	19:58	0.18	2,828.00	2,923.00	95.00	518.18	Rotating	
05 Aug 2021	19:58	20:06	0.13	2,923.00	2,923.00			Survey & Connection	
05 Aug 2021	20:06	20:12	0.10	2,923.00	2,932.00	9.00	90.00	Sliding	
05 Aug 2021	20:12	20:22	0.17	2,932.00	3,018.00	86.00	516.00	Rotating	
05 Aug 2021	20:22	20:27	0.08	3,018.00	3,018.00			Survey & Connection	
05 Aug 2021	20:27	20:36	0.15	3,018.00	3,113.00	95.00	633.33	Rotating	
05 Aug 2021	20:36	20:41	0.08	3,113.00	3,113.00			Survey & Connection	
05 Aug 2021	20:41	20:55	0.23	3,113.00	3,208.00	95.00	407.14	Rotating	
05 Aug 2021	20:55	21:00	0.08	3,208.00	3,208.00			Survey & Connection	
05 Aug 2021	21:00	21:13	0.22	3,208.00	3,303.00	95.00	438.46	Rotating	



DJR Operating DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 508H

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
05 Aug 2021	21:13	21:18	0.08	3,303.00	3,303.00			Survey & Connection	
05 Aug 2021	21:18	21:30	0.20	3,303.00	3,398.00	95.00	475.00	Rotating	
05 Aug 2021	21:30	21:35	0.08	3,398.00	3,398.00			Survey & Connection	
05 Aug 2021	21:35	21:50	0.25	3,398.00	3,494.00	96.00	384.00	Rotating	
05 Aug 2021	21:50	21:55	0.08	3,494.00	3,494.00			Survey & Connection	Side By Side - GOOD
05 Aug 2021	21:55	22:09	0.23	3,494.00	3,588.00	94.00	402.86	Rotating	
05 Aug 2021	22:09	22:14	0.08	3,588.00	3,588.00			Survey & Connection	
05 Aug 2021	22:14	22:18	0.07	3,588.00	3,651.00	63.00	945.00	Rotating	
05 Aug 2021	22:18	00:00	1.70	3,651.00	3,651.00			Circulate and/or Condition Mud	Change Our Wear Plate Gasket On Pump
06 Aug 2021	00:00	00:10	0.17	3,651.00	3,651.00			Circulate and/or Condition Mud	Change Out Wear Plate Gasket On Pump
06 Aug 2021	00:10	00:18	0.13	3,651.00	3,683.00	32.00	240.00	Rotating	
06 Aug 2021	00:18	00:22	0.07	3,683.00	3,683.00			Survey & Connection	
06 Aug 2021	00:22	00:27	0.08	3,683.00	3,692.00	9.00	108.00	Sliding	
06 Aug 2021	00:27	00:41	0.23	3,692.00	3,778.00	86.00	368.57	Rotating	
06 Aug 2021	00:41	00:45	0.07	3,778.00	3,778.00			Survey & Connection	
06 Aug 2021	00:45	01:03	0.30	3,778.00	3,873.00	95.00	316.67	Rotating	
06 Aug 2021	01:03	01:07	0.07	3,873.00	3,873.00			Survey & Connection	
06 Aug 2021	01:07	01:21	0.23	3,873.00	3,968.00	95.00	407.14	Rotating	
06 Aug 2021	01:21	01:24	0.05	3,968.00	3,968.00			Connection (drilling)	Recycle - Trouble Shoot EM - No Sync
06 Aug 2021	01:24	01:42	0.30	3,968.00	3,968.00			Circulate and/or Condition Mud	Recycle Multiple Attempts - Talk To EM To Sync Up - No Success. Decision Made To Rotate Ahead
06 Aug 2021	01:42	01:56	0.23	3,968.00	4,063.00	95.00	407.14	Rotating	
06 Aug 2021	01:56	03:16	1.33	4,063.00	4,063.00			Circulate and/or Condition Mud	
06 Aug 2021	03:16	05:20	2.07	4,063.00	4,063.00			Short Trip Out	
06 Aug 2021	05:20	07:26	2.10	4,063.00	4,063.00			Short Trip In	
06 Aug 2021	07:26	09:15	1.82	4,063.00	4,063.00			Circulate and/or Condition Mud	
06 Aug 2021	09:15	10:45	1.50	4,063.00	4,063.00			Tripping Out	
06 Aug 2021	10:45	12:15	1.50	4,063.00	4,063.00			Change BHA	L/DBit and Motor
06 Aug 2021	12:15	12:15	0.00	4,063.00	4,063.00			Deviation Survey	
BHA #2 Curve									
06 Aug 2021	12:15	12:45	0.50	4,063.00	4,063.00			Change BHA	Pick Up Curve Bit and Motor
06 Aug 2021	12:45	13:09	0.40	4,063.00	4,063.00			Tripping In	
06 Aug 2021	13:09	13:40	0.52	4,063.00	4,063.00			Lubricate Rig	
06 Aug 2021	13:40	15:16	1.60	4,063.00	4,063.00			Tripping In	
06 Aug 2021	15:16	15:24	0.13	4,063.00	4,073.00	10.00	75.00	Rotating	
06 Aug 2021	15:24	15:35	0.18	4,073.00	4,085.00	12.00	65.45	Sliding	
06 Aug 2021	15:35	15:55	0.33	4,085.00	4,140.00	55.00	165.00	Rotating	
06 Aug 2021	15:55	16:00	0.08	4,140.00	4,140.00			Survey & Connection	
06 Aug 2021	16:00	16:05	0.08	4,140.00	4,149.00	9.00	108.00	Rotating	
06 Aug 2021	16:05	17:04	0.98	4,149.00	4,235.00	86.00	87.46	Sliding	
06 Aug 2021	17:04	17:09	0.08	4,235.00	4,235.00			Survey & Connection	
06 Aug 2021	17:09	17:56	0.78	4,235.00	4,295.00	60.00	76.60	Sliding	
06 Aug 2021	17:56	18:18	0.37	4,295.00	4,330.00	35.00	95.45	Rotating	
06 Aug 2021	18:18	18:23	0.08	4,330.00	4,330.00			Survey & Connection	
06 Aug 2021	18:23	18:48	0.42	4,330.00	4,384.00	54.00	129.60	Sliding	
06 Aug 2021	18:48	19:05	0.28	4,384.00	4,425.00	41.00	144.71	Rotating	
06 Aug 2021	19:05	19:10	0.08	4,425.00	4,425.00			Survey & Connection	
06 Aug 2021	19:10	19:33	0.38	4,425.00	4,458.00	33.00	86.09	Sliding	
06 Aug 2021	19:33	20:10	0.62	4,458.00	4,521.00	63.00	102.16	Rotating	
06 Aug 2021	20:10	20:15	0.08	4,521.00	4,521.00			Survey & Connection	
06 Aug 2021	20:15	20:50	0.58	4,521.00	4,591.00	70.00	120.00	Sliding	
06 Aug 2021	20:50	21:00	0.17	4,591.00	4,616.00	25.00	150.00	Rotating	
06 Aug 2021	21:00	21:05	0.08	4,616.00	4,616.00			Survey & Connection	
06 Aug 2021	21:05	21:20	0.25	4,616.00	4,656.00	40.00	160.00	Sliding	
06 Aug 2021	21:20	22:00	0.67	4,656.00	4,711.00	55.00	82.50	Rotating	
06 Aug 2021	22:00	22:05	0.08	4,711.00	4,711.00			Survey & Connection	
06 Aug 2021	22:05	22:35	0.50	4,711.00	4,765.00	54.00	108.00	Sliding	
06 Aug 2021	22:35	22:52	0.28	4,765.00	4,806.00	41.00	144.71	Rotating	
06 Aug 2021	22:52	22:57	0.08	4,806.00	4,806.00			Survey & Connection	
06 Aug 2021	22:57	23:20	0.38	4,806.00	4,872.00	66.00	172.17	Sliding	
06 Aug 2021	23:20	23:31	0.18	4,872.00	4,901.00	29.00	158.18	Rotating	



End of Well Report for G34 2308 Pad, # 508H

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
06 Aug 2021	23:31	23:36	0.08	4,901.00	4,901.00			Survey & Connection	
06 Aug 2021	23:36	00:05	0.48	4,901.00	4,986.00	85.00	175.86	Sliding	
07 Aug 2021	00:05	00:10	0.08	4,986.00	4,996.00	10.00	120.00	Rotating	
07 Aug 2021	00:10	00:15	0.08	4,996.00	4,996.00			Survey & Connection	
07 Aug 2021	00:15	00:34	0.32	4,996.00	5,030.00	34.00	107.37	Sliding	
07 Aug 2021	00:34	00:52	0.30	5,030.00	5,091.00	61.00	203.33	Rotating	
07 Aug 2021	00:52	00:57	0.08	5,091.00	5,091.00			Survey & Connection	
07 Aug 2021	00:57	01:25	0.47	5,091.00	5,186.00	95.00	203.57	Rotating	
07 Aug 2021	01:25	01:30	0.08	5,186.00	5,186.00			Survey & Connection	
07 Aug 2021	01:30	02:12	0.70	5,186.00	5,252.00	66.00	94.29	Sliding	
07 Aug 2021	02:12	02:19	0.12	5,252.00	5,272.00	20.00	171.43	Rotating	
07 Aug 2021	02:19	02:24	0.08	5,272.00	5,272.00			Deviation Survey	
07 Aug 2021	02:24	03:10	0.77	5,272.00	5,272.00			Circulate and/or Condition Mud	
07 Aug 2021	03:10	04:05	0.92	5,272.00	5,272.00			Short Trip Out	
07 Aug 2021	04:05	05:00	0.92	5,272.00	5,272.00			Short Trip In	
07 Aug 2021	05:00	06:30	1.50	5,272.00	5,272.00			Circulate and/or Condition Mud	
07 Aug 2021	06:30	08:40	2.17	5,272.00	5,272.00			Tripping Out	
07 Aug 2021	08:40	09:20	0.67	5,272.00	5,272.00			Change BHA	L/D BHA
07 Aug 2021	09:20	04:00	18.67	5,272.00	5,272.00			Standby	
BHA #3 Lateral									
30 Aug 2021	04:00	20:00	16.00	5,272.00	5,272.00			Standby	
30 Aug 2021	20:00	21:10	1.17	5,272.00	5,272.00			Change BHA	
30 Aug 2021	21:10	00:50	3.67	5,272.00	5,272.00			Tripping In	
31 Aug 2021	00:50	01:15	0.42	5,272.00	5,272.00			Drill Cement and/or Float Equipment	SHOE @ 5262'
31 Aug 2021	01:15	01:45	0.50	5,272.00	5,380.00	108.00	216.00	Rotating	
31 Aug 2021	01:45	01:48	0.05	5,380.00	5,380.00			Survey & Connection	
31 Aug 2021	01:48	01:52	0.07	5,380.00	5,400.00	20.00	300.00	Rotating	
31 Aug 2021	01:52	02:25	0.55	5,400.00	5,400.00			Trouble Shooting	TROUBLESHOOT MUD PUMPS AND MOTOR
31 Aug 2021	02:25	02:35	0.17	5,400.00	5,420.00	20.00	120.00	Sliding	
31 Aug 2021	02:35	02:48	0.22	5,420.00	5,482.00	62.00	286.15	Rotating	
31 Aug 2021	02:48	02:51	0.05	5,482.00	5,482.00			Survey & Connection	
31 Aug 2021	02:51	03:07	0.27	5,482.00	5,564.00	82.00	307.50	Rotating	
31 Aug 2021	03:07	03:10	0.05	5,564.00	5,564.00			Survey & Connection	
31 Aug 2021	03:10	03:15	0.08	5,564.00	5,582.00	18.00	216.00	Rotating	
31 Aug 2021	03:15	04:00	0.75	5,582.00	5,602.00	20.00	26.67	Sliding	Stacking Wt, diff spike.
31 Aug 2021	04:00	04:12	0.20	5,602.00	5,657.00	55.00	275.00	Rotating	
31 Aug 2021	04:12	04:15	0.05	5,657.00	5,657.00			Survey & Connection	
31 Aug 2021	04:15	04:32	0.28	5,657.00	5,750.00	93.00	328.24	Rotating	
31 Aug 2021	04:32	04:36	0.07	5,750.00	5,750.00			Survey & Connection	Bottom Line Check - GOOD
31 Aug 2021	04:36	04:40	0.07	5,750.00	5,750.00			Rotating	
31 Aug 2021	04:40	05:00	0.33	5,750.00	5,768.00	18.00	54.00	Sliding	
31 Aug 2021	05:00	05:16	0.27	5,768.00	5,842.00	74.00	277.50	Rotating	
31 Aug 2021	05:16	05:20	0.07	5,842.00	5,842.00			Survey & Connection	Deflection
31 Aug 2021	05:20	05:28	0.13	5,842.00	5,862.00	20.00	150.00	Rotating	
31 Aug 2021	05:28	05:35	0.12	5,862.00	5,872.00	10.00	85.71	Sliding	
31 Aug 2021	05:35	05:53	0.30	5,872.00	5,934.00	62.00	206.67	Rotating	
31 Aug 2021	05:53	05:57	0.07	5,934.00	5,934.00			Survey & Connection	
31 Aug 2021	05:57	06:05	0.13	5,934.00	5,948.00	14.00	105.00	Rotating	
31 Aug 2021	06:05	06:13	0.13	5,948.00	5,960.00	12.00	90.00	Sliding	
31 Aug 2021	06:13	06:30	0.28	5,960.00	6,027.00	67.00	236.47	Rotating	
31 Aug 2021	06:30	06:34	0.07	6,027.00	6,027.00			Survey & Connection	
31 Aug 2021	06:34	06:43	0.15	6,027.00	6,045.00	18.00	120.00	Rotating	
31 Aug 2021	06:43	06:48	0.08	6,045.00	6,045.00			Circulate and/or Condition Mud	Check Shot @ 5978 Inc 91.71 Azm 133.73
31 Aug 2021	06:48	06:54	0.10	6,045.00	6,065.00	20.00	200.00	Rotating	
31 Aug 2021	06:54	06:59	0.08	6,065.00	6,065.00			Circulate and/or Condition Mud	Check Shot @ 5998' Inc 91.8 Azm 133.73
31 Aug 2021	06:59	07:08	0.15	6,065.00	6,077.00	12.00	80.00	Sliding	
31 Aug 2021	07:08	07:20	0.20	6,077.00	6,119.00	42.00	210.00	Rotating	
31 Aug 2021	07:20	07:24	0.07	6,119.00	6,119.00			Survey & Connection	
31 Aug 2021	07:24	07:30	0.10	6,119.00	6,150.00	31.00	310.00	Rotating	
31 Aug 2021	07:30	07:35	0.08	6,150.00	6,150.00			Circulate and/or Condition Mud	Check Shot @ 6083 Inc 92.07 Azm 136.71



DJR Operating

DJR, Bettonie Tsosie Unit

End of Well Report for G34 2308 Pad, # 508H

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
31 Aug 2021	07:35	07:45	0.17	6,150.00	6,164.00	14.00	84.00	Sliding	
31 Aug 2021	07:45	08:00	0.25	6,164.00	6,211.00	47.00	188.00	Rotating	
31 Aug 2021	08:00	08:05	0.08	6,211.00	6,211.00			Survey & Connection	
31 Aug 2021	08:05	08:10	0.08	6,211.00	6,242.00	31.00	372.00	Rotating	
31 Aug 2021	08:10	08:15	0.08	6,242.00	6,242.00			Circulate and/or Condition Mud	Chech Shot @ 6175 Inc 88.55 Azm 136.71
31 Aug 2021	08:15	08:26	0.18	6,242.00	6,303.00	61.00	332.73	Rotating	
31 Aug 2021	08:26	08:31	0.08	6,303.00	6,303.00			Survey & Connection	
31 Aug 2021	08:31	08:48	0.28	6,303.00	6,395.00	92.00	324.71	Rotating	
31 Aug 2021	08:48	08:53	0.08	6,395.00	6,395.00			Survey & Connection	
31 Aug 2021	08:53	08:58	0.08	6,395.00	6,410.00	15.00	180.00	Rotating	
31 Aug 2021	08:58	09:03	0.08	6,410.00	6,416.00	6.00	72.00	Sliding	
31 Aug 2021	09:03	09:19	0.27	6,416.00	6,486.00	70.00	262.50	Rotating	
31 Aug 2021	09:19	09:24	0.08	6,486.00	6,486.00			Survey & Connection	
31 Aug 2021	09:24	09:28	0.07	6,486.00	6,490.00	4.00	60.00	Rotating	
31 Aug 2021	09:28	09:38	0.17	6,490.00	6,506.00	16.00	96.00	Sliding	
31 Aug 2021	09:38	09:55	0.28	6,506.00	6,578.00	72.00	254.12	Rotating	
31 Aug 2021	09:55	10:00	0.08	6,578.00	6,578.00			Survey & Connection	
31 Aug 2021	10:00	10:17	0.28	6,578.00	6,670.00	92.00	324.71	Rotating	
31 Aug 2021	10:17	10:21	0.07	6,670.00	6,670.00			Survey & Connection	
31 Aug 2021	10:21	10:28	0.12	6,670.00	6,680.00	10.00	85.71	Rotating	
31 Aug 2021	10:28	10:36	0.13	6,680.00	6,694.00	14.00	105.00	Sliding	
31 Aug 2021	10:36	10:51	0.25	6,694.00	6,762.00	68.00	272.00	Rotating	
31 Aug 2021	10:51	10:56	0.08	6,762.00	6,762.00			Survey & Connection	
31 Aug 2021	10:56	11:04	0.13	6,762.00	6,775.00	13.00	97.50	Rotating	
31 Aug 2021	11:04	11:12	0.13	6,775.00	6,791.00	16.00	120.00	Sliding	
31 Aug 2021	11:12	11:28	0.27	6,791.00	6,853.00	62.00	232.50	Rotating	
31 Aug 2021	11:28	11:32	0.07	6,853.00	6,853.00			Survey & Connection	Target Change - TVD 4825' @ 9200' MD Dip 90.65° - As Per Woody
31 Aug 2021	11:32	11:58	0.43	6,853.00	6,946.00	93.00	214.62	Rotating	
31 Aug 2021	11:58	12:08	0.17	6,946.00	6,946.00			Survey & Connection	Recycle - Check Survey
31 Aug 2021	12:08	12:29	0.35	6,946.00	7,038.00	92.00	262.86	Rotating	
31 Aug 2021	12:29	12:33	0.07	7,038.00	7,038.00			Survey & Connection	
31 Aug 2021	12:33	12:56	0.38	7,038.00	7,130.00	92.00	240.00	Rotating	
31 Aug 2021	12:56	13:00	0.07	7,130.00	7,130.00			Survey & Connection	
31 Aug 2021	13:00	13:10	0.17	7,130.00	7,141.00	11.00	66.00	Rotating	
31 Aug 2021	13:10	13:32	0.37	7,141.00	7,163.00	22.00	60.00	Sliding	
31 Aug 2021	13:32	13:51	0.32	7,163.00	7,222.00	59.00	186.32	Rotating	
31 Aug 2021	13:51	13:55	0.07	7,222.00	7,222.00			Survey & Connection	
31 Aug 2021	13:55	14:02	0.12	7,222.00	7,236.00	14.00	120.00	Rotating	
31 Aug 2021	14:02	14:12	0.17	7,236.00	7,252.00	16.00	96.00	Sliding	
31 Aug 2021	14:12	14:29	0.28	7,252.00	7,313.00	61.00	215.29	Rotating	
31 Aug 2021	14:29	14:33	0.07	7,313.00	7,313.00			Survey & Connection	
31 Aug 2021	14:33	14:58	0.42	7,313.00	7,405.00	92.00	220.80	Rotating	
31 Aug 2021	14:58	15:00	0.03	7,405.00	7,405.00			Survey & Connection	Bottom Line Check - GOOD
31 Aug 2021	15:00	15:22	0.37	7,405.00	7,499.00	94.00	256.36	Rotating	
31 Aug 2021	15:22	15:30	0.13	7,499.00	7,499.00			Circulate and/or Condition Mud	SPR's
31 Aug 2021	15:30	15:34	0.07	7,499.00	7,499.00			Survey & Connection	Target Change - TVD 4811' @ 9200' MD
31 Aug 2021	15:34	16:00	0.43	7,499.00	7,591.00	92.00	212.31	Rotating	
31 Aug 2021	16:00	16:15	0.25	7,591.00	7,591.00			Service Rig	
31 Aug 2021	16:15	16:19	0.07	7,591.00	7,591.00			Survey & Connection	
31 Aug 2021	16:19	16:30	0.18	7,591.00	7,606.00	15.00	81.82	Rotating	
31 Aug 2021	16:30	16:42	0.20	7,606.00	7,616.00	10.00	50.00	Sliding	1300 PSI Differential Spike - Reset Slide
31 Aug 2021	16:42	17:00	0.30	7,616.00	7,683.00	67.00	223.33	Rotating	
31 Aug 2021	17:00	17:05	0.08	7,683.00	7,683.00			Survey & Connection	
31 Aug 2021	17:05	17:25	0.33	7,683.00	7,775.00	92.00	276.00	Rotating	
31 Aug 2021	17:25	17:48	0.38	7,775.00	7,775.00			Survey & Connection	
31 Aug 2021	17:48	17:52	0.07	7,775.00	7,867.00	92.00	1,380.00	Rotating	
31 Aug 2021	17:52	17:56	0.07	7,867.00	7,867.00			Survey & Connection	
31 Aug 2021	17:56	18:19	0.38	7,867.00	7,960.00	93.00	242.61	Rotating	
31 Aug 2021	18:19	18:22	0.05	7,960.00	7,960.00			Survey & Connection	
31 Aug 2021	18:22	18:27	0.08	7,960.00	7,972.00	12.00	144.00	Rotating	



DJR Operating DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 508H

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						
31 Aug 2021	18:27	18:53	0.43	7,972.00	7,985.00	13.00	30.00	Sliding							
31 Aug 2021	18:53	19:10	0.28	7,985.00	8,052.00	67.00	236.47	Rotating							
31 Aug 2021	19:10	19:13	0.05	8,052.00	8,052.00			Survey & Connection							
31 Aug 2021	19:13	19:33	0.33	8,052.00	8,144.00	92.00	276.00	Rotating							
31 Aug 2021	19:33	19:36	0.05	8,144.00	8,144.00			Survey & Connection							
31 Aug 2021	19:36	19:57	0.35	8,144.00	8,236.00	92.00	262.86	Rotating							
31 Aug 2021	19:57	20:00	0.05	8,236.00	8,236.00			Survey & Connection							
31 Aug 2021	20:00	20:23	0.38	8,236.00	8,328.00	92.00	240.00	Rotating							
31 Aug 2021	20:23	20:25	0.03	8,328.00	8,328.00			Survey & Connection							
31 Aug 2021	20:25	20:46	0.35	8,328.00	8,420.00	92.00	262.86	Rotating							
31 Aug 2021	20:46	20:49	0.05	8,420.00	8,420.00			Survey & Connection							
31 Aug 2021	20:49	20:55	0.10	8,420.00	8,430.00	10.00	100.00	Rotating							
31 Aug 2021	20:55	21:08	0.22	8,430.00	8,437.00	7.00	32.31	Sliding							
31 Aug 2021	21:08	21:27	0.32	8,437.00	8,512.00	75.00	236.84	Rotating							
31 Aug 2021	21:27	21:30	0.05	8,512.00	8,512.00			Survey & Connection							
31 Aug 2021	21:30	21:52	0.37	8,512.00	8,604.00	92.00	250.91	Rotating							
31 Aug 2021	21:52	21:55	0.05	8,604.00	8,604.00			Survey & Connection							
31 Aug 2021	21:55	22:01	0.10	8,604.00	8,617.00	13.00	130.00	Rotating							
31 Aug 2021	22:01	22:30	0.48	8,617.00	8,630.00	13.00	26.90	Sliding							
31 Aug 2021	22:30	22:50	0.33	8,630.00	8,697.00	67.00	201.00	Rotating							
31 Aug 2021	22:50	22:53	0.05	8,697.00	8,697.00			Survey & Connection							
31 Aug 2021	22:53	23:24	0.52	8,697.00	8,788.00	91.00	176.13	Rotating	Bottom Line VERIFIED						
31 Aug 2021	23:24	23:27	0.05	8,788.00	8,788.00			Survey & Connection							
31 Aug 2021	23:27	23:47	0.33	8,788.00	8,880.00	92.00	276.00	Rotating							
31 Aug 2021	23:47	23:50	0.05	8,880.00	8,880.00			Survey & Connection	DEFLECTION						
31 Aug 2021	23:50	00:00	0.17	8,880.00	8,885.00	5.00	30.00	Rotating							
01 Sep 2021	00:00	00:46	0.77	8,885.00	8,905.00	20.00	26.09	Sliding							
01 Sep 2021	00:46	01:02	0.27	8,905.00	8,973.00	68.00	255.00	Rotating							
01 Sep 2021	01:02	01:05	0.05	8,973.00	8,973.00			Survey & Connection							
01 Sep 2021	01:05	01:13	0.13	8,973.00	8,983.00	10.00	75.00	Rotating							
01 Sep 2021	01:13	01:50	0.62	8,983.00	9,000.00	17.00	27.57	Sliding							
01 Sep 2021	01:50	02:07	0.28	9,000.00	9,065.00	65.00	229.41	Rotating							
01 Sep 2021	02:07	02:10	0.05	9,065.00	9,065.00			Survey & Connection	FORMATION PUSHING HARD LEFT.						
01 Sep 2021	02:10	02:16	0.10	9,065.00	9,075.00	10.00	100.00	Rotating							
01 Sep 2021	02:16	03:11	0.92	9,075.00	9,095.00	20.00	21.82	Sliding							
01 Sep 2021	03:11	03:25	0.23	9,095.00	9,157.00	62.00	265.71	Rotating							
01 Sep 2021	03:25	03:28	0.05	9,157.00	9,157.00			Survey & Connection							
01 Sep 2021	03:28	03:53	0.42	9,157.00	9,249.00	92.00	220.80	Rotating							
01 Sep 2021	03:53	03:56	0.05	9,249.00	9,249.00			Survey & Connection							
01 Sep 2021	03:56	04:02	0.10	9,249.00	9,274.00	25.00	250.00	Rotating							
01 Sep 2021	04:02	04:05	0.05	9,274.00	9,274.00			Survey & Connection							
01 Sep 2021	04:05	05:24	1.32	9,274.00	9,274.00			Circulate and/or Condition Mud							
01 Sep 2021	05:24	07:23	1.98	9,274.00	9,274.00			Short Trip Out							
01 Sep 2021	07:23	08:02	0.65	9,274.00	9,274.00			Circulate and/or Condition Mud							
01 Sep 2021	08:02	08:30	0.47	9,274.00	9,274.00			Short Trip In	TIH T/ 8933'						
01 Sep 2021	08:30	12:00	3.50	9,274.00	9,274.00			Circulate and/or Condition Mud	Wash / Ream F/ 8933' T/ 9274'						
01 Sep 2021	12:00	16:30	4.50	9,274.00	9,274.00			Tripping Out							
01 Sep 2021	16:30	17:45	1.25	9,274.00	9,274.00			Change BHA							

Slide Sheet															
Bit Depth (ft)	Survey Depth (ft)	Incl. (°)	(True) Azimuth (°)	Vertical Depth (ft)	Dogleg Rate (°/100ft)	Calc'd Toolface (°)	Build Rate (°/100ft)	Build Seen (°/ft)	Turn Rate (°/100ft)	Slide Seen (ft)	Motor Output (°/100ft)	Motor Output (°/ft)	Slide Length (ft)	Toolface Orient (°)	Rotate Length (ft)
BHA #1 Vertical															
382.00	382.00	0.00	0.00	382.00	0.00	0.00	0.00								
470.00	404.00	0.58	225.44	404.00	2.64	-134.66	2.64								88.00
507.00	444.00	0.35	227.70	444.00	0.58	176.57	-0.58		5.65				12.00	-102	25.00
599.00	536.00	3.73	262.62	535.93	3.75	38.25	3.67	0.46	37.96	24.00	14.37	0.14	12.00	-102	80.00
691.00	628.00	5.65	261.21	627.62	2.09	-4.14	2.09		-1.53						92.00
784.00	721.00	7.58	264.82	719.99	2.12	13.96	2.08	0.79	3.88	8.00	24.67	0.25	8.00	-102	85.00
876.00	813.00	7.99	261.20	811.14	0.69	-51.90	0.45		-3.93						92.00



DJR Operating

DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 508H

Slide Sheet															
Bit Depth (ft)	Survey Depth (ft)	Incl. (°)	(True) Azimuth (°)	Vertical Depth (ft)	Dogleg Rate (°/100ft)	Calc'd Toolface (°)	Build Rate (°/100ft)	Build Seen (°/ft)	Turn Rate (°/100ft)	Slide Seen (ft)	Motor Output (°/100ft)	Motor Output (°/ft)	Slide Length (ft)	Toolface Orient (°)	Rotate Length (ft)
967.00	904.00	8.23	264.99	901.24	0.64	67.71	0.26		4.16						91.00
1,061.00	998.00	8.41	259.98	994.25	0.79	-78.54	0.19	0.12	-5.33	5.00	14.93	0.15	5.00	-90	89.00
1,151.00	1,088.00	8.45	257.88	1,083.27	0.34	-83.64	0.04		-2.33						90.00
1,241.00	1,178.00	8.65	261.30	1,172.28	0.61	70.22	0.22		3.80						90.00
1,332.00	1,269.00	8.11	254.29	1,262.31	1.27	-121.30	-0.59	-0.35	-7.70	5.00	23.09	0.23	5.00	-120	86.00
1,423.00	1,360.00	8.78	254.10	1,352.32	0.74	-2.48	0.74		-0.21						91.00
1,517.00	1,454.00	6.94	248.43	1,445.43	2.12	-159.94	-1.96		-6.03						94.00
1,608.00	1,545.00	7.12	240.82	1,535.75	1.04	-82.85	0.20		-8.36						91.00
1,699.00	1,636.00	7.09	257.31	1,626.06	2.23	99.02	-0.03	-0.01	18.12	10.00	20.33	0.20	10.00	90	81.00
1,788.00	1,725.00	7.11	255.76	1,714.38	0.22	-84.81	0.02		-1.74						89.00
1,880.00	1,817.00	7.47	254.29	1,805.64	0.44	-28.12	0.39		-1.60						92.00
1,974.00	1,911.00	7.36	262.63	1,898.85	1.15	99.96	-0.12	-0.04	8.87	10.00	10.81	0.11	10.00	90	84.00
2,069.00	2,006.00	7.88	260.01	1,993.01	0.66	-35.05	0.55		-2.76						95.00
2,164.00	2,101.00	8.03	261.38	2,087.10	0.25	52.33	0.16		1.44						95.00
2,259.00	2,196.00	8.70	261.22	2,181.09	0.71	-2.07	0.71		-0.17						95.00
2,354.00	2,291.00	9.09	262.30	2,274.94	0.45	23.71	0.41		1.14						95.00
2,449.00	2,386.00	9.66	259.21	2,368.68	0.80	-42.98	0.60		-3.25						95.00
2,544.00	2,481.00	9.18	265.90	2,462.40	1.26	116.95	-0.51	-0.16	7.04	10.00	11.95	0.12	10.00	150	85.00
2,639.00	2,576.00	9.33	263.55	2,556.16	0.43	-69.52	0.16		-2.47						95.00
2,734.00	2,671.00	7.89	266.77	2,650.09	1.60	163.08	-1.52	-0.39	3.39	12.00	12.65	0.13	12.00	160	83.00
2,828.00	2,765.00	7.44	263.34	2,743.25	0.68	-136.22	-0.48		-3.65						94.00
2,923.00	2,860.00	7.59	261.03	2,837.43	0.36	-64.74	0.16		-2.43						95.00
3,018.00	2,955.00	6.55	266.74	2,931.71	1.32	148.76	-1.09	-0.38	6.01	9.00	13.93	0.14	9.00	170	86.00
3,113.00	3,050.00	6.53	266.19	3,026.09	0.07	-107.98	-0.02		-0.58						95.00
3,208.00	3,145.00	6.32	258.36	3,120.50	0.95	-107.35	-0.22		-8.24						95.00
3,303.00	3,240.00	7.09	260.25	3,214.85	0.84	16.93	0.81		1.99						95.00
3,398.00	3,335.00	6.71	256.00	3,309.16	0.67	-128.76	-0.40		-4.47						95.00
3,494.00	3,431.00	6.87	259.63	3,404.49	0.48	71.36	0.17		3.78						96.00
3,588.00	3,525.00	6.60	257.11	3,497.84	0.43	-133.66	-0.29		-2.68						94.00
3,683.00	3,620.00	6.31	256.16	3,592.24	0.33	-160.25	-0.31		-1.00						95.00
3,778.00	3,715.00	7.39	258.87	3,686.56	1.19	18.01	1.14	0.39	2.85	9.00	12.52	0.13	9.00	20	86.00
3,873.00	3,810.00	7.19	253.80	3,780.79	0.71	-109.77	-0.21		-5.34						95.00
4,063.00	3,905.00	6.76	255.21	3,875.09	0.49	158.99	-0.45		1.48						190.00
4,063.00	4,000.00	6.01	251.99	3,969.50	0.87	-156.07	-0.79		-3.39						
BHA #2 Curve															
4,063.00	4,000.00	6.01	251.99	3,969.52	0.95	0.00	0.00								
4,140.00	4,083.00	5.78	267.13	4,052.09	1.89	105.90	-0.28	-0.08	18.24	10.00	15.67	0.16	12.00	35	65.00
4,235.00	4,178.00	9.17	229.62	4,146.32	6.07	-74.81	3.57	0.36	-39.48	31.00	18.62	0.19	86.00	-80	9.00
4,330.00	4,273.00	16.23	172.98	4,239.25	14.21	-90.32	7.43	0.24	-59.62	95.00	14.21	0.14	60.00	-100	35.00
4,425.00	4,368.00	24.31	157.90	4,328.35	10.06	-40.15	8.51	0.44	-15.87	60.00	15.93	0.16	54.00	-30	41.00
4,521.00	4,464.00	28.64	151.08	4,414.28	5.50	-38.17	4.51	0.29	-7.10	49.00	10.78	0.11	33.00	-40	63.00
4,616.00	4,559.00	33.59	145.05	4,495.61	6.15	-34.81	5.21	0.43	-6.35	38.00	15.38	0.15	70.00	-40	25.00
4,711.00	4,654.00	40.98	137.86	4,571.18	9.02	-33.43	7.78	0.35	-7.57	70.00	12.24	0.12	40.00	-20	55.00
4,806.00	4,749.00	44.83	132.68	4,640.77	5.49	-44.41	4.05	0.32	-5.45	40.00	13.05	0.13	54.00	-20	41.00
4,901.00	4,844.00	50.81	132.25	4,704.53	6.30	-3.20	6.29	0.36	-0.45	54.00	11.09	0.11	66.00	0	29.00
4,996.00	4,939.00	60.92	133.36	4,757.77	10.69	5.51	10.64	0.50	1.17	66.00	15.38	0.15	85.00	0	10.00
5,091.00	5,034.00	75.08	134.55	4,793.27	14.95	4.69	14.91	0.57	1.25	81.00	17.53	0.18	34.00	-5	61.00
5,186.00	5,129.00	74.82	135.01	4,817.94	0.54	120.40	-0.27		0.48						95.00
5,272.00	5,215.00	81.18	133.60	4,835.81	7.57	-12.39	7.40	0.72	-1.64	29.00	22.44	0.22	66.00	-30	20.00
BHA #3 Lateral															
5,272.00	5,215.00	81.18	133.60	4,835.81	0.00	0.00	0.00								
5,380.00	5,313.00	85.47	134.08	4,847.18	4.40	6.37	4.38		0.49						108.00
5,482.00	5,405.00	86.53	134.08	4,853.59	1.15	0.00	1.15	0.70		5.00	21.20	0.21	20.00	-20	82.00
5,564.00	5,497.00	87.49	132.67	4,858.39	1.85	-55.75	1.04	0.21	-1.53	15.00	11.36	0.11			82.00
5,657.00	5,590.00	89.87	131.62	4,860.54	2.80	-23.81	2.56	0.98	-1.13	8.00	32.51	0.33	20.00	-20	73.00
5,750.00	5,683.00	88.99	130.56	4,861.46	1.48	-129.70	-0.95	-0.24	-1.14	12.00	11.48	0.11			93.00
5,842.00	5,775.00	93.39	132.85	4,859.55	5.39	27.47	4.78	0.80	2.49	18.00	27.55	0.28	18.00	30	74.00
5,934.00	5,867.00	93.21	131.62	4,854.25	1.35	-98.30	-0.20	-0.12	-1.34	5.00	24.82	0.25	10.00	150	82.00
6,027.00	5,960.00	91.89	134.08	4,850.12	3.00	118.18	-1.42	-0.25	2.65	17.00	16.41	0.16	12.00	140	81.00
6,119.00	6,052.00	92.33	134.25	4,846.73	0.51	21.11	0.48		0.18				12.00	130	80.00
6,211.00	6,144.00	91.54	136.54	4,843.62	2.63	109.00	-0.86	-0.22	2.49	12.00	20.18	0.20	14.00	-170	78.00



DJR Operating
DJR, Bettonie Tsosie Unit

End of Well Report for G34 2308 Pad, # 508H

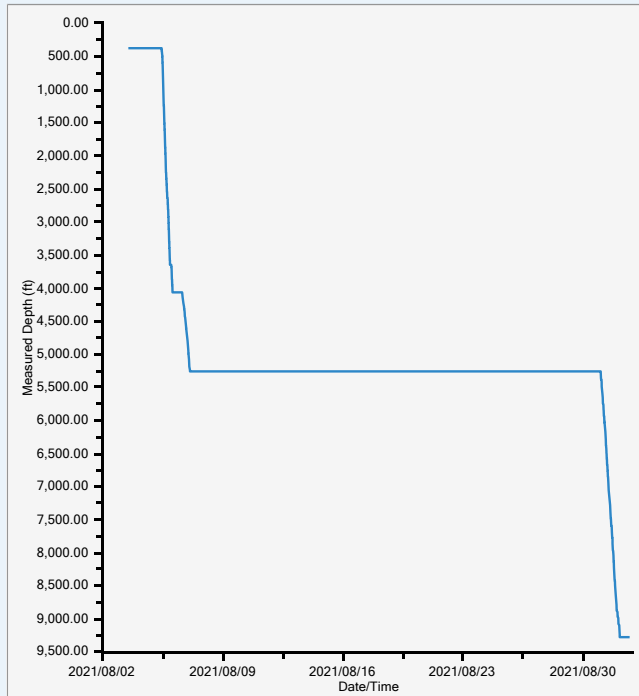
Slide Sheet															
Bit Depth (ft)	Survey Depth (ft)	Incl. (°)	(True) Azimuth (°)	Vertical Depth (ft)	Dogleg Rate (°/100ft)	Calc'd Toolface (°)	Build Rate (°/100ft)	Build Seen (°/ft)	Turn Rate (°/100ft)	Slide Seen (ft)	Motor Output (°/100ft)	Motor Output (°/ft)	Slide Length (ft)	Toolface Orient (°)	Rotate Length (ft)
6,303.00	6,236.00	88.81	136.36	4,843.34	2.97	-176.23	-2.97	-0.64	-0.20	14.00	19.54	0.20			92.00
6,395.00	6,328.00	87.93	135.48	4,845.96	1.35	-135.02	-0.96		-0.96						92.00
6,486.00	6,419.00	87.67	135.48	4,849.45	0.29	180.00	-0.29	-0.14		6.00	4.33	0.04	6.00	20	85.00
6,578.00	6,511.00	90.04	135.48	4,851.29	2.58	0.00	2.58	0.49		16.00	14.81	0.15	16.00	20	76.00
6,670.00	6,603.00	89.08	133.37	4,852.00	2.52	-114.47	-1.04		-2.29						92.00
6,762.00	6,695.00	89.52	133.20	4,853.12	0.51	-21.12	0.48	0.10	-0.18	14.00	3.37	0.03	14.00	30	78.00
6,853.00	6,786.00	91.54	134.25	4,852.28	2.50	27.46	2.22	0.60	1.15	11.00	20.70	0.21	16.00	50	75.00
6,946.00	6,879.00	91.54	133.90	4,849.78	0.38	-90.00	0.00	0.00	-0.38	5.00	7.00	0.07			93.00
7,038.00	6,971.00	91.01	133.02	4,847.73	1.12	-121.06	-0.58		-0.96						92.00
7,130.00	7,063.00	89.96	132.67	4,846.95	1.20	-161.56	-1.14		-0.38						92.00
7,222.00	7,155.00	90.31	134.25	4,846.74	1.76	77.51	0.38	0.08	1.72	14.00	11.56	0.12	22.00	90	70.00
7,313.00	7,246.00	91.80	137.24	4,845.06	3.67	63.49	1.64	0.27	3.29	18.00	18.56	0.19	16.00	80	75.00
7,405.00	7,338.00	91.45	136.89	4,842.45	0.54	-135.01	-0.38	-0.19	-0.38	6.00	8.25	0.08			92.00
7,499.00	7,432.00	91.36	136.71	4,840.15	0.21	-116.57	-0.10		-0.19						94.00
7,591.00	7,524.00	90.84	135.48	4,838.38	1.45	-112.91	-0.57		-1.34						92.00
7,683.00	7,616.00	91.63	136.01	4,836.40	1.03	33.85	0.86	0.26	0.58	10.00	9.51	0.10	10.00	70	82.00
7,775.00	7,708.00	90.92	135.84	4,834.35	0.79	-166.54	-0.77		-0.18						92.00
7,867.00	7,800.00	90.75	134.96	4,833.01	0.97	-100.93	-0.18		-0.96						92.00
7,960.00	7,893.00	90.40	134.43	4,832.08	0.68	-123.44	-0.38		-0.57						93.00
8,052.00	7,985.00	91.01	136.54	4,830.94	2.39	73.86	0.66	0.15	2.29	13.00	16.89	0.17	13.00	70	79.00
8,144.00	8,077.00	91.01	136.89	4,829.32	0.38	90.00	0.00		0.38						92.00
8,236.00	8,169.00	90.57	136.54	4,828.05	0.61	-141.50	-0.48		-0.38						92.00
8,328.00	8,261.00	90.84	136.89	4,826.92	0.48	52.35	0.29		0.38						92.00
8,420.00	8,353.00	90.48	136.54	4,825.86	0.55	-135.81	-0.39		-0.38						92.00
8,512.00	8,445.00	91.36	136.54	4,824.39	0.96	0.00	0.96	0.41		7.00	12.57	0.13	7.00	30	85.00
8,604.00	8,537.00	90.31	136.71	4,823.04	1.16	170.80	-1.14		0.18						92.00
8,697.00	8,630.00	92.15	135.31	4,821.05	2.49	-37.25	1.98	0.46	-1.51	13.00	17.78	0.18	13.00	30	80.00
8,788.00	8,721.00	92.33	134.25	4,817.49	1.18	-80.33	0.20		-1.16						91.00
8,880.00	8,813.00	88.20	131.09	4,817.07	5.65	-142.56	-4.49		-3.43						92.00
8,973.00	8,906.00	90.57	128.98	4,818.06	3.41	-41.69	2.55	0.39	-2.27	20.00	15.86	0.16	20.00	30	73.00
9,065.00	8,998.00	92.68	129.86	4,815.46	2.48	22.62	2.29	0.46	0.96	15.00	15.24	0.15	17.00	70	75.00
9,157.00	9,090.00	94.00	131.44	4,810.10	2.24	50.03	1.43	0.25	1.72	17.00	12.10	0.12	20.00	90	72.00
9,249.00	9,182.00	96.29	133.90	4,801.84	3.65	46.83	2.49	1.50	2.67	5.00	67.07	0.67			92.00
9,274.00	9,207.00	96.11	133.55	4,799.14	1.57	-117.33	-0.72		-1.40						25.00



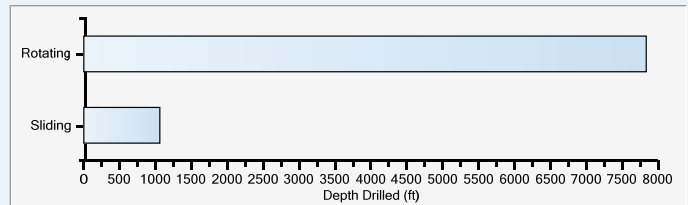
DJR Operating DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 508H

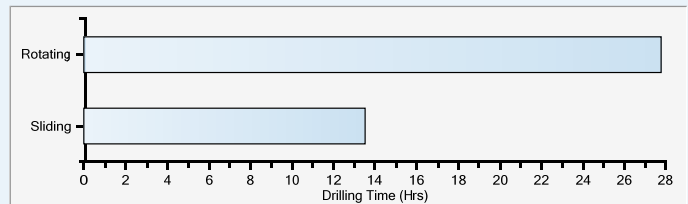
Time vs Depth



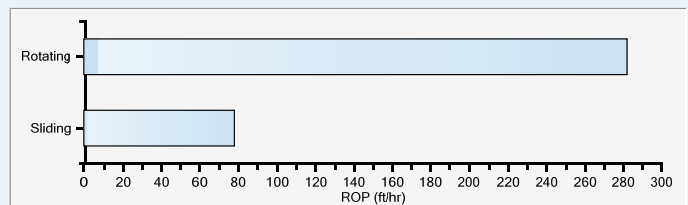
Depth Drilled



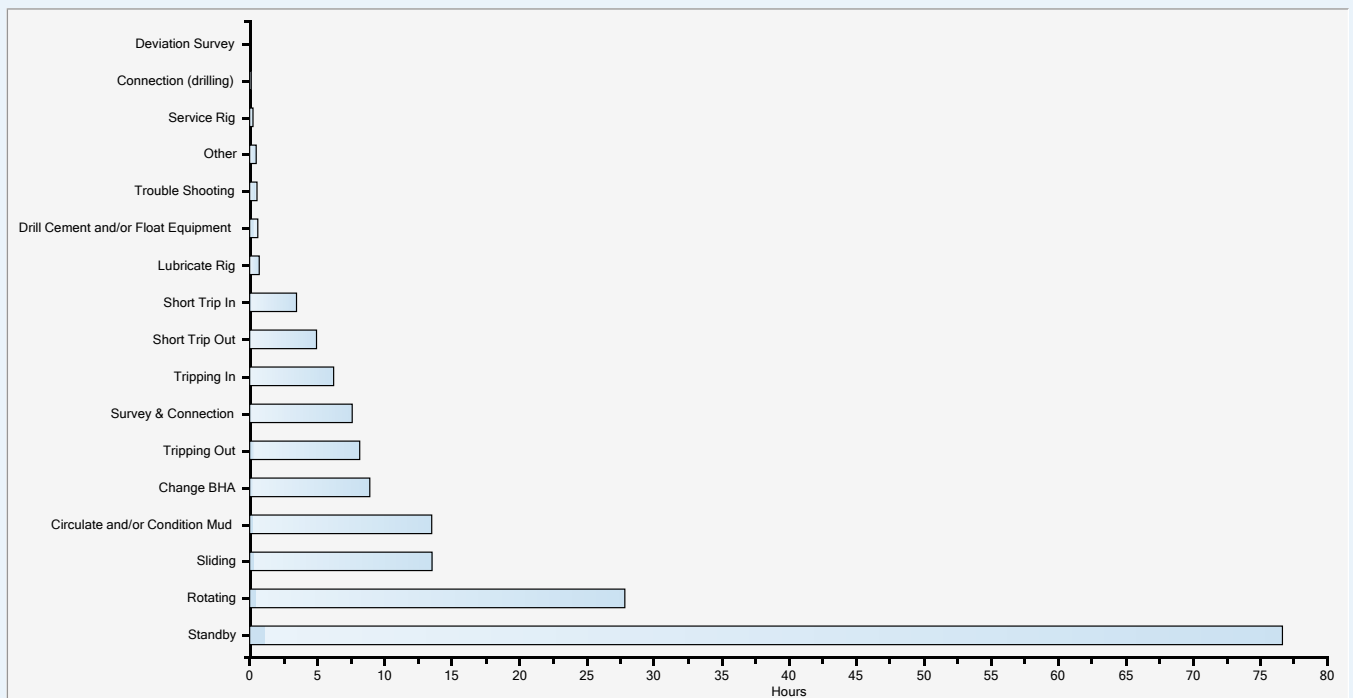
Drilling Time



Average Rate of Penetration



Activity





DJR Operating
DJR, Betonnie Tsosie Unit

End of Well Report for G34 2308 Pad, # 508H

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Client Representative:	Scientific Drilling Representative:	Scientific Drilling Directional Coordinator:	Scientific Drilling Manager:



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Janie Collins

Directional Drillers:
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MWD Operators:
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7237 Barton Drive
Casper, WY 82604
(307) 472-6621

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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 91104

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 91104
	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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
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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

CONDITIONS

Action 91104

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 91104
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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