

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 200 Energy Court Farmington, NM 87401		² OGRID Number 371838	
		³ Reason for Filing Code/ Effective Date RT	
⁴ API Number 30-045-38331	⁵ Pool Name Betonnies Tsoie Wash Unit Mancos Oil		⁶ Pool Code 98175
⁷ Property Code 325179	⁸ Property Name Betonnies Tsoie Wash Unit		⁹ Well Number 402H

II. ¹⁰ Surface Location

UL or lot no. H	Section 28	Township 23N	Range 08W	Lot Idn	Feet from the 1657'	North/South line North	Feet from the 479'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. E	Section 21	Township 23N	Range 08W	Lot Idn	Feet from the 2466'	North/South line North	Feet from the 226'	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 6500 Townbridge Drive, El Paso, TX 79905	O
151618	Enterprise Field Services, LLC Post Office Box 4503, Houston, TX 77001	G

IV. Well Completion Data

²¹ Spud Date 2/12/2024	²² Ready Date 5/23/2024	²³ TD 11,231' MD 4,974' TVD	²⁴ PBTD 11,199' MD 4,974' TVD	²⁵ Perforations 11,153' – 5,300' MD 4,974' – 4,925' TVD FracSleeve @ 11,178'	²⁶ DHC, MC	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
12.25"		9.625" 36# J55		353'		109
8.75"		7" 26# J55		5,198'		621
6.125"		4.5" 11.6# P110		11,211		514

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Shaw-Marie Ford</i>		OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i>	
Printed name: Shaw-Marie Ford		Title: <i>PETROLEUM SPECIALIST</i>	
Title: Regulatory Specialist		Approval Date: <i>6/3/2024</i>	
E-mail Address: sford@enduringresources.com		<i>RT EXPIRES 8/23/2024</i>	
Date: 5/2/2024	Phone: 505-716-3297		

DISTRICT I

1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-8181 Fax: (575) 393-0720

DISTRICT II

811 E. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-0720

DISTRICT III

1000 Rio Brason 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) 476-3480 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38331		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 402H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC		⁹ Elevation 6864'

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
H	28	23N	8W		1657'	NORTH	479'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

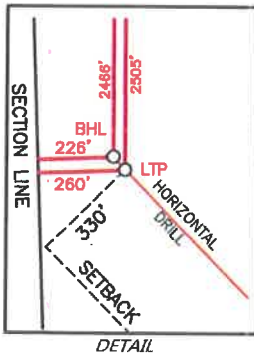
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	21	23N	8W		2466'	NORTH	226'	WEST	SAN JUAN

¹² Dedicated Acres SEC 28: NW/4 & NE/NW (200 AC.); SEC 21: SW/SE, SW/4 SW/NW (240 AC.) = 440 ACRES	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
			R-13930 R-13930A

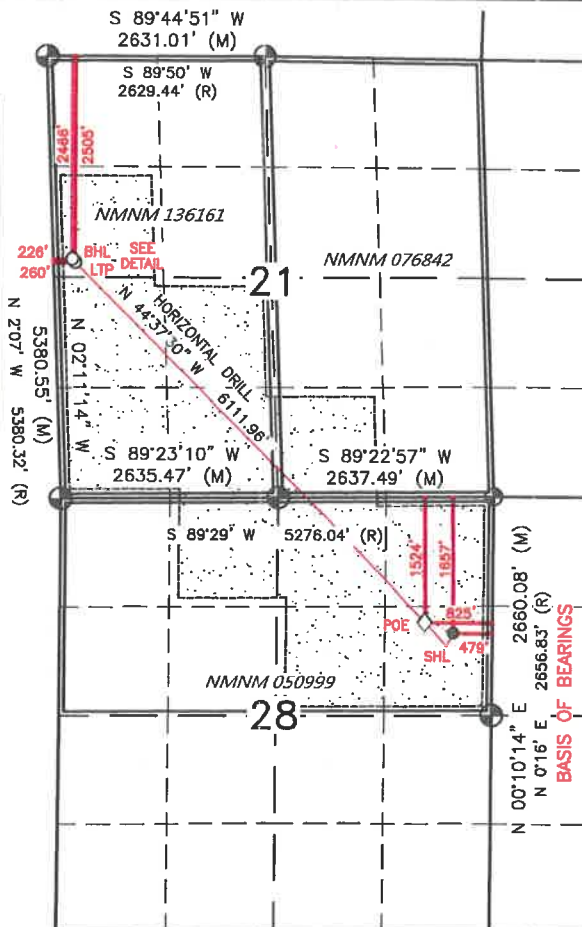
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

18

FND 2 1/4" BC
GLO 1947



- SURFACE LOCATION (SHL)**
1657' FNL 479' FEL
SEC. 28, T23N, R8W
LAT. 36.200859° N (NAD83)
LONG. 107.679369° W (NAD83)
- FIRST TAKE POINT (FTP)**
1524' FNL 825' FEL
SEC. 28, T23N, R8W
LAT. 36.201015° N (NAD83)
LONG. 107.680538° W (NAD83)
- LAST TAKE POINT (LTP)**
2505' FNL 260' FWL
SEC. 21, T23N, R8W
LAT. 36.212982° N (NAD83)
LONG. 107.695069° W (NAD83)
- BOTTOM HOLE LOCATION (BHL)**
2466' FNL 226' FWL
SEC. 21, T23N, R8W
LAT. 36.213090° N (NAD83)
LONG. 107.695189° W (NAD83)

**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 4/29/24
Signature Date

Shaw-Marie Ford
Printed Name
sford@enduringresources.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.

APRIL 8, 2024

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number 11393



Well: **Betonnie Tsosie Wash Unit 402H**
Site: **Betonnie Tsosie Wash Unit (401, 402 & 732)**
Project: **San Juan County, New Mexico NAD83 NM W**
Design: **rev0**
Rig: **Aztec 1000**

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
420.00	0.85	166.810	419.98	-3.03	0.71	-2.66	MWD surveys
5057.00	69.85	315.860	4880.00	128.94	-345.10	334.35	FTP @ 5057.00 MD 4880.00 TVD
5198.00	80.25	317.481	4912.54	229.03	-438.53	471.23	9 5/8" Casing shoe @ 5198.00 MD 4912.54 TVD
11165.00	90.90	317.920	4975.25	4469.30	-4629.81	6433.33	Survey @ 11165.00 MD 4975.25 TVD
11178.00	90.90	317.920	4975.04	4478.95	-4638.52	6446.32	LTP @ 11178.00 MD 4975.04 TVD
11187.00	90.90	317.920	4974.90	4485.63	-4644.56	6455.31	330 ppd @ 11187.00 MD 4974.90 TVD
11231.00	90.90	317.920	4974.21	4518.28	-4674.04	6499.26	Survey proj. to 11231 MD 4974.21 TVD 2462 FNL 225 FWL

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Western Zone
System Datum: Mean Sea Level
Depth Reference: RKB=6864+25 @ 6889.00ft (Aztec 1000)

Surface location:
Northing 1892373.38 Easting 2768516.74 Latitude 36.20065900 Longitude -107.67936900

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.39°

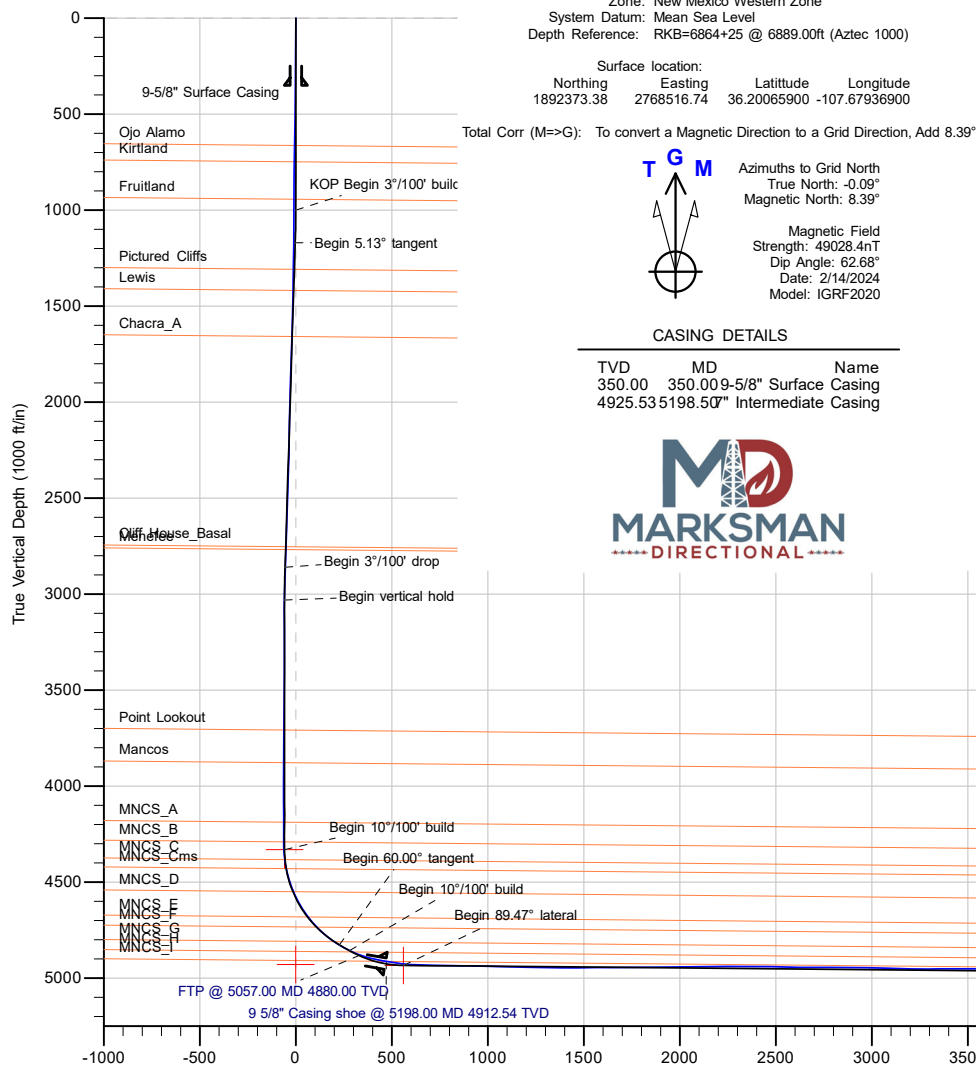


Azimuths to Grid North
True North: -0.09°
Magnetic North: 8.39°

Magnetic Field
Strength: 49028.4nT
Dip Angle: 62.68°
Date: 2/14/2024
Model: IGRF2020

CASING DETAILS

TVD	MD	Name
350.00	350.00	9-5/8" Surface Casing
4925.53	5198.50	Intermediate Casing



14:11, March 16 2024

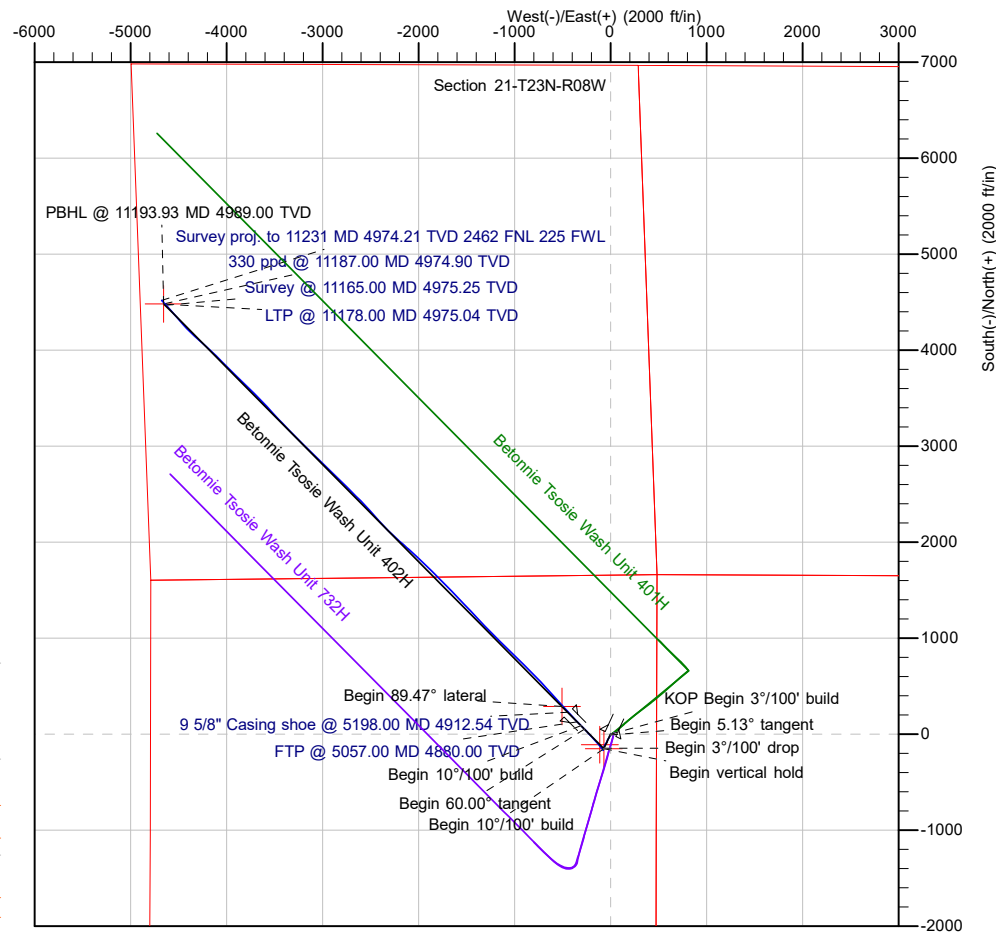
Vertical Section at 315.313° (1000 ft/in)

Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	
2	1000.00	0.00	0.000	1000.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 3"/100' build
3	1170.86	5.13	204.742	1170.63	-6.94	-3.20	3.00	204.74	-2.68	Begin 5.13" tangent
4	2867.67	5.13	204.742	2860.65	-144.61	-66.64	0.00	0.00	-55.95	Begin 3"/100' drop
5	3038.52	0.00	0.000	3031.28	-151.55	-69.84	3.00	180.00	-58.63	Begin vertical hold
6	4338.52	0.00	0.000	4331.28	-151.55	-69.84	0.00	0.00	-58.63	Begin 10"/100' build
7	4938.52	60.00	315.313	4827.48	52.12	-271.30	10.00	315.31	227.85	Begin 60.00" tangent
8	4998.52	60.00	315.313	4857.48	89.07	-307.84	0.00	0.00	279.81	Begin 10"/100' build
9	5293.20	89.47	315.313	4934.21	288.96	-505.56	10.00	0.00	560.97	Begin 89.47" lateral
10	11193.93	89.47	315.313	4989.00	4483.93	-4655.00	0.00	0.00	6461.45	PBHL @ 11193.93 MD 4989.00 TVD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Betonnie Tsosie 402H BHL 2500 FNL 243 FWL 330 ppd	4989.00	4483.93	-4655.00	1896857.30	2763861.75	36.21299600	-107.69512500
Betonnie Tsosie 402H FTP 1363 FNL 986 FEL	4934.21	288.96	-505.56	1892662.34	2768011.19	36.20145500	-107.68108100
Betonnie Tsosie 402H vert	4331.28	-151.55	-69.84	1892221.83	2768446.90	36.20024298	-107.67960653
Betonnie Tsosie 402H VS=0	4929.00	-109.86	-111.06	1892263.52	2768405.68	36.20035769	-107.67974602



LTP @ 11178.00 MD 4975.04 TVD
Survey @ 11165.00 MD 4975.25 TVD
330 ppd @ 11187.00 MD 4974.90 TVD

PBHL @ 11193.93 MD 4989.00 TVD
Survey proj. to 11231 MD 4974.21 TVD 2462 FNL 225 FWL



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 402H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (401, 402 & 732)	MD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 402H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Mar0724_v17

Project	San Juan County, New Mexico NAD83 NM W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site						Betonnie Tsosie Wash Unit (401, 402 & 732)											
Site Position:			Northing:			1,892,379.97 usft			Latitude:			36.20067700					
From:			Lat/Long			Easting:			2,768,535.62 usft			Longitude:			-107.67930500		
Position Uncertainty:			0.00 ft			Slot Radius:			13-3/16 "								

Well	Betonnie Tsosie Wash Unit 402H, Surf loc: 1657 FNL 479 FEL Section 28-T23N-R08W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,373.38 usft	Latitude:	36.20065900
	+E/-W	0.00 ft	Easting:	2,768,516.74 usft	Longitude:	-107.67936900
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,864.00 ft
Grid Convergence:		0.09 °				

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2/14/2024	8.48	62.68	49,028.40927139

Design	MWD surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	315.313	

Survey Program	Date	3/16/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
420.00	5,152.00	MWD int (Original Hole)	UNKNOWN	OWSG UNKNOWN	
5,253.00	11,165.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
11,231.00	11,231.00	Projection (Original Hole)	MWD	OWSG MWD - Standard	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
420.00	0.85	166.810	419.98	-3.03	0.71	-2.66	0.20	0.20	0.00	
MWD surveys										
515.00	1.01	172.650	514.97	-4.55	0.98	-3.92	0.20	0.17	6.15	
610.00	1.05	172.640	609.96	-6.24	1.20	-5.28	0.04	0.04	-0.01	
705.00	1.04	170.960	704.94	-7.96	1.44	-6.67	0.03	-0.01	-1.77	
800.00	1.38	161.270	799.92	-9.89	1.95	-8.40	0.42	0.36	-10.20	
894.00	0.19	85.420	893.91	-10.95	2.47	-9.52	1.43	-1.27	-80.69	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 402H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (401, 402 & 732)	MD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 402H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Mar0724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
989.00	0.07	208.740	988.91	-10.99	2.60	-9.64	0.25	-0.13	129.81
1,084.00	2.39	216.940	1,083.88	-12.62	1.38	-9.94	2.44	2.44	8.63
1,175.00	4.89	220.920	1,174.69	-17.07	-2.30	-10.52	2.76	2.75	4.37
1,269.00	4.67	215.300	1,268.36	-23.22	-7.14	-11.49	0.55	-0.23	-5.98
1,361.00	4.89	211.920	1,360.04	-29.61	-11.38	-13.05	0.39	0.24	-3.67
1,451.00	4.81	210.960	1,449.72	-36.10	-15.35	-14.87	0.13	-0.09	-1.07
1,542.00	3.91	208.350	1,540.46	-42.10	-18.78	-16.72	1.01	-0.99	-2.87
1,632.00	5.64	209.680	1,630.14	-48.65	-22.43	-18.81	1.93	1.92	1.48
1,722.00	5.56	207.640	1,719.71	-56.35	-26.64	-21.33	0.24	-0.09	-2.27
1,812.00	5.19	202.720	1,809.32	-63.97	-30.24	-24.21	0.66	-0.41	-5.47
1,902.00	4.81	201.850	1,898.98	-71.22	-33.21	-27.28	0.43	-0.42	-0.97
1,994.00	4.27	200.200	1,990.69	-78.02	-35.83	-30.27	0.60	-0.59	-1.79
2,089.00	5.83	216.070	2,085.32	-85.24	-39.89	-32.55	2.19	1.64	16.71
2,183.00	5.82	214.990	2,178.83	-93.00	-45.44	-34.17	0.12	-0.01	-1.15
2,278.00	6.01	216.820	2,273.33	-100.93	-51.18	-35.76	0.28	0.20	1.93
2,373.00	6.03	206.330	2,367.81	-109.38	-56.38	-38.12	1.16	0.02	-11.04
2,468.00	5.83	208.070	2,462.30	-118.11	-60.86	-41.18	0.28	-0.21	1.83
2,562.00	5.80	206.130	2,555.81	-126.59	-65.20	-44.15	0.21	-0.03	-2.06
2,657.00	5.37	205.320	2,650.36	-134.92	-69.21	-47.25	0.46	-0.45	-0.85
2,752.00	5.22	204.150	2,744.96	-142.88	-72.88	-50.33	0.19	-0.16	-1.23
2,846.00	4.92	204.250	2,838.59	-150.46	-76.29	-53.32	0.32	-0.32	0.11
2,941.00	3.46	188.500	2,933.34	-157.01	-78.38	-56.50	1.94	-1.54	-16.58
3,035.00	1.56	158.480	3,027.25	-161.00	-78.33	-59.38	2.39	-2.02	-31.94
3,130.00	0.35	352.110	3,122.24	-161.92	-77.90	-60.34	2.00	-1.27	-175.13
3,225.00	0.29	18.320	3,217.23	-161.40	-77.86	-59.99	0.16	-0.06	27.59
3,320.00	0.18	289.980	3,312.23	-161.12	-77.93	-59.75	0.35	-0.12	-92.99
3,415.00	0.13	214.170	3,407.23	-161.16	-78.13	-59.64	0.20	-0.05	-79.80
3,510.00	0.38	191.450	3,502.23	-161.56	-78.25	-59.83	0.28	0.26	-23.92
3,604.00	0.72	184.170	3,596.23	-162.45	-78.36	-60.40	0.37	0.36	-7.74
3,699.00	0.69	121.550	3,691.22	-163.35	-77.91	-61.34	0.77	-0.03	-65.92
3,793.00	0.64	118.460	3,785.22	-163.90	-76.97	-62.40	0.07	-0.05	-3.29
3,888.00	0.69	143.170	3,880.21	-164.61	-76.16	-63.47	0.30	0.05	26.01
3,983.00	0.55	285.170	3,975.21	-164.94	-76.26	-63.64	1.24	-0.15	149.47
4,078.00	0.55	247.360	4,070.20	-165.00	-77.12	-63.08	0.38	0.00	-39.80
4,173.00	0.64	237.060	4,165.20	-165.46	-77.98	-62.80	0.15	0.09	-10.84
4,267.00	0.83	250.820	4,259.19	-165.97	-79.07	-62.40	0.27	0.20	14.64
4,299.00	0.79	245.440	4,291.19	-166.14	-79.49	-62.22	0.27	-0.13	-16.81
4,330.00	1.61	304.260	4,322.18	-165.99	-80.04	-61.72	4.45	2.65	189.74
4,362.00	4.53	327.510	4,354.13	-164.67	-81.09	-60.04	9.74	9.13	72.66
4,394.00	7.61	329.940	4,385.95	-161.77	-82.83	-56.76	9.66	9.63	7.59
4,425.00	10.48	328.800	4,416.56	-157.58	-85.32	-52.03	9.28	9.26	-3.68
4,457.00	13.55	328.110	4,447.86	-151.90	-88.81	-45.54	9.60	9.59	-2.16
4,488.00	16.70	327.050	4,477.78	-145.08	-93.15	-37.64	10.20	10.16	-3.42



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 402H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (401, 402 & 732)	MD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 402H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Mar0724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,520.00	19.49	324.210	4,508.19	-136.89	-98.78	-27.86	9.14	8.72	-8.88
4,552.00	22.00	320.550	4,538.12	-127.93	-105.71	-16.62	8.82	7.84	-11.44
4,583.00	24.75	318.070	4,566.57	-118.62	-113.74	-4.35	9.42	8.87	-8.00
4,614.00	27.80	318.290	4,594.37	-108.39	-122.88	9.36	9.84	9.84	0.71
4,646.00	30.43	319.230	4,622.32	-96.68	-133.14	24.90	8.34	8.22	2.94
4,678.00	33.28	319.480	4,649.50	-83.87	-144.14	41.74	8.92	8.91	0.78
4,710.00	36.26	319.490	4,675.78	-69.99	-156.00	59.94	9.31	9.31	0.03
4,741.00	39.04	318.570	4,700.32	-55.70	-168.41	78.83	9.15	8.97	-2.97
4,773.00	42.36	318.310	4,724.58	-40.09	-182.26	99.67	10.39	10.38	-0.81
4,804.00	45.81	317.190	4,746.84	-24.13	-196.76	121.21	11.41	11.13	-3.61
4,836.00	49.16	316.100	4,768.47	-6.99	-212.95	144.79	10.77	10.47	-3.41
4,868.00	52.79	316.120	4,788.61	10.92	-230.19	169.64	11.34	11.34	0.06
4,899.00	55.84	315.540	4,806.69	28.98	-247.73	194.82	9.96	9.84	-1.87
4,931.00	58.62	316.040	4,824.01	48.27	-266.49	221.72	8.79	8.69	1.56
4,963.00	60.45	315.920	4,840.24	68.10	-285.65	249.30	5.73	5.72	-0.38
4,994.00	63.18	315.500	4,854.88	87.66	-304.73	276.62	8.89	8.81	-1.35
5,025.00	66.40	315.600	4,868.08	107.68	-324.37	304.66	10.39	10.39	0.32
5,057.00	69.85	315.860	4,880.00	128.94	-345.10	334.35	10.81	10.78	0.81
FTP @ 5057.00 MD 4880.00 TVD									
5,089.00	73.27	316.380	4,890.12	150.82	-366.14	364.70	10.80	10.69	1.62
5,120.00	76.61	317.130	4,898.17	172.62	-386.64	394.62	11.02	10.77	2.42
5,152.00	80.02	317.440	4,904.65	195.64	-407.89	425.94	10.70	10.66	0.97
5,198.00	80.25	317.481	4,912.54	229.03	-438.53	471.23	0.50	0.50	0.09
9 5/8" Casing shoe @ 5198.00 MD 4912.54 TVD									
5,253.00	80.52	317.530	4,921.72	269.02	-475.17	525.41	0.50	0.50	0.09
5,347.00	88.51	317.420	4,930.70	337.92	-538.36	618.84	8.50	8.50	-0.12
5,441.00	88.53	318.800	4,933.13	407.87	-601.10	712.69	1.47	0.02	1.47
5,535.00	88.57	316.640	4,935.51	477.39	-664.32	806.58	2.30	0.04	-2.30
5,630.00	89.17	318.260	4,937.38	547.36	-728.54	901.49	1.82	0.63	1.71
5,724.00	89.17	314.970	4,938.74	615.66	-793.10	995.44	3.50	0.00	-3.50
5,818.00	87.67	314.280	4,941.34	681.66	-859.97	1,089.39	1.76	-1.60	-0.73
5,912.00	89.27	314.300	4,943.85	747.28	-927.23	1,183.34	1.70	1.70	0.02
6,007.00	89.12	314.400	4,945.18	813.68	-995.16	1,278.32	0.19	-0.16	0.11
6,101.00	88.81	314.400	4,946.88	879.44	-1,062.31	1,372.29	0.33	-0.33	0.00
6,195.00	90.82	315.240	4,947.18	945.69	-1,128.98	1,466.28	2.32	2.14	0.89
6,288.00	90.80	315.240	4,945.87	1,011.72	-1,194.46	1,559.27	0.02	-0.02	0.00
6,382.00	90.13	314.700	4,945.10	1,078.15	-1,260.96	1,653.27	0.92	-0.71	-0.57
6,477.00	89.66	316.640	4,945.28	1,146.10	-1,327.34	1,748.26	2.10	-0.49	2.04
6,571.00	91.35	317.230	4,944.45	1,214.77	-1,391.52	1,842.22	1.90	1.80	0.63
6,665.00	90.66	316.460	4,942.80	1,283.33	-1,455.80	1,936.17	1.10	-0.73	-0.82
6,759.00	90.56	317.240	4,941.80	1,351.91	-1,520.09	2,030.13	0.84	-0.11	0.83
6,853.00	90.43	314.770	4,940.99	1,419.53	-1,585.37	2,124.11	2.63	-0.14	-2.63
6,947.00	90.85	315.590	4,939.94	1,486.20	-1,651.62	2,218.10	0.98	0.45	0.87
7,041.00	89.91	315.780	4,939.31	1,553.45	-1,717.29	2,312.10	1.02	-1.00	0.20



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 402H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (401, 402 & 732)	MD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 402H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Mar0724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,135.00	89.13	315.240	4,940.10	1,620.51	-1,783.16	2,406.09	1.01	-0.83	-0.57
7,230.00	88.71	314.810	4,941.89	1,687.70	-1,850.29	2,501.07	0.63	-0.44	-0.45
7,323.00	88.97	315.340	4,943.78	1,753.53	-1,915.96	2,594.05	0.63	0.28	0.57
7,417.00	90.09	312.750	4,944.55	1,818.87	-1,983.51	2,688.02	3.00	1.19	-2.76
7,511.00	89.85	312.560	4,944.60	1,882.57	-2,052.65	2,781.92	0.33	-0.26	-0.20
7,605.00	89.11	310.610	4,945.45	1,944.95	-2,122.95	2,875.71	2.22	-0.79	-2.07
7,700.00	89.22	312.380	4,946.83	2,007.88	-2,194.09	2,970.48	1.87	0.12	1.86
7,794.00	88.33	314.090	4,948.84	2,072.26	-2,262.56	3,064.40	2.05	-0.95	1.82
7,888.00	88.18	313.870	4,951.71	2,137.50	-2,330.17	3,158.33	0.28	-0.16	-0.23
7,982.00	90.15	318.550	4,953.08	2,205.33	-2,395.19	3,252.27	5.40	2.10	4.98
8,075.00	90.15	319.020	4,952.83	2,275.29	-2,456.47	3,345.10	0.51	0.00	0.51
8,170.00	90.06	316.130	4,952.66	2,345.40	-2,520.55	3,440.02	3.04	-0.09	-3.04
8,264.00	89.96	316.010	4,952.64	2,413.10	-2,585.76	3,534.01	0.17	-0.11	-0.13
8,359.00	90.09	315.410	4,952.60	2,481.10	-2,652.10	3,629.01	0.65	0.14	-0.63
8,453.00	89.28	315.170	4,953.12	2,547.91	-2,718.23	3,723.01	0.90	-0.86	-0.26
8,547.00	88.14	313.590	4,955.23	2,613.63	-2,785.39	3,816.97	2.07	-1.21	-1.68
8,641.00	89.31	314.680	4,957.33	2,679.07	-2,852.84	3,910.92	1.70	1.24	1.16
8,735.00	89.71	314.820	4,958.13	2,745.24	-2,919.59	4,004.91	0.45	0.43	0.15
8,827.00	89.40	313.950	4,958.84	2,809.59	-2,985.34	4,096.90	1.00	-0.34	-0.95
8,921.00	89.29	313.090	4,959.92	2,874.32	-3,053.49	4,190.84	0.92	-0.12	-0.91
9,015.00	89.17	315.680	4,961.18	2,940.06	-3,120.66	4,284.81	2.76	-0.13	2.76
9,109.00	89.24	315.480	4,962.49	3,007.19	-3,186.45	4,378.80	0.23	0.07	-0.21
9,203.00	89.20	315.060	4,963.77	3,073.96	-3,252.59	4,472.79	0.45	-0.04	-0.45
9,298.00	88.67	314.280	4,965.53	3,140.74	-3,320.14	4,567.77	0.99	-0.56	-0.82
9,392.00	88.90	315.820	4,967.53	3,207.25	-3,386.54	4,661.75	1.66	0.24	1.64
9,485.00	89.67	317.060	4,968.69	3,274.63	-3,450.62	4,754.72	1.57	0.83	1.33
9,579.00	89.09	316.660	4,969.70	3,343.22	-3,514.89	4,848.68	0.75	-0.62	-0.43
9,673.00	89.02	316.640	4,971.25	3,411.56	-3,579.41	4,942.64	0.08	-0.07	-0.02
9,767.00	88.47	317.040	4,973.31	3,480.11	-3,643.69	5,036.58	0.72	-0.59	0.43
9,861.00	88.55	315.330	4,975.76	3,547.92	-3,708.74	5,130.54	1.82	0.09	-1.82
9,955.00	87.20	313.380	4,979.24	3,613.58	-3,775.90	5,224.45	2.52	-1.44	-2.07
10,049.00	89.37	314.430	4,982.06	3,678.74	-3,843.60	5,318.37	2.56	2.31	1.12
10,142.00	89.18	314.440	4,983.23	3,743.84	-3,910.00	5,411.36	0.20	-0.20	0.01
10,236.00	89.62	314.950	4,984.22	3,809.95	-3,976.81	5,505.35	0.72	0.47	0.54
10,331.00	89.14	315.000	4,985.24	3,877.09	-4,044.01	5,600.34	0.51	-0.51	0.05
10,424.00	90.66	315.040	4,985.41	3,942.87	-4,109.75	5,693.33	1.63	1.63	0.04
10,519.00	88.78	311.870	4,985.87	4,008.20	-4,178.70	5,788.27	3.88	-1.98	-3.34
10,613.00	91.04	311.700	4,986.02	4,070.83	-4,248.78	5,882.08	2.41	2.40	-0.18
10,708.00	91.42	313.050	4,983.98	4,134.84	-4,318.95	5,976.93	1.48	0.40	1.42
10,802.00	90.10	314.220	4,982.73	4,199.70	-4,386.97	6,070.88	1.88	-1.40	1.24
10,896.00	91.52	318.990	4,981.40	4,267.98	-4,451.53	6,164.82	5.29	1.51	5.07
10,990.00	91.46	318.680	4,978.96	4,338.72	-4,513.38	6,258.61	0.34	-0.06	-0.33
11,084.00	91.23	318.230	4,976.75	4,409.05	-4,575.70	6,352.44	0.54	-0.24	-0.48



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 402H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (401, 402 & 732)	MD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 402H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Mar0724_v17

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
11,165.00	90.90	317.920	4,975.25	4,469.30	-4,629.81	6,433.33	0.56	-0.41	-0.38	
Survey @ 11165.00 MD 4975.25 TVD										
11,178.00	90.90	317.920	4,975.04	4,478.95	-4,638.52	6,446.32	0.00	0.00	0.00	
LTP @ 11178.00 MD 4975.04 TVD										
11,187.00	90.90	317.920	4,974.90	4,485.63	-4,644.56	6,455.31	0.00	0.00	0.00	
330 ppd @ 11187.00 MD 4974.90 TVD										
11,231.00	90.90	317.920	4,974.21	4,518.28	-4,674.04	6,499.26	0.00	0.00	0.00	
Survey proj. to 11231 MD 4974.21 TVD 2462 FNL 225 FWL										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
420.00	419.98	-3.03	0.71	MWD surveys	
5,057.00	4,880.00	128.94	-345.10	FTP @ 5057.00 MD 4880.00 TVD	
5,198.00	4,912.54	229.03	-438.53	9 5/8" Casing shoe @ 5198.00 MD 4912.54 TVD	
11,165.00	4,975.25	4,469.30	-4,629.81	Survey @ 11165.00 MD 4975.25 TVD	
11,178.00	4,975.04	4,478.95	-4,638.52	LTP @ 11178.00 MD 4975.04 TVD	
11,187.00	4,974.90	4,485.63	-4,644.56	330 ppd @ 11187.00 MD 4974.90 TVD	
11,231.00	4,974.21	4,518.28	-4,674.04	Survey proj. to 11231 MD 4974.21 TVD 2462 FNL 225 FWL	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 402H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (401, 402 & 732)	MD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 402H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Mar0724_v17

Project	San Juan County, New Mexico NAD83 NM W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	Betonnie Tsosie Wash Unit (401, 402 & 732)				
Site Position:		Northing:	1,892,379.97 usft	Latitude:	36.20067700
From:	Lat/Long	Easting:	2,768,535.62 usft	Longitude:	-107.67930500
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.09 °

Well	Betonnie Tsosie Wash Unit 402H, Surf loc: 1657 FNL 479 FEL Section 28-T23N-R08W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,373.38 usft	Latitude:	36.20065900
	+E/-W	0.00 ft	Easting:	2,768,516.74 usft	Longitude:	-107.67936900
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,864.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2/14/2024	8.48	62.68	49,028.40927139

Design	MWD surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	315.313	

Survey Program	Date	3/16/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
420.00	5,152.00	MWD int (Original Hole)	UNKNOWN	OWSG UNKNOWN	
5,253.00	11,165.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
11,231.00	11,231.00	Projection (Original Hole)	MWD	OWSG MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.000	0.00	0.00	0.00	1,892,373.38	2,768,516.74	36.20065900	-107.67936900
420.00	0.85	166.810	419.98	-3.03	0.71	1,892,370.35	2,768,517.46	36.20065066	-107.67936661
MWD surveys									
515.00	1.01	172.650	514.97	-4.55	0.98	1,892,368.83	2,768,517.72	36.20064650	-107.67936571
610.00	1.05	172.640	609.96	-6.24	1.20	1,892,367.14	2,768,517.94	36.20064184	-107.67936498
705.00	1.04	170.960	704.94	-7.96	1.44	1,892,365.43	2,768,518.19	36.20063713	-107.67936415
800.00	1.38	161.270	799.92	-9.89	1.95	1,892,363.49	2,768,518.69	36.20063182	-107.67936246
894.00	0.19	85.420	893.91	-10.95	2.47	1,892,362.43	2,768,519.21	36.20062890	-107.67936071
989.00	0.07	208.740	988.91	-10.99	2.60	1,892,362.39	2,768,519.34	36.20062880	-107.67936027
1,084.00	2.39	216.940	1,083.88	-12.62	1.38	1,892,360.76	2,768,518.12	36.20062431	-107.67936441



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 402H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Site:	Bettonnie Tsosie Wash Unit (401, 402 & 732)	MD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Well:	Bettonnie Tsosie Wash Unit 402H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Mar0724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,175.00	4.89	220.920	1,174.69	-17.07	-2.30	1,892,356.31	2,768,514.44	36.20061211	-107.67937691
1,269.00	4.67	215.300	1,268.36	-23.22	-7.14	1,892,350.16	2,768,509.60	36.20059523	-107.67939333
1,361.00	4.89	211.920	1,360.04	-29.61	-11.38	1,892,343.78	2,768,505.37	36.20057771	-107.67940773
1,451.00	4.81	210.960	1,449.72	-36.10	-15.35	1,892,337.28	2,768,501.40	36.20055990	-107.67942122
1,542.00	3.91	208.350	1,540.46	-42.10	-18.78	1,892,331.28	2,768,497.96	36.20054342	-107.67943289
1,632.00	5.64	209.680	1,630.14	-48.65	-22.43	1,892,324.74	2,768,494.31	36.20052546	-107.67944529
1,722.00	5.56	207.640	1,719.71	-56.35	-26.64	1,892,317.03	2,768,490.10	36.20050432	-107.67945961
1,812.00	5.19	202.720	1,809.32	-63.97	-30.24	1,892,309.42	2,768,486.51	36.20048341	-107.67947184
1,902.00	4.81	201.850	1,898.98	-71.22	-33.21	1,892,302.16	2,768,483.53	36.20046349	-107.67948196
1,994.00	4.27	200.200	1,990.69	-78.02	-35.83	1,892,295.36	2,768,480.91	36.20044483	-107.67949087
2,089.00	5.83	216.070	2,085.32	-85.24	-39.89	1,892,288.14	2,768,476.85	36.20042502	-107.67950468
2,183.00	5.82	214.990	2,178.83	-93.00	-45.44	1,892,280.38	2,768,471.31	36.20040371	-107.67952351
2,278.00	6.01	216.820	2,273.33	-100.93	-51.18	1,892,272.45	2,768,465.56	36.20038196	-107.67954302
2,373.00	6.03	206.330	2,367.81	-109.38	-56.38	1,892,264.00	2,768,460.37	36.20035876	-107.67956067
2,468.00	5.83	208.070	2,462.30	-118.11	-60.86	1,892,255.27	2,768,455.89	36.20033480	-107.67957591
2,562.00	5.80	206.130	2,555.81	-126.59	-65.20	1,892,246.79	2,768,451.55	36.20031153	-107.67959066
2,657.00	5.37	205.320	2,650.36	-134.92	-69.21	1,892,238.47	2,768,447.53	36.20028867	-107.67960432
2,752.00	5.22	204.150	2,744.96	-142.88	-72.88	1,892,230.50	2,768,443.86	36.20026682	-107.67961680
2,846.00	4.92	204.250	2,838.59	-150.46	-76.29	1,892,222.93	2,768,440.46	36.20024602	-107.67962838
2,941.00	3.46	188.500	2,933.34	-157.01	-78.38	1,892,216.38	2,768,438.36	36.20022803	-107.67963552
3,035.00	1.56	158.480	3,027.25	-161.00	-78.33	1,892,212.38	2,768,438.41	36.20021705	-107.67963537
3,130.00	0.35	352.110	3,122.24	-161.92	-77.90	1,892,211.47	2,768,438.85	36.20021454	-107.67963390
3,225.00	0.29	18.320	3,217.23	-161.40	-77.86	1,892,211.98	2,768,438.88	36.20021595	-107.67963378
3,320.00	0.18	289.980	3,312.23	-161.12	-77.93	1,892,212.26	2,768,438.82	36.20021672	-107.67963400
3,415.00	0.13	214.170	3,407.23	-161.16	-78.13	1,892,212.22	2,768,438.62	36.20021662	-107.67963468
3,510.00	0.38	191.450	3,502.23	-161.56	-78.25	1,892,211.82	2,768,438.49	36.20021552	-107.67963510
3,604.00	0.72	184.170	3,596.23	-162.45	-78.36	1,892,210.93	2,768,438.39	36.20021307	-107.67963546
3,699.00	0.69	121.550	3,691.22	-163.35	-77.91	1,892,210.03	2,768,438.83	36.20021061	-107.67963396
3,793.00	0.64	118.460	3,785.22	-163.90	-76.97	1,892,209.49	2,768,439.78	36.20020910	-107.67963076
3,888.00	0.69	143.170	3,880.21	-164.61	-76.16	1,892,208.78	2,768,440.59	36.20020715	-107.67962802
3,983.00	0.55	285.170	3,975.21	-164.94	-76.26	1,892,208.44	2,768,440.49	36.20020622	-107.67962835
4,078.00	0.55	247.360	4,070.20	-165.00	-77.12	1,892,208.38	2,768,439.63	36.20020606	-107.67963127
4,173.00	0.64	237.060	4,165.20	-165.46	-77.98	1,892,207.92	2,768,438.76	36.20020479	-107.67963421
4,267.00	0.83	250.820	4,259.19	-165.97	-79.07	1,892,207.41	2,768,437.68	36.20020340	-107.67963789
4,299.00	0.79	245.440	4,291.19	-166.14	-79.49	1,892,207.24	2,768,437.26	36.20020294	-107.67963931
4,330.00	1.61	304.260	4,322.18	-165.99	-80.04	1,892,207.40	2,768,436.70	36.20020337	-107.67964119
4,362.00	4.53	327.510	4,354.13	-164.67	-81.09	1,892,208.72	2,768,435.65	36.20020700	-107.67964474
4,394.00	7.61	329.940	4,385.95	-161.77	-82.83	1,892,211.62	2,768,433.91	36.20021498	-107.67965062
4,425.00	10.48	328.800	4,416.56	-157.58	-85.32	1,892,215.81	2,768,431.42	36.20022650	-107.67965904
4,457.00	13.55	328.110	4,447.86	-151.90	-88.81	1,892,221.48	2,768,427.93	36.20024210	-107.67967083
4,488.00	16.70	327.050	4,477.78	-145.08	-93.15	1,892,228.30	2,768,423.59	36.20026086	-107.67968551
4,520.00	19.49	324.210	4,508.19	-136.89	-98.78	1,892,236.49	2,768,417.97	36.20028338	-107.67970453
4,552.00	22.00	320.550	4,538.12	-127.93	-105.71	1,892,245.45	2,768,411.04	36.20030803	-107.67972798
4,583.00	24.75	318.070	4,566.57	-118.62	-113.74	1,892,254.77	2,768,403.01	36.20033365	-107.67975514
4,614.00	27.80	318.290	4,594.37	-108.39	-122.88	1,892,264.99	2,768,393.86	36.20036178	-107.67978609
4,646.00	30.43	319.230	4,622.32	-96.68	-133.14	1,892,276.70	2,768,383.60	36.20039399	-107.67982080
4,678.00	33.28	319.480	4,649.50	-83.87	-144.14	1,892,289.52	2,768,372.60	36.20042924	-107.67985801
4,710.00	36.26	319.490	4,675.78	-69.99	-156.00	1,892,303.39	2,768,360.75	36.20046740	-107.67989811
4,741.00	39.04	318.570	4,700.32	-55.70	-168.41	1,892,317.68	2,768,348.33	36.20050672	-107.67994012
4,773.00	42.36	318.310	4,724.58	-40.09	-182.26	1,892,333.29	2,768,334.49	36.20054966	-107.67998696
4,804.00	45.81	317.190	4,746.84	-24.13	-196.76	1,892,349.25	2,768,319.99	36.20059356	-107.68003603
4,836.00	49.16	316.100	4,768.47	-6.99	-212.95	1,892,366.39	2,768,303.79	36.20064073	-107.68009083
4,868.00	52.79	316.120	4,788.61	10.92	-230.19	1,892,384.31	2,768,286.56	36.20069001	-107.68014914
4,899.00	55.84	315.540	4,806.69	28.98	-247.73	1,892,402.36	2,768,269.02	36.20073969	-107.68020850
4,931.00	58.62	316.040	4,824.01	48.27	-266.49	1,892,421.65	2,768,250.26	36.20079275	-107.68027198



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 402H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Site:	Bettonnie Tsosie Wash Unit (401, 402 & 732)	MD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Well:	Bettonnie Tsosie Wash Unit 402H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Mar0724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,963.00	60.45	315.920	4,840.24	68.10	-285.65	1,892,441.48	2,768,231.09	36.20084732	-107.68033684
4,994.00	63.18	315.500	4,854.88	87.66	-304.73	1,892,461.04	2,768,212.01	36.20090112	-107.68040140
5,025.00	66.40	315.600	4,868.08	107.68	-324.37	1,892,481.06	2,768,192.37	36.20095620	-107.68046786
5,057.00	69.85	315.860	4,880.00	128.94	-345.10	1,892,502.32	2,768,171.65	36.20101470	-107.68053799
FTP @ 5057.00 MD 4880.00 TVD									
5,089.00	73.27	316.380	4,890.12	150.82	-366.14	1,892,524.20	2,768,150.61	36.20107489	-107.68060918
5,120.00	76.61	317.130	4,898.17	172.62	-386.64	1,892,546.00	2,768,130.10	36.20113488	-107.68067856
5,152.00	80.02	317.440	4,904.65	195.64	-407.89	1,892,569.02	2,768,108.85	36.20119821	-107.68075048
5,198.00	80.25	317.481	4,912.54	229.03	-438.53	1,892,602.42	2,768,078.21	36.20129008	-107.68085415
9 5/8" Casing shoe @ 5198.00 MD 4912.54 TVD									
5,253.00	80.52	317.530	4,921.72	269.02	-475.17	1,892,642.40	2,768,041.58	36.20140007	-107.68097810
5,347.00	88.51	317.420	4,930.70	337.92	-538.36	1,892,711.30	2,767,978.39	36.20158963	-107.68119192
5,441.00	88.53	318.800	4,933.13	407.87	-601.10	1,892,781.25	2,767,915.64	36.20178206	-107.68140421
5,535.00	88.57	316.640	4,935.51	477.39	-664.32	1,892,850.77	2,767,852.43	36.20197331	-107.68161811
5,630.00	89.17	318.260	4,937.38	547.36	-728.54	1,892,920.74	2,767,788.20	36.20216580	-107.68183543
5,724.00	89.17	314.970	4,938.74	615.66	-793.10	1,892,989.04	2,767,723.65	36.20235370	-107.68205387
5,818.00	87.67	314.280	4,941.34	681.66	-859.97	1,893,055.05	2,767,656.78	36.20253530	-107.68228019
5,912.00	89.27	314.300	4,943.85	747.28	-927.23	1,893,120.66	2,767,589.52	36.20271584	-107.68250782
6,007.00	89.12	314.400	4,945.18	813.68	-995.16	1,893,187.06	2,767,521.59	36.20289854	-107.68273770
6,101.00	88.81	314.400	4,946.88	879.44	-1,062.31	1,893,252.82	2,767,454.44	36.20307947	-107.68296496
6,195.00	90.82	315.240	4,947.18	945.69	-1,128.98	1,893,319.07	2,767,387.77	36.20326176	-107.68319060
6,288.00	90.80	315.240	4,945.87	1,011.72	-1,194.46	1,893,385.10	2,767,322.29	36.20344342	-107.68341219
6,382.00	90.13	314.700	4,945.10	1,078.15	-1,260.96	1,893,451.53	2,767,255.79	36.20362620	-107.68363725
6,477.00	89.66	316.640	4,945.28	1,146.10	-1,327.34	1,893,519.48	2,767,189.41	36.20381315	-107.68386189
6,571.00	91.35	317.230	4,944.45	1,214.77	-1,391.52	1,893,588.15	2,767,125.23	36.20400206	-107.68407908
6,665.00	90.66	316.460	4,942.80	1,283.33	-1,455.80	1,893,656.72	2,767,060.95	36.20419068	-107.68429661
6,759.00	90.56	317.240	4,941.80	1,351.91	-1,520.09	1,893,725.29	2,766,996.66	36.20437933	-107.68451415
6,853.00	90.43	314.770	4,940.99	1,419.53	-1,585.37	1,893,792.91	2,766,931.38	36.20456535	-107.68473508
6,947.00	90.85	315.590	4,939.94	1,486.20	-1,651.62	1,893,859.58	2,766,865.12	36.20474878	-107.68495931
7,041.00	89.91	315.780	4,939.31	1,553.45	-1,717.29	1,893,926.83	2,766,799.46	36.20493382	-107.68518154
7,135.00	89.13	315.240	4,940.10	1,620.51	-1,783.16	1,893,993.89	2,766,733.59	36.20511829	-107.68540447
7,230.00	88.71	314.810	4,941.89	1,687.70	-1,850.29	1,894,061.08	2,766,666.45	36.20530316	-107.68563168
7,323.00	88.97	315.340	4,943.78	1,753.53	-1,915.96	1,894,126.91	2,766,600.79	36.20548428	-107.68585390
7,417.00	90.09	312.750	4,944.55	1,818.87	-1,983.51	1,894,192.25	2,766,533.23	36.20566406	-107.68608256
7,511.00	89.85	312.560	4,944.60	1,882.57	-2,052.65	1,894,255.95	2,766,464.10	36.20583932	-107.68631656
7,605.00	89.11	310.610	4,945.45	1,944.95	-2,122.95	1,894,318.33	2,766,393.80	36.20601099	-107.68655454
7,700.00	89.22	312.380	4,946.83	2,007.88	-2,194.09	1,894,381.26	2,766,322.65	36.20618417	-107.68679538
7,794.00	88.33	314.090	4,948.84	2,072.26	-2,262.56	1,894,445.64	2,766,254.19	36.20636129	-107.68702712
7,888.00	88.18	313.870	4,951.71	2,137.50	-2,330.17	1,894,510.88	2,766,186.58	36.20654080	-107.68725596
7,982.00	90.15	318.550	4,953.08	2,205.33	-2,395.19	1,894,578.71	2,766,121.56	36.20672740	-107.68747601
8,075.00	90.15	319.020	4,952.83	2,275.29	-2,456.47	1,894,648.67	2,766,060.28	36.20691983	-107.68768336
8,170.00	90.06	316.130	4,952.66	2,345.40	-2,520.55	1,894,718.78	2,765,996.20	36.20711271	-107.68790022
8,264.00	89.96	316.010	4,952.64	2,413.10	-2,585.76	1,894,786.48	2,765,930.99	36.20729895	-107.68812093
8,359.00	90.09	315.410	4,952.60	2,481.10	-2,652.10	1,894,854.48	2,765,864.65	36.20748603	-107.68834545
8,453.00	89.28	315.170	4,953.12	2,547.91	-2,718.23	1,894,921.28	2,765,798.52	36.20766982	-107.68856927
8,547.00	88.14	313.590	4,955.23	2,613.63	-2,785.39	1,894,987.01	2,765,731.36	36.20785064	-107.68879660
8,641.00	89.31	314.680	4,957.33	2,679.07	-2,852.84	1,895,052.45	2,765,663.91	36.20803069	-107.68902489
8,735.00	89.71	314.820	4,958.13	2,745.24	-2,919.59	1,895,118.62	2,765,597.16	36.20821275	-107.68925084
8,827.00	89.40	313.950	4,958.84	2,809.59	-2,985.34	1,895,182.97	2,765,531.41	36.20838979	-107.68947337
8,921.00	89.29	313.090	4,959.92	2,874.32	-3,053.49	1,895,247.70	2,765,463.26	36.20856787	-107.68970408
9,015.00	89.17	315.680	4,961.18	2,940.06	-3,120.66	1,895,313.43	2,765,396.09	36.20874873	-107.68993143
9,109.00	89.24	315.480	4,962.49	3,007.19	-3,186.45	1,895,380.57	2,765,330.30	36.20893341	-107.69015409
9,203.00	89.20	315.060	4,963.77	3,073.96	-3,252.59	1,895,447.34	2,765,264.16	36.20911712	-107.69037798
9,298.00	88.67	314.280	4,965.53	3,140.74	-3,320.14	1,895,514.11	2,765,196.61	36.20930082	-107.69060662
9,392.00	88.90	315.820	4,967.53	3,207.25	-3,386.54	1,895,580.62	2,765,130.22	36.20948380	-107.69083134



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 402H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (401, 402 & 732)	MD Reference:	RKB=6864+25 @ 6889.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 402H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	LT_Mar0724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,485.00	89.67	317.060	4,968.69	3,274.63	-3,450.62	1,895,648.01	2,765,066.14	36.20966917	-107.69104823
9,579.00	89.09	316.660	4,969.70	3,343.22	-3,514.89	1,895,716.59	2,765,001.86	36.20985784	-107.69126575
9,673.00	89.02	316.640	4,971.25	3,411.56	-3,579.41	1,895,784.94	2,764,937.35	36.21004585	-107.69148412
9,767.00	88.47	317.040	4,973.31	3,480.11	-3,643.69	1,895,853.49	2,764,873.06	36.21023442	-107.69170169
9,861.00	88.55	315.330	4,975.76	3,547.92	-3,708.74	1,895,921.29	2,764,808.01	36.21042095	-107.69192188
9,955.00	87.20	313.380	4,979.24	3,613.58	-3,775.90	1,895,986.96	2,764,740.85	36.21060161	-107.69214921
10,049.00	89.37	314.430	4,982.06	3,678.74	-3,843.60	1,896,052.11	2,764,673.16	36.21078085	-107.69237835
10,142.00	89.18	314.440	4,983.23	3,743.84	-3,910.00	1,896,117.22	2,764,606.76	36.21095996	-107.69260312
10,236.00	89.62	314.950	4,984.22	3,809.95	-3,976.81	1,896,183.32	2,764,539.94	36.21114184	-107.69282929
10,331.00	89.14	315.000	4,985.24	3,877.09	-4,044.01	1,896,250.47	2,764,472.74	36.21132655	-107.69305676
10,424.00	90.66	315.040	4,985.41	3,942.87	-4,109.75	1,896,316.25	2,764,407.00	36.21150752	-107.69327928
10,519.00	88.78	311.870	4,985.87	4,008.20	-4,178.70	1,896,381.58	2,764,338.05	36.21168725	-107.69351269
10,613.00	91.04	311.700	4,986.02	4,070.83	-4,248.78	1,896,444.21	2,764,267.97	36.21185958	-107.69374996
10,708.00	91.42	313.050	4,983.98	4,134.84	-4,318.95	1,896,508.22	2,764,197.81	36.21203571	-107.69398750
10,802.00	90.10	314.220	4,982.73	4,199.70	-4,386.97	1,896,573.08	2,764,129.78	36.21221414	-107.69421778
10,896.00	91.52	318.990	4,981.40	4,267.98	-4,451.53	1,896,641.35	2,764,065.23	36.21240196	-107.69443628
10,990.00	91.46	318.680	4,978.96	4,338.72	-4,513.38	1,896,712.09	2,764,003.38	36.21259653	-107.69464561
11,084.00	91.23	318.230	4,976.75	4,409.05	-4,575.70	1,896,782.42	2,763,941.05	36.21278999	-107.69485654
11,165.00	90.90	317.920	4,975.25	4,469.30	-4,629.81	1,896,842.68	2,763,886.94	36.21295572	-107.69503968
Survey @ 11165.00 MD 4975.25 TVD									
11,178.00	90.90	317.920	4,975.04	4,478.95	-4,638.52	1,896,852.33	2,763,878.23	36.21298226	-107.69506916
LTP @ 11178.00 MD 4975.04 TVD									
11,187.00	90.90	317.920	4,974.90	4,485.63	-4,644.56	1,896,859.01	2,763,872.20	36.21300063	-107.69508958
330 ppd @ 11187.00 MD 4974.90 TVD									
11,231.00	90.90	317.920	4,974.21	4,518.28	-4,674.04	1,896,891.66	2,763,842.71	36.21309045	-107.69518937
Survey proj. to 11231 MD 4974.21 TVD 2462 FNL 225 FWL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
420.00	419.98	-3.03	0.71	MWD surveys
5,057.00	4,880.00	128.94	-345.10	FTP @ 5057.00 MD 4880.00 TVD
5,198.00	4,912.54	229.03	-438.53	9 5/8" Casing shoe @ 5198.00 MD 4912.54 TVD
11,165.00	4,975.25	4,469.30	-4,629.81	Survey @ 11165.00 MD 4975.25 TVD
11,178.00	4,975.04	4,478.95	-4,638.52	LTP @ 11178.00 MD 4975.04 TVD
11,187.00	4,974.90	4,485.63	-4,644.56	330 ppd @ 11187.00 MD 4974.90 TVD
11,231.00	4,974.21	4,518.28	-4,674.04	Survey proj. to 11231 MD 4974.21 TVD 2462 FNL 225 FWL

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 340302

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 340302
	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 340302

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 340302
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 8/23/2024	6/3/2024