

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 200 Energy Court Farmington, NM 87401		² OGRID Number 371838	
		³ Reason for Filing Code/ Effective Date RT	
⁴ API Number 30-045-38330	⁵ Pool Name Bettonnie Tsosie Wash Unit Mancos Oil		⁶ Pool Code 98175
⁷ Property Code 325179	⁸ Property Name Bettonnie Tsosie Wash Unit		⁹ Well Number 401H

II. ¹⁰ Surface Location

UL or lot no. H	Section 28	Township 23N	Range 08W	Lot Idn	Feet from the 1651'	North/South line North	Feet from the 461'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. D	Section 21	Township 23N	Range 08W	Lot Idn	Feet from the 681'	North/South line North	Feet from the 216'	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	

IV. Well Completion Data

²¹ Spud Date 2/9/2024	²² Ready Date 5/23/2024	²³ TD 12,788' MD 5,014' TVD	²⁴ PBTD 12,756' MD 5,014' TVD	²⁵ Perforations 12,710' – 5,546' MD 5,014' – 4,950' TVD FracSleeve @ 12,734'	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		5,356'	646
6.125"		4.5" 11.6# P110		12,768'	605

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@enduringresources.com		Approval Date: <i>6/3/2024</i>	
Date: 5/2/2024	Phone: 505-716-3297	<i>RT EXPIRES 8/23/2024</i>	

DISTRICT I1625 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) 476-3480 Fax: (505) 476-3482State of New Mexico
Energy, Minerals & Natural Resources DepartmentForm C-102
Revised August 1, 2011

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505Submit one copy to appropriate
District Office☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38330	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 401H
⁷ GRID 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		1651'	NORTH	461'	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
D	21	23N	8W		681'	NORTH	216'	WEST	SAN JUAN

¹² Dedicated Acres PENETRATED SPACING UNIT:
SEC 27: NW/NW (40 AC.); SEC 28: NE/NE (40 AC.); SEC 21: SE/SE, SW/SE, NW/SE, NE/SW, SE/NW, SW/NW & NW/NW (280 AC.) = 360 ACRES

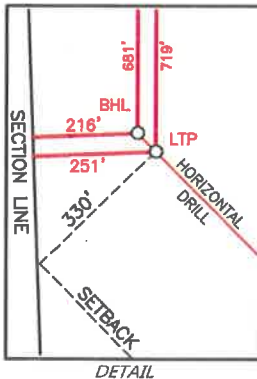
¹³ Joint or Infill¹⁴ Consolidation Code¹⁵ Order No.

R-13930

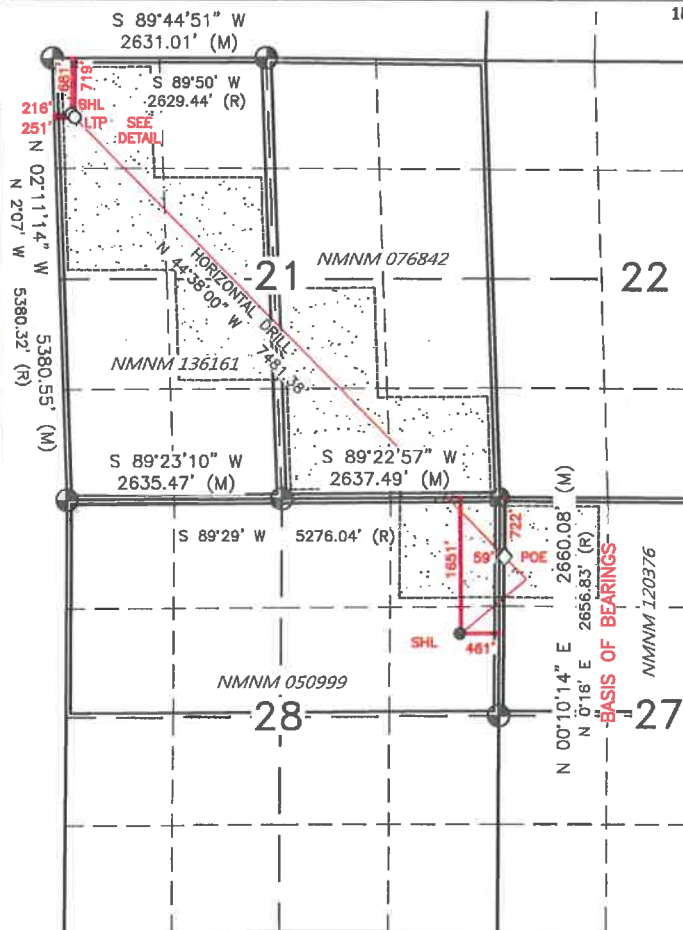
R-13930A

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

18

FND 2 1/2" BC
GLO 1947

- SURFACE LOCATION (SHL)**
1651' FNL 461' FEL
SEC. 28, T23N, R8W
LAT. 36.200677° N (NAD83)
LONG. 107.679305° W (NAD83)
- FIRST TAKE POINT (FTP)**
722' FNL 59' FWL
SEC. 27, T23N, R8W
LAT. 36.203240° N (NAD83)
LONG. 107.677529° W (NAD83)
- LAST TAKE POINT (LTP)**
719' FNL 251' FWL
SEC. 21, T23N, R8W
LAT. 36.217887° N (NAD83)
LONG. 107.695319° W (NAD83)
- BOTTOM HOLE LOCATION (BHL)**
681' FNL 216' FWL
SEC. 21, T23N, R8W
LAT. 36.217991° N (NAD83)
LONG. 107.695445° W (NAD83)



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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

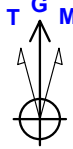
Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number 11393



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



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

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 Easting Latitude Longitude
1892379.96 2768535.61 36.20067700 -107.67930500

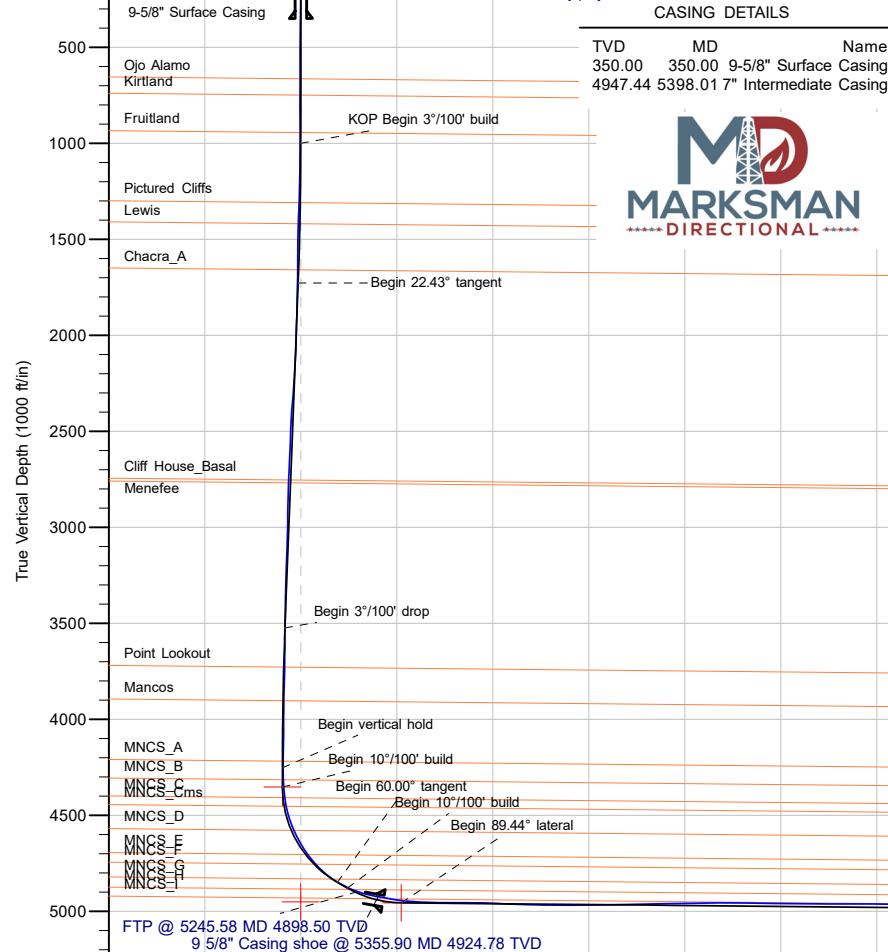
Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.39°

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
420.00	1.42	197.450	419.96	-4.96	-1.56	-2.43	MWD surveys
5245.58	70.48	316.475	4898.50	933.76	522.47	296.45	FTP @ 5245.58 MD 4898.50 TVD
5355.90	79.15	316.961	4924.78	1011.65	449.06	403.45	9 5/8" Casing shoe @ 5355.90 MD 4924.78 TVD
12683.00	88.04	315.580	5010.50	6220.66	-4697.49	7726.07	Survey @ 12683.00 MD 5010.50 TVD
12734.80	88.04	315.580	5012.27	6257.64	-4733.73	7777.84	LTP @ 12734.80 MD 5012.27 TVD
12744.00	88.04	315.580	5012.58	6264.21	-4740.16	7787.03	330 ppd @ 12744.00 MD 5012.58 TVD
12788.00	88.04	315.580	5014.09	6295.61	-4770.94	7831.01	Survey proj. to 12788 MD 5014.09 TVD 679 FNL 215 FWL

CASING DETAILS

TVD	MD	Name
350.00	350.00	9-5/8" Surface Casing
4947.44	5398.01	7" Intermediate Casing



11:12, March 20 2024

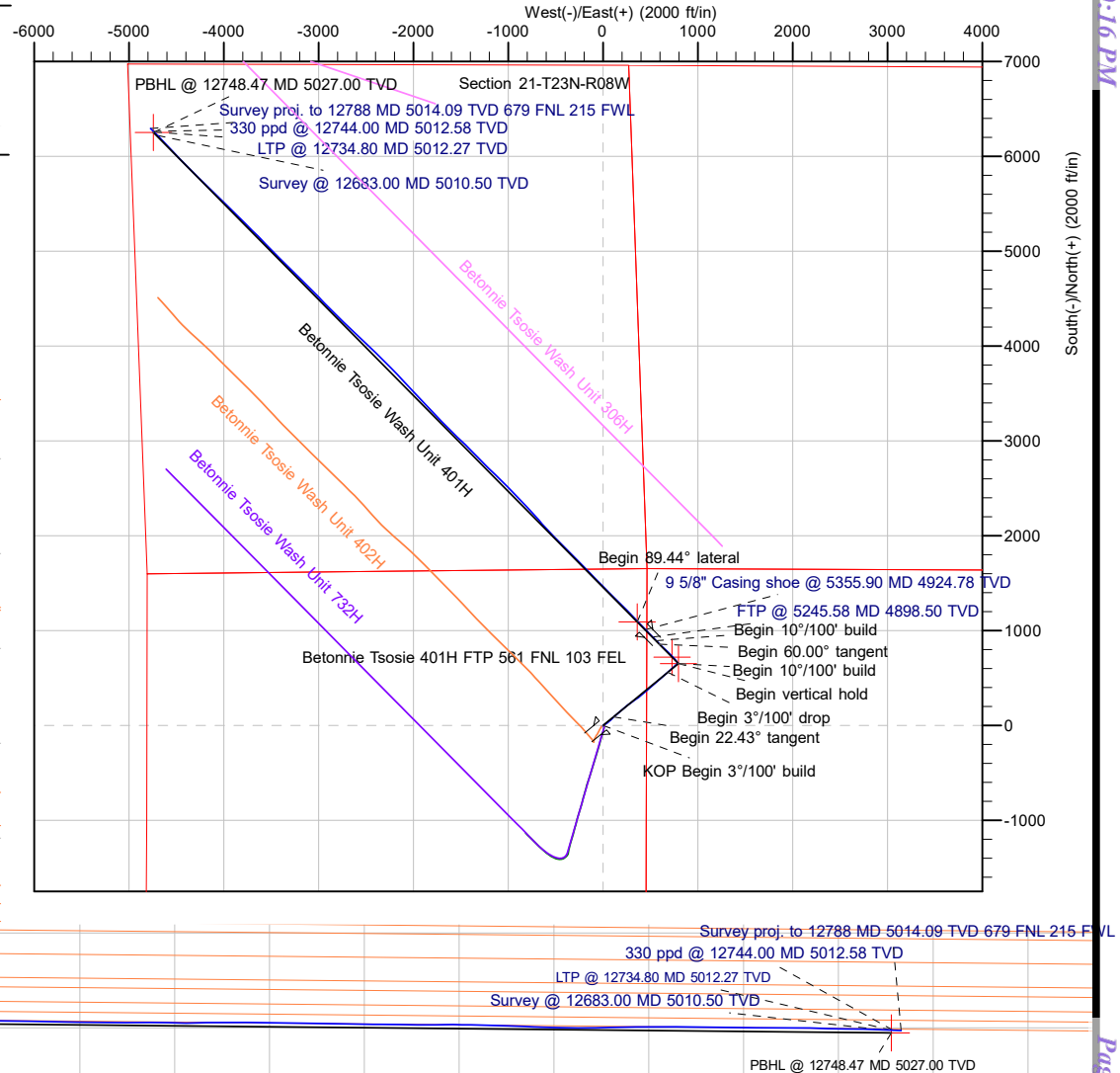
Vertical Section at 315.313° (1000 ft/in)

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	KOP Begin 3°/100' build
2	1000.00	0.00	0.000	1000.00	0.00	0.00	0.00	0.00	0.00	Begin 22.43° tangent
3	1747.58	22.43	50.632	1728.63	91.63	111.67	3.00	50.63	-13.39	Begin 3°/100' drop
4	3690.45	22.43	50.632	3524.56	561.79	684.71	0.00	0.00	-82.10	Begin vertical hold
5	4438.03	0.00	0.000	4253.19	653.42	796.38	3.00	180.00	-95.49	Begin 10°/100' build
6	4538.03	0.00	0.000	4353.19	653.42	796.38	0.00	0.00	-95.49	Begin 60.00° tangent
7	5138.03	60.00	315.313	4849.39	857.09	594.92	10.00	315.31	190.99	Begin 10°/100' build
8	5198.03	60.00	315.313	4879.39	894.04	558.38	0.00	0.00	242.95	Begin 89.44° lateral
9	5492.43	89.44	315.313	4956.12	1093.73	360.85	10.00	0.00	523.84	PBHL @ 12748.47 MD 5027.00 TVD
10	12748.47	89.44	315.313	5027.00	6252.23	-4741.59	0.00	0.00	7779.52	

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Betonnies Tsosie 401H BHL 725 FNL 243 FWL	5027.00	6252.23	-4741.59	1898632.18	2763794.03	36.21787200	-107.69534600
Betonnies Tsosie 401H FTP 561 FNL 103 FEL	4956.12	1093.73	360.85	1893473.69	2768896.46	36.20368000	-107.67807600
Betonnies Tsosie 401H vert	4353.19	653.42	796.38	1893033.38	2769331.99	36.20246850	-107.67660218
Betonnies Tsosie 401H VS=0	4951.00	721.30	729.23	1893101.26	2769264.84	36.20265527	-107.67682941



South(-)/North(+) (2000 ft/in)



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 401H
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 401H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD Surveys	Database:	DT_Mar1724_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 401H, Surf loc: 1651 FNL 461 FEL Section 28-T23N-R08W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,379.97 usft	Latitude:	36.20067700
	+E/-W	0.00 ft	Easting:	2,768,535.62 usft	Longitude:	-107.67930500
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	49,028.42749255

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	3/20/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
420.00	5,309.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
5,379.00	12,683.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
12,788.00	12,788.00	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	1.42	197.450	419.96	-4.96	-1.56	-2.43	0.34	0.34	0.00
MWD surveys									
515.00	0.53	69.590	514.95	-5.93	-1.50	-3.16	1.89	-0.94	-134.59
610.00	0.44	67.580	609.94	-5.64	-0.75	-3.48	0.10	-0.09	-2.12
705.00	0.53	89.580	704.94	-5.50	0.02	-3.93	0.22	0.09	23.16
800.00	0.85	115.190	799.93	-5.80	1.10	-4.90	0.46	0.34	26.96
894.00	0.88	311.500	893.93	-5.62	1.19	-4.83	1.82	0.03	-174.14



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 401H
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 401H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD Surveys	Database:	DT_Mar1724_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	2.67	33.730	988.89	-3.29	1.87	-3.66	2.84	1.88	86.56
1,084.00	5.55	49.840	1,083.64	1.51	6.61	-3.58	3.24	3.03	16.96
1,175.00	7.73	55.710	1,174.02	7.80	15.03	-5.03	2.51	2.40	6.45
1,270.00	9.85	56.170	1,267.90	15.92	27.06	-7.71	2.23	2.23	0.48
1,361.00	12.01	55.030	1,357.25	25.69	41.29	-10.78	2.39	2.37	-1.25
1,451.00	14.44	52.480	1,444.86	37.89	57.87	-13.76	2.78	2.70	-2.83
1,542.00	16.11	46.450	1,532.64	53.50	76.02	-15.42	2.53	1.84	-6.63
1,632.00	17.49	45.990	1,618.80	71.50	94.80	-15.83	1.54	1.53	-0.51
1,723.00	19.76	46.040	1,705.03	91.68	115.71	-16.19	2.49	2.49	0.05
1,812.00	21.77	51.220	1,788.25	112.47	139.41	-18.08	3.06	2.26	5.82
1,902.00	20.79	47.560	1,872.12	133.70	164.21	-20.42	1.83	-1.09	-4.07
1,994.00	22.54	50.200	1,957.62	156.01	189.81	-22.56	2.18	1.90	2.87
2,089.00	21.78	48.030	2,045.60	179.45	216.90	-24.95	1.18	-0.80	-2.28
2,184.00	23.28	53.240	2,133.36	202.47	245.05	-28.38	2.63	1.58	5.48
2,278.00	23.88	54.240	2,219.51	224.71	275.37	-33.89	0.77	0.64	1.06
2,373.00	24.69	54.070	2,306.10	247.59	307.04	-39.89	0.86	0.85	-0.18
2,468.00	24.53	54.580	2,392.47	270.66	339.18	-46.09	0.28	-0.17	0.54
2,563.00	23.60	51.310	2,479.22	293.98	370.09	-51.25	1.71	-0.98	-3.44
2,657.00	23.66	50.380	2,565.33	317.77	399.31	-54.89	0.40	0.06	-0.99
2,752.00	22.71	51.490	2,652.66	341.35	428.34	-58.54	1.10	-1.00	1.17
2,847.00	21.53	52.250	2,740.67	363.44	456.48	-62.62	1.28	-1.24	0.80
2,941.00	22.00	48.360	2,827.97	385.70	483.27	-65.64	1.61	0.50	-4.14
3,036.00	21.10	46.830	2,916.33	409.22	509.04	-67.04	1.12	-0.95	-1.61
3,131.00	22.53	49.690	3,004.53	432.69	535.40	-68.88	1.88	1.51	3.01
3,226.00	20.87	47.430	3,092.79	455.92	561.74	-70.90	1.96	-1.75	-2.38
3,320.00	23.37	51.270	3,179.87	478.91	588.62	-73.45	3.07	2.66	4.09
3,415.00	22.82	50.490	3,267.26	502.42	617.53	-77.07	0.66	-0.58	-0.82
3,510.00	21.11	46.750	3,355.36	525.87	644.21	-79.16	2.32	-1.80	-3.94
3,604.00	22.55	48.620	3,442.62	549.38	670.06	-80.62	1.70	1.53	1.99
3,699.00	21.63	45.930	3,530.65	573.60	696.31	-81.86	1.44	-0.97	-2.83
3,794.00	18.77	47.530	3,619.80	596.11	720.17	-82.64	3.07	-3.01	1.68
3,888.00	15.11	47.150	3,709.70	614.66	740.32	-83.62	3.90	-3.89	-0.40
3,983.00	13.09	53.740	3,801.84	629.44	758.07	-85.59	2.71	-2.13	6.94
4,078.00	9.43	50.020	3,895.00	640.81	772.72	-87.81	3.93	-3.85	-3.92
4,173.00	6.00	53.730	3,989.13	648.75	782.69	-89.18	3.65	-3.61	3.91
4,268.00	3.75	55.210	4,083.78	653.46	789.24	-90.44	2.37	-2.37	1.56
4,362.00	0.78	35.350	4,177.69	655.74	792.14	-90.85	3.22	-3.16	-21.13
4,457.00	0.50	28.710	4,272.69	656.63	792.71	-90.62	0.30	-0.29	-6.99
4,488.00	0.28	40.550	4,303.69	656.80	792.82	-90.58	0.75	-0.71	38.19
4,520.00	1.18	323.740	4,335.68	657.13	792.68	-90.25	3.59	2.81	-240.03
4,552.00	4.28	323.090	4,367.64	658.35	791.77	-88.74	9.69	9.69	-2.03
4,583.00	7.73	325.150	4,398.47	660.99	789.88	-85.54	11.15	11.13	6.65
4,615.00	10.59	324.580	4,430.06	665.15	786.95	-80.51	8.94	8.94	-1.78



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 401H
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 401H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD Surveys	Database:	DT_Mar1724_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)
4,647.00	12.99	323.200	4,461.38	670.43	783.09	-74.05	7.55	7.50	-4.31
4,678.00	15.64	321.300	4,491.42	676.48	778.39	-66.44	8.68	8.55	-6.13
4,710.00	18.44	320.070	4,522.01	683.73	772.44	-57.10	8.82	8.75	-3.84
4,741.00	21.11	317.820	4,551.18	691.63	765.54	-46.64	8.95	8.61	-7.26
4,773.00	23.73	316.690	4,580.76	700.58	757.26	-34.44	8.30	8.19	-3.53
4,805.00	26.37	317.670	4,609.74	710.52	748.05	-20.90	8.35	8.25	3.06
4,836.00	28.88	318.170	4,637.21	721.19	738.42	-6.54	8.13	8.10	1.61
4,868.00	31.64	317.450	4,664.85	733.14	727.59	9.56	8.70	8.63	-2.25
4,900.00	34.59	316.440	4,691.65	745.90	715.65	27.04	9.38	9.22	-3.16
4,931.00	37.68	314.680	4,716.68	758.95	702.85	45.31	10.51	9.97	-5.68
4,963.00	40.78	313.280	4,741.46	772.99	688.28	65.54	10.07	9.69	-4.38
4,994.00	43.89	312.630	4,764.38	787.21	673.00	86.40	10.13	10.03	-2.10
5,026.00	47.10	312.490	4,786.81	802.65	656.19	109.19	10.04	10.03	-0.44
5,057.00	50.48	312.520	4,807.23	818.40	639.00	132.48	10.90	10.90	0.10
5,089.00	54.28	313.010	4,826.76	835.61	620.40	157.80	11.94	11.88	1.53
5,121.00	58.68	314.710	4,844.42	854.10	601.18	184.46	14.44	13.75	5.31
5,152.00	61.47	314.450	4,859.89	872.95	582.04	211.32	9.03	9.00	-0.84
5,184.00	63.89	315.140	4,874.57	892.98	561.87	239.75	7.80	7.56	2.16
5,215.00	67.08	316.140	4,887.43	913.15	542.15	267.95	10.70	10.29	3.23
5,245.58	70.48	316.475	4,898.50	933.76	522.47	296.45	11.17	11.12	1.09
FTP @ 5245.58 MD 4898.50 TVD									
5,247.00	70.64	316.490	4,898.97	934.73	521.54	297.79	11.17	11.13	1.07
5,278.00	74.96	317.120	4,908.14	956.32	501.28	327.38	14.07	13.94	2.03
5,309.00	77.85	316.290	4,915.42	978.24	480.62	357.50	9.68	9.32	-2.68
5,355.90	79.15	316.961	4,924.78	1,011.65	449.06	403.45	3.11	2.77	1.43
9 5/8" Casing shoe @ 5355.90 MD 4924.78 TVD									
5,379.00	79.79	317.290	4,929.00	1,028.29	433.61	426.15	3.11	2.77	1.42
5,442.00	80.44	316.390	4,939.81	1,073.56	391.15	488.19	1.75	1.03	-1.43
5,536.00	86.55	314.800	4,950.46	1,140.25	325.83	581.54	6.71	6.50	-1.69
5,631.00	89.44	315.080	4,953.78	1,207.30	258.63	676.47	3.06	3.04	0.29
5,725.00	89.39	315.140	4,954.74	1,273.90	192.29	770.46	0.08	-0.05	0.06
5,819.00	88.69	314.930	4,956.32	1,340.39	125.88	864.45	0.78	-0.74	-0.22
5,913.00	88.33	314.910	4,958.76	1,406.75	59.34	958.41	0.38	-0.38	-0.02
6,008.00	88.39	315.800	4,961.48	1,474.31	-7.39	1,053.37	0.94	0.06	0.94
6,102.00	87.67	315.190	4,964.71	1,541.31	-73.24	1,147.31	1.00	-0.77	-0.65
6,196.00	89.38	315.720	4,967.13	1,608.28	-139.16	1,241.28	1.90	1.82	0.56
6,289.00	89.48	316.500	4,968.05	1,675.30	-203.63	1,334.26	0.85	0.11	0.84
6,383.00	90.43	315.140	4,968.13	1,742.71	-269.14	1,428.26	1.76	1.01	-1.45
6,478.00	89.58	315.330	4,968.12	1,810.16	-336.03	1,523.26	0.92	-0.89	0.20
6,572.00	91.66	315.000	4,967.10	1,876.81	-402.30	1,617.25	2.24	2.21	-0.35
6,666.00	90.19	314.780	4,965.59	1,943.14	-468.89	1,711.23	1.58	-1.56	-0.23
6,760.00	92.25	317.300	4,963.58	2,010.78	-534.11	1,805.19	3.46	2.19	2.68
6,854.00	91.03	316.680	4,960.89	2,079.48	-598.21	1,899.11	1.46	-1.30	-0.66
6,948.00	91.41	319.460	4,958.89	2,149.39	-661.00	1,992.97	2.98	0.40	2.96



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 401H
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 401H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD Surveys	Database:	DT_Mar1724_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)
7,042.00	89.83	316.730	4,957.87	2,219.34	-723.77	2,086.84	3.36	-1.68	-2.90
7,136.00	89.95	317.350	4,958.05	2,288.13	-787.83	2,180.79	0.67	0.13	0.66
7,231.00	90.37	316.280	4,957.79	2,357.40	-852.84	2,275.76	1.21	0.44	-1.13
7,324.00	89.37	315.860	4,958.00	2,424.37	-917.36	2,368.75	1.17	-1.08	-0.45
7,418.00	89.02	316.680	4,959.32	2,492.29	-982.33	2,462.73	0.95	-0.37	0.87
7,512.00	89.78	314.440	4,960.31	2,559.40	-1,048.14	2,556.71	2.52	0.81	-2.38
7,606.00	89.35	314.080	4,961.02	2,625.00	-1,115.46	2,650.70	0.60	-0.46	-0.38
7,701.00	88.62	313.640	4,962.70	2,690.81	-1,183.95	2,745.65	0.90	-0.77	-0.46
7,795.00	91.05	315.740	4,962.97	2,756.91	-1,250.76	2,839.63	3.42	2.59	2.23
7,889.00	90.21	315.460	4,961.94	2,824.07	-1,316.53	2,933.62	0.94	-0.89	-0.30
7,983.00	89.53	315.060	4,962.15	2,890.84	-1,382.69	3,027.62	0.84	-0.72	-0.43
8,076.00	88.92	315.050	4,963.41	2,956.65	-1,448.38	3,120.61	0.66	-0.66	-0.01
8,171.00	88.00	314.220	4,965.96	3,023.37	-1,515.96	3,215.57	1.30	-0.97	-0.87
8,265.00	89.17	314.470	4,968.28	3,089.06	-1,583.16	3,309.53	1.27	1.24	0.27
8,360.00	89.33	315.020	4,969.53	3,155.93	-1,650.63	3,404.51	0.60	0.17	0.58
8,454.00	89.19	314.890	4,970.74	3,222.34	-1,717.14	3,498.50	0.20	-0.15	-0.14
8,548.00	89.31	315.450	4,971.97	3,288.99	-1,783.41	3,592.49	0.61	0.13	0.60
8,642.00	90.31	317.080	4,972.28	3,356.91	-1,848.39	3,686.48	2.03	1.06	1.73
8,736.00	89.86	317.620	4,972.15	3,426.05	-1,912.08	3,780.42	0.75	-0.48	0.57
8,828.00	89.51	318.600	4,972.65	3,494.53	-1,973.50	3,872.30	1.13	-0.38	1.07
8,922.00	89.17	316.070	4,973.73	3,563.64	-2,037.20	3,966.23	2.72	-0.36	-2.69
9,016.00	88.97	316.200	4,975.26	3,631.41	-2,102.33	4,060.21	0.25	-0.21	0.14
9,110.00	91.42	315.390	4,974.94	3,698.78	-2,167.86	4,154.20	2.75	2.61	-0.86
9,204.00	90.91	316.030	4,973.03	3,766.06	-2,233.49	4,248.17	0.87	-0.54	0.68
9,299.00	89.94	314.810	4,972.32	3,833.72	-2,300.16	4,343.17	1.64	-1.02	-1.28
9,393.00	89.82	315.790	4,972.52	3,900.53	-2,366.28	4,437.17	1.05	-0.13	1.04
9,486.00	88.66	312.610	4,973.75	3,965.35	-2,432.94	4,530.13	3.64	-1.25	-3.42
9,580.00	88.30	313.130	4,976.25	4,029.28	-2,501.81	4,624.01	0.67	-0.38	0.55
9,674.00	89.71	313.190	4,977.88	4,093.57	-2,570.36	4,717.93	1.50	1.50	0.06
9,768.00	89.56	314.060	4,978.48	4,158.42	-2,638.40	4,811.88	0.94	-0.16	0.93
9,862.00	89.11	314.470	4,979.57	4,224.03	-2,705.71	4,905.86	0.65	-0.48	0.44
9,956.00	88.76	314.800	4,981.32	4,290.06	-2,772.59	4,999.84	0.51	-0.37	0.35
10,050.00	89.80	314.840	4,982.50	4,356.31	-2,839.26	5,093.82	1.11	1.11	0.04
10,143.00	89.23	314.920	4,983.29	4,421.93	-2,905.16	5,186.82	0.62	-0.61	0.09
10,237.00	89.60	316.730	4,984.25	4,489.34	-2,970.66	5,280.81	1.97	0.39	1.93
10,332.00	90.39	314.620	4,984.25	4,557.30	-3,037.03	5,375.80	2.37	0.83	-2.22
10,425.00	90.11	315.260	4,983.85	4,622.99	-3,102.86	5,468.79	0.75	-0.30	0.69
10,520.00	88.82	314.330	4,984.74	4,689.92	-3,170.27	5,563.78	1.67	-1.36	-0.98
10,614.00	88.10	313.790	4,987.26	4,755.27	-3,237.80	5,657.73	0.96	-0.77	-0.57
10,709.00	88.66	315.920	4,989.95	4,822.24	-3,305.11	5,752.68	2.32	0.59	2.24
10,803.00	86.86	315.160	4,993.62	4,889.28	-3,370.89	5,846.60	2.08	-1.91	-0.81
10,897.00	88.39	314.670	4,997.52	4,955.59	-3,437.40	5,940.52	1.71	1.63	-0.52
10,991.00	89.15	314.920	4,999.53	5,021.80	-3,504.09	6,034.49	0.85	0.81	0.27



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 401H
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 401H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD Surveys	Database:	DT_Mar1724_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)	
11,085.00	88.89	316.010	5,001.14	5,088.80	-3,570.01	6,128.47	1.19	-0.28	1.16	
11,179.00	91.88	315.410	5,000.51	5,156.07	-3,635.64	6,222.46	3.24	3.18	-0.64	
11,273.00	91.02	314.640	4,998.13	5,222.55	-3,702.05	6,316.43	1.23	-0.91	-0.82	
11,366.00	91.27	314.950	4,996.27	5,288.06	-3,768.04	6,409.40	0.43	0.27	0.33	
11,460.00	90.69	314.840	4,994.67	5,354.40	-3,834.62	6,503.39	0.63	-0.62	-0.12	
11,554.00	89.88	314.850	4,994.20	5,420.68	-3,901.26	6,597.38	0.86	-0.86	0.01	
11,648.00	89.13	314.200	4,995.01	5,486.59	-3,968.27	6,691.37	1.06	-0.80	-0.69	
11,742.00	89.31	313.990	4,996.29	5,552.00	-4,035.78	6,785.34	0.29	0.19	-0.22	
11,836.00	88.54	313.510	4,998.05	5,616.99	-4,103.67	6,879.29	0.97	-0.82	-0.51	
11,930.00	90.05	314.610	4,999.21	5,682.35	-4,171.21	6,973.25	1.99	1.61	1.17	
12,025.00	90.14	314.490	4,999.05	5,748.99	-4,238.91	7,068.24	0.16	0.09	-0.13	
12,119.00	89.76	315.620	4,999.13	5,815.53	-4,305.31	7,162.24	1.27	-0.40	1.20	
12,213.00	89.11	315.460	5,000.06	5,882.61	-4,371.15	7,256.23	0.71	-0.69	-0.17	
12,307.00	88.89	315.920	5,001.70	5,949.87	-4,436.80	7,350.22	0.54	-0.23	0.49	
12,401.00	88.13	315.800	5,004.15	6,017.30	-4,502.24	7,444.18	0.82	-0.81	-0.13	
12,495.00	89.11	316.230	5,006.41	6,084.92	-4,567.50	7,538.15	1.14	1.04	0.46	
12,588.00	88.94	316.580	5,007.99	6,152.26	-4,631.62	7,631.11	0.42	-0.18	0.38	
12,683.00	88.04	315.580	5,010.50	6,220.66	-4,697.49	7,726.07	1.42	-0.95	-1.05	
Survey @ 12683.00 MD 5010.50 TVD										
12,734.80	88.04	315.580	5,012.27	6,257.64	-4,733.73	7,777.84	0.00	0.00	0.00	
LTP @ 12734.80 MD 5012.27 TVD										
12,744.00	88.04	315.580	5,012.58	6,264.21	-4,740.16	7,787.03	0.00	0.00	0.00	
330 ppd @ 12744.00 MD 5012.58 TVD										
12,788.00	88.04	315.580	5,014.09	6,295.61	-4,770.94	7,831.01	0.00	0.00	0.00	
Survey proj. to 12788 MD 5014.09 TVD 679 FNL 215 FWL										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
420.00	419.96	-4.96	-1.56	MWD surveys	
5,245.58	4,898.50	933.76	522.47	FTP @ 5245.58 MD 4898.50 TVD	
5,355.90	4,924.78	1,011.65	449.06	9 5/8" Casing shoe @ 5355.90 MD 4924.78 TVD	
12,683.00	5,010.50	6,220.66	-4,697.49	Survey @ 12683.00 MD 5010.50 TVD	
12,734.80	5,012.27	6,257.64	-4,733.73	LTP @ 12734.80 MD 5012.27 TVD	
12,744.00	5,012.58	6,264.21	-4,740.16	330 ppd @ 12744.00 MD 5012.58 TVD	
12,788.00	5,014.09	6,295.61	-4,770.94	Survey proj. to 12788 MD 5014.09 TVD 679 FNL 215 FWL	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 401H
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 401H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD Surveys	Database:	DT_Mar1724_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 401H, Surf loc: 1651 FNL 461 FEL Section 28-T23N-R08W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,379.97 usft	Latitude:	36.20067700
	+E/-W	0.00 ft	Easting:	2,768,535.62 usft	Longitude:	-107.67930500
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	49,028.42749255

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	3/20/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
420.00	5,309.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
5,379.00	12,683.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
12,788.00	12,788.00	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	1,892,379.97	2,768,535.62	36.20067700	-107.67930500	
420.00	1.42	197.450	419.96	-4.96	-1.56	1,892,375.00	2,768,534.06	36.20066337	-107.67931032	
MWD surveys										
515.00	0.53	69.590	514.95	-5.93	-1.50	1,892,374.03	2,768,534.11	36.20066070	-107.67931013	
610.00	0.44	67.580	609.94	-5.64	-0.75	1,892,374.32	2,768,534.86	36.20066150	-107.67930759	
705.00	0.53	89.580	704.94	-5.50	0.02	1,892,374.47	2,768,535.64	36.20066189	-107.67930495	
800.00	0.85	115.190	799.93	-5.80	1.10	1,892,374.17	2,768,536.72	36.20066107	-107.67930130	
894.00	0.88	311.500	893.93	-5.62	1.19	1,892,374.35	2,768,536.81	36.20066157	-107.67930100	
989.00	2.67	33.730	988.89	-3.29	1.87	1,892,376.67	2,768,537.49	36.20066795	-107.67929867	
1,084.00	5.55	49.840	1,083.64	1.51	6.61	1,892,381.48	2,768,542.23	36.20068113	-107.67928258	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 401H
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 401H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD Surveys	Database:	DT_Mar1724_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	7.73	55.710	1,174.02	7.80	15.03	1,892,387.77	2,768,550.65	36.20069836	-107.67925400
1,270.00	9.85	56.170	1,267.90	15.92	27.06	1,892,395.89	2,768,562.68	36.20072063	-107.67921319
1,361.00	12.01	55.030	1,357.25	25.69	41.29	1,892,405.65	2,768,576.91	36.20074738	-107.67916492
1,451.00	14.44	52.480	1,444.86	37.89	57.87	1,892,417.85	2,768,593.48	36.20078083	-107.67910867
1,542.00	16.11	46.450	1,532.64	53.50	76.02	1,892,433.46	2,768,611.63	36.20082364	-107.67904706
1,632.00	17.49	45.990	1,618.80	71.50	94.80	1,892,451.47	2,768,630.41	36.20087300	-107.67898332
1,723.00	19.76	46.040	1,705.03	91.68	115.71	1,892,471.65	2,768,651.32	36.20092835	-107.67891233
1,812.00	21.77	51.220	1,788.25	112.47	139.41	1,892,492.43	2,768,675.02	36.20098534	-107.67883189
1,902.00	20.79	47.560	1,872.12	133.70	164.21	1,892,513.66	2,768,699.82	36.20104356	-107.67874772
1,994.00	22.54	50.200	1,957.62	156.01	189.81	1,892,535.97	2,768,725.42	36.20110473	-107.67866083
2,089.00	21.78	48.030	2,045.60	179.45	216.90	1,892,559.41	2,768,752.52	36.20116901	-107.67856888
2,184.00	23.28	53.240	2,133.36	202.47	245.05	1,892,582.44	2,768,780.66	36.20123214	-107.67847334
2,278.00	23.88	54.240	2,219.51	224.71	275.37	1,892,604.67	2,768,810.99	36.20129309	-107.67837045
2,373.00	24.69	54.070	2,306.10	247.59	307.04	1,892,627.56	2,768,842.66	36.20135581	-107.67826298
2,468.00	24.53	54.580	2,392.47	270.66	339.18	1,892,650.63	2,768,874.79	36.20141905	-107.67815393
2,563.00	23.60	51.310	2,479.22	293.98	370.09	1,892,673.95	2,768,905.71	36.20148297	-107.67804902
2,657.00	23.66	50.380	2,565.33	317.77	399.31	1,892,697.74	2,768,934.92	36.20154819	-107.67794986
2,752.00	22.71	51.490	2,652.66	341.35	428.34	1,892,721.31	2,768,963.96	36.20161283	-107.67785133
2,847.00	21.53	52.250	2,740.67	363.44	456.48	1,892,743.40	2,768,992.09	36.20167339	-107.67775585
2,941.00	22.00	48.360	2,827.97	385.70	483.27	1,892,765.66	2,769,018.89	36.20173442	-107.67766490
3,036.00	21.10	46.830	2,916.33	409.22	509.04	1,892,789.18	2,769,044.66	36.20179893	-107.67757742
3,131.00	22.53	49.690	3,004.53	432.69	535.40	1,892,812.66	2,769,071.01	36.20186330	-107.67748798
3,226.00	20.87	47.430	3,092.79	455.92	561.74	1,892,835.88	2,769,097.36	36.20192698	-107.67739856
3,320.00	23.37	51.270	3,179.87	478.91	588.62	1,892,858.88	2,769,124.24	36.20199004	-107.67730733
3,415.00	22.82	50.490	3,267.26	502.42	617.53	1,892,882.39	2,769,153.15	36.20205449	-107.67720920
3,510.00	21.11	46.750	3,355.36	525.87	644.21	1,892,905.83	2,769,179.82	36.20211878	-107.67711865
3,604.00	22.55	48.620	3,442.62	549.38	670.06	1,892,929.35	2,769,205.68	36.20218326	-107.67703089
3,699.00	21.63	45.930	3,530.65	573.60	696.31	1,892,953.57	2,769,231.93	36.20224968	-107.67694179
3,794.00	18.77	47.530	3,619.80	596.11	720.17	1,892,976.07	2,769,255.79	36.20231139	-107.67686079
3,888.00	15.11	47.150	3,709.70	614.66	740.32	1,892,994.62	2,769,275.93	36.20236226	-107.67679241
3,983.00	13.09	53.740	3,801.84	629.44	758.07	1,893,009.41	2,769,293.69	36.20240280	-107.67673215
4,078.00	9.43	50.020	3,895.00	640.81	772.72	1,893,020.77	2,769,308.33	36.20243396	-107.67668246
4,173.00	6.00	53.730	3,989.13	648.75	782.69	1,893,028.71	2,769,318.30	36.20245573	-107.67664862
4,268.00	3.75	55.210	4,083.78	653.46	789.24	1,893,033.42	2,769,324.86	36.20246864	-107.67662638
4,362.00	0.78	35.350	4,177.69	655.74	792.14	1,893,035.70	2,769,327.75	36.20247488	-107.67661655
4,457.00	0.50	28.710	4,272.69	656.63	792.71	1,893,036.59	2,769,328.32	36.20247733	-107.67661460
4,488.00	0.28	40.550	4,303.69	656.80	792.82	1,893,036.77	2,769,328.44	36.20247781	-107.67661422
4,520.00	1.18	323.740	4,335.68	657.13	792.68	1,893,037.09	2,769,328.29	36.20247870	-107.67661470
4,552.00	4.28	323.090	4,367.64	658.35	791.77	1,893,038.31	2,769,327.38	36.20248206	-107.67661779
4,583.00	7.73	325.150	4,398.47	660.99	789.88	1,893,040.95	2,769,325.50	36.20248931	-107.67662417
4,615.00	10.59	324.580	4,430.06	665.15	786.95	1,893,045.11	2,769,322.56	36.20250076	-107.67663409
4,647.00	12.99	323.200	4,461.38	670.43	783.09	1,893,050.39	2,769,318.70	36.20251527	-107.67664714
4,678.00	15.64	321.300	4,491.42	676.48	778.39	1,893,056.44	2,769,314.00	36.20253192	-107.67666304
4,710.00	18.44	320.070	4,522.01	683.73	772.44	1,893,063.69	2,769,308.05	36.20255186	-107.67668316
4,741.00	21.11	317.820	4,551.18	691.63	765.54	1,893,071.59	2,769,301.16	36.20257359	-107.67670649
4,773.00	23.73	316.690	4,580.76	700.58	757.26	1,893,080.55	2,769,292.87	36.20259823	-107.67673453
4,805.00	26.37	317.670	4,609.74	710.52	748.05	1,893,090.49	2,769,283.67	36.20262558	-107.67676568
4,836.00	28.88	318.170	4,637.21	721.19	738.42	1,893,101.16	2,769,274.04	36.20265493	-107.67679826
4,868.00	31.64	317.450	4,664.85	733.14	727.59	1,893,113.10	2,769,263.20	36.20268779	-107.67683491
4,900.00	34.59	316.440	4,691.65	745.90	715.65	1,893,125.87	2,769,251.27	36.20272292	-107.67687530
4,931.00	37.68	314.680	4,716.68	758.95	702.85	1,893,138.91	2,769,238.46	36.20275880	-107.67691863
4,963.00	40.78	313.280	4,741.46	772.99	688.28	1,893,152.96	2,769,223.90	36.20279745	-107.67696792
4,994.00	43.89	312.630	4,764.38	787.21	673.00	1,893,167.18	2,769,208.62	36.20283659	-107.67701964
5,026.00	47.10	312.490	4,786.81	802.65	656.19	1,893,182.61	2,769,191.81	36.20287906	-107.67707652
5,057.00	50.48	312.520	4,807.23	818.40	639.00	1,893,198.37	2,769,174.62	36.20292241	-107.67713470



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 401H
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 401H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD Surveys	Database:	DT_Mar1724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,089.00	54.28	313.010	4,826.76	835.61	620.40	1,893,215.57	2,769,156.02	36.20296977	-107.67719766
5,121.00	58.68	314.710	4,844.42	854.10	601.18	1,893,234.06	2,769,136.79	36.20302064	-107.67726272
5,152.00	61.47	314.450	4,859.89	872.95	582.04	1,893,252.92	2,769,117.66	36.20307252	-107.67732748
5,184.00	63.89	315.140	4,874.57	892.98	561.87	1,893,272.95	2,769,097.48	36.20312764	-107.67739574
5,215.00	67.08	316.140	4,887.43	913.15	542.15	1,893,293.11	2,769,077.77	36.20318312	-107.67746246
5,245.58	70.48	316.475	4,898.50	933.76	522.47	1,893,313.72	2,769,058.08	36.20323982	-107.67752908
FTP @ 5245.58 MD 4898.50 TVD									
5,247.00	70.64	316.490	4,898.97	934.73	521.54	1,893,314.69	2,769,057.16	36.20324250	-107.67753220
5,278.00	74.96	317.120	4,908.14	956.32	501.28	1,893,336.28	2,769,036.90	36.20330188	-107.67760076
5,309.00	77.85	316.290	4,915.42	978.24	480.62	1,893,358.21	2,769,016.23	36.20336221	-107.67767068
5,355.90	79.15	316.961	4,924.78	1,011.65	449.06	1,893,391.61	2,768,984.67	36.20345412	-107.67777747
9 5/8" Casing shoe @ 5355.90 MD 4924.78 TVD									
5,379.00	79.79	317.290	4,929.00	1,028.29	433.61	1,893,408.26	2,768,969.22	36.20349991	-107.67782976
5,442.00	80.44	316.390	4,939.81	1,073.56	391.15	1,893,453.53	2,768,926.77	36.20362446	-107.67797341
5,536.00	86.55	314.800	4,950.46	1,140.25	325.83	1,893,520.21	2,768,861.44	36.20380793	-107.67819446
5,631.00	89.44	315.080	4,953.78	1,207.30	258.63	1,893,587.27	2,768,794.25	36.20399244	-107.67842187
5,725.00	89.39	315.140	4,954.74	1,273.90	192.29	1,893,653.86	2,768,727.91	36.20417566	-107.67864636
5,819.00	88.69	314.930	4,956.32	1,340.39	125.88	1,893,720.36	2,768,661.49	36.20435863	-107.67887113
5,913.00	88.33	314.910	4,958.76	1,406.75	59.34	1,893,786.71	2,768,594.95	36.20454120	-107.67909630
6,008.00	88.39	315.800	4,961.48	1,474.31	-7.39	1,893,854.27	2,768,528.22	36.20472709	-107.67932212
6,102.00	87.67	315.190	4,964.71	1,541.31	-73.24	1,893,921.27	2,768,462.37	36.20491143	-107.67954497
6,196.00	89.38	315.720	4,967.13	1,608.28	-139.16	1,893,988.24	2,768,396.46	36.20509568	-107.67976803
6,289.00	89.48	316.500	4,968.05	1,675.30	-203.63	1,894,055.26	2,768,331.99	36.20528007	-107.67998620
6,383.00	90.43	315.140	4,968.13	1,742.71	-269.14	1,894,122.67	2,768,266.48	36.20546553	-107.68020789
6,478.00	89.58	315.330	4,968.12	1,810.16	-336.03	1,894,190.12	2,768,199.58	36.20565111	-107.68043428
6,572.00	91.66	315.000	4,967.10	1,876.81	-402.30	1,894,256.77	2,768,133.31	36.20583450	-107.68065855
6,666.00	90.19	314.780	4,965.59	1,943.14	-468.89	1,894,323.10	2,768,066.73	36.20601700	-107.68088390
6,760.00	92.25	317.300	4,963.58	2,010.78	-534.11	1,894,390.74	2,768,001.50	36.20620309	-107.68110464
6,854.00	91.03	316.680	4,960.89	2,079.48	-598.21	1,894,459.44	2,767,937.41	36.20639211	-107.68132152
6,948.00	91.41	319.460	4,958.89	2,149.39	-661.00	1,894,529.35	2,767,874.62	36.20658442	-107.68153399
7,042.00	89.83	316.730	4,957.87	2,219.34	-723.77	1,894,599.30	2,767,811.85	36.20677684	-107.68174639
7,136.00	89.95	317.350	4,958.05	2,288.13	-787.83	1,894,668.09	2,767,747.79	36.20696609	-107.68196317
7,231.00	90.37	316.280	4,957.79	2,357.40	-852.84	1,894,737.36	2,767,682.78	36.20715666	-107.68218317
7,324.00	89.37	315.860	4,958.00	2,424.37	-917.36	1,894,804.33	2,767,618.26	36.20734092	-107.68240152
7,418.00	89.02	316.680	4,959.32	2,492.29	-982.33	1,894,872.25	2,767,553.28	36.20752777	-107.68262140
7,512.00	89.78	314.440	4,960.31	2,559.40	-1,048.14	1,894,939.36	2,767,487.48	36.20771240	-107.68284411
7,606.00	89.35	314.080	4,961.02	2,625.00	-1,115.46	1,895,004.96	2,767,420.16	36.20789290	-107.68307196
7,701.00	88.62	313.640	4,962.70	2,690.81	-1,183.95	1,895,070.77	2,767,351.67	36.20807399	-107.68330376
7,795.00	91.05	315.740	4,962.97	2,756.91	-1,250.76	1,895,136.87	2,767,284.85	36.20825585	-107.68352991
7,889.00	90.21	315.460	4,961.94	2,824.07	-1,316.53	1,895,204.03	2,767,219.09	36.20844061	-107.68375248
7,983.00	89.53	315.060	4,962.15	2,890.84	-1,382.69	1,895,270.80	2,767,152.93	36.20862431	-107.68397641
8,076.00	88.92	315.050	4,963.41	2,956.65	-1,448.38	1,895,336.61	2,767,087.23	36.20880540	-107.68419875
8,171.00	88.00	314.220	4,965.96	3,023.37	-1,515.96	1,895,403.33	2,767,019.66	36.20898897	-107.68442746
8,265.00	89.17	314.470	4,968.28	3,089.06	-1,583.16	1,895,469.02	2,766,952.46	36.20916969	-107.68465492
8,360.00	89.33	315.020	4,969.53	3,155.93	-1,650.63	1,895,535.89	2,766,884.99	36.20935367	-107.68488327
8,454.00	89.19	314.890	4,970.74	3,222.34	-1,717.14	1,895,602.30	2,766,818.48	36.20953638	-107.68510840
8,548.00	89.31	315.450	4,971.97	3,288.99	-1,783.41	1,895,668.95	2,766,752.21	36.20971978	-107.68533268
8,642.00	90.31	317.080	4,972.28	3,356.91	-1,848.39	1,895,736.87	2,766,687.23	36.20990662	-107.68555260
8,736.00	89.86	317.620	4,972.15	3,426.05	-1,912.08	1,895,806.01	2,766,623.54	36.21009681	-107.68576812
8,828.00	89.51	318.600	4,972.65	3,494.53	-1,973.50	1,895,874.49	2,766,562.12	36.21028520	-107.68597600
8,922.00	89.17	316.070	4,973.73	3,563.64	-2,037.20	1,895,943.60	2,766,498.42	36.21047532	-107.68619155
9,016.00	88.97	316.200	4,975.26	3,631.41	-2,102.33	1,896,011.36	2,766,433.29	36.21066174	-107.68641198
9,110.00	91.42	315.390	4,974.94	3,698.78	-2,167.86	1,896,078.74	2,766,367.76	36.21084711	-107.68663379
9,204.00	90.91	316.030	4,973.03	3,766.06	-2,233.49	1,896,146.01	2,766,302.13	36.21103218	-107.68685590
9,299.00	89.94	314.810	4,972.32	3,833.72	-2,300.16	1,896,213.68	2,766,235.46	36.21121833	-107.68708158



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 401H
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 401H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD Surveys	Database:	DT_Mar1724_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,393.00	89.82	315.790	4,972.52	3,900.53	-2,366.28	1,896,280.49	2,766,169.34	36.21140215	-107.68730537
9,486.00	88.66	312.610	4,973.75	3,965.35	-2,432.94	1,896,345.31	2,766,102.68	36.21158049	-107.68753100
9,580.00	88.30	313.130	4,976.25	4,029.28	-2,501.81	1,896,409.24	2,766,033.81	36.21175640	-107.68776412
9,674.00	89.71	313.190	4,977.88	4,093.57	-2,570.36	1,896,473.53	2,765,965.26	36.21193328	-107.68799619
9,768.00	89.56	314.060	4,978.48	4,158.42	-2,638.40	1,896,538.38	2,765,897.22	36.21211172	-107.68822652
9,862.00	89.11	314.470	4,979.57	4,224.03	-2,705.71	1,896,603.99	2,765,829.91	36.21229222	-107.68845436
9,956.00	88.76	314.800	4,981.32	4,290.06	-2,772.59	1,896,670.02	2,765,763.03	36.21247389	-107.68868074
10,050.00	89.80	314.840	4,982.50	4,356.31	-2,839.26	1,896,736.27	2,765,696.36	36.21265616	-107.68890641
10,143.00	89.23	314.920	4,983.29	4,421.93	-2,905.16	1,896,801.89	2,765,630.46	36.21283670	-107.68912946
10,237.00	89.60	316.730	4,984.25	4,489.34	-2,970.66	1,896,869.30	2,765,564.97	36.21302215	-107.68935115
10,332.00	90.39	314.620	4,984.25	4,557.30	-3,037.03	1,896,937.26	2,765,498.59	36.21320910	-107.68957582
10,425.00	90.11	315.260	4,983.85	4,622.99	-3,102.86	1,897,002.95	2,765,432.76	36.21338983	-107.68979864
10,520.00	88.82	314.330	4,984.74	4,689.92	-3,170.27	1,897,069.88	2,765,365.35	36.21357396	-107.69002682
10,614.00	88.10	313.790	4,987.26	4,755.27	-3,237.80	1,897,135.22	2,765,297.83	36.21375374	-107.69025540
10,709.00	88.66	315.920	4,989.95	4,822.24	-3,305.11	1,897,202.20	2,765,230.51	36.21393800	-107.69048326
10,803.00	86.86	315.160	4,993.62	4,889.28	-3,370.89	1,897,269.23	2,765,164.73	36.21412242	-107.69070593
10,897.00	88.39	314.670	4,997.52	4,955.59	-3,437.40	1,897,335.54	2,765,098.22	36.21430485	-107.69093106
10,991.00	89.15	314.920	4,999.53	5,021.80	-3,504.09	1,897,401.76	2,765,031.53	36.21448702	-107.69115681
11,085.00	88.89	316.010	5,001.14	5,088.80	-3,570.01	1,897,468.75	2,764,965.62	36.21467132	-107.69137993
11,179.00	91.88	315.410	5,000.51	5,156.07	-3,635.64	1,897,536.03	2,764,899.99	36.21485640	-107.69160208
11,273.00	91.02	314.640	4,998.13	5,222.55	-3,702.05	1,897,602.50	2,764,833.57	36.21503928	-107.69182691
11,366.00	91.27	314.950	4,996.27	5,288.06	-3,768.04	1,897,668.02	2,764,767.59	36.21521951	-107.69205027
11,460.00	90.69	314.840	4,994.67	5,354.40	-3,834.62	1,897,734.35	2,764,701.01	36.21540201	-107.69227565
11,554.00	89.88	314.850	4,994.20	5,420.68	-3,901.26	1,897,800.64	2,764,634.36	36.21558437	-107.69250125
11,648.00	89.13	314.200	4,995.01	5,486.59	-3,968.27	1,897,866.55	2,764,567.35	36.21576570	-107.69272811
11,742.00	89.31	313.990	4,996.29	5,552.00	-4,035.78	1,897,931.95	2,764,499.85	36.21594564	-107.69295662
11,836.00	88.54	313.510	4,998.05	5,616.99	-4,103.67	1,897,996.94	2,764,431.96	36.21612444	-107.69318646
11,930.00	90.05	314.610	4,999.21	5,682.35	-4,171.21	1,898,062.30	2,764,364.42	36.21630426	-107.69341510
12,025.00	90.14	314.490	4,999.05	5,748.99	-4,238.91	1,898,128.95	2,764,296.72	36.21648761	-107.69364429
12,119.00	89.76	315.620	4,999.13	5,815.53	-4,305.31	1,898,195.48	2,764,230.31	36.21667063	-107.69386908
12,213.00	89.11	315.460	5,000.06	5,882.61	-4,371.15	1,898,262.57	2,764,164.48	36.21685519	-107.69409194
12,307.00	88.89	315.920	5,001.70	5,949.87	-4,436.80	1,898,329.82	2,764,098.83	36.21704020	-107.69431418
12,401.00	88.13	315.800	5,004.15	6,017.30	-4,502.24	1,898,397.26	2,764,033.38	36.21722571	-107.69453570
12,495.00	89.11	316.230	5,006.41	6,084.92	-4,567.50	1,898,464.87	2,763,968.12	36.21741170	-107.69475661
12,588.00	88.94	316.580	5,007.99	6,152.26	-4,631.62	1,898,532.21	2,763,904.01	36.21759695	-107.69497366
12,683.00	88.04	315.580	5,010.50	6,220.66	-4,697.49	1,898,600.62	2,763,838.13	36.21778512	-107.69519664
Survey @ 12683.00 MD 5010.50 TVD									
12,734.80	88.04	315.580	5,012.27	6,257.64	-4,733.73	1,898,637.59	2,763,801.90	36.21788684	-107.69531931
LTP @ 12734.80 MD 5012.27 TVD									
12,744.00	88.04	315.580	5,012.58	6,264.21	-4,740.16	1,898,644.16	2,763,795.46	36.21790491	-107.69534109
330 ppd @ 12744.00 MD 5012.58 TVD									
12,788.00	88.04	315.580	5,014.09	6,295.61	-4,770.94	1,898,675.57	2,763,764.69	36.21799131	-107.69544528
Survey proj. to 12788 MD 5014.09 TVD 679 FNL 215 FWL									



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 401H
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 401H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD Surveys	Database:	DT_Mar1724_v17

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
420.00	419.96	-4.96	-1.56	MWD surveys
5,245.58	4,898.50	933.76	522.47	FTP @ 5245.58 MD 4898.50 TVD
5,355.90	4,924.78	1,011.65	449.06	9 5/8" Casing shoe @ 5355.90 MD 4924.78 TVD
12,683.00	5,010.50	6,220.66	-4,697.49	Survey @ 12683.00 MD 5010.50 TVD
12,734.80	5,012.27	6,257.64	-4,733.73	LTP @ 12734.80 MD 5012.27 TVD
12,744.00	5,012.58	6,264.21	-4,740.16	330 ppd @ 12744.00 MD 5012.58 TVD
12,788.00	5,014.09	6,295.61	-4,770.94	Survey proj. to 12788 MD 5014.09 TVD 679 FNL 215 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 340296

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 340296
	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 340296

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 340296
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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